

Aasen, J., I. A. Samdal, C. O. Miles, E. Dahl, L. R. Briggs and T. Aune (2005). "Yessotoxins in Norwegian blue mussels (*Mytilus edulis*): uptake from *Protoceratium reticulatum*, metabolism and depuration." *Toxicon* **45**(3): 265-272.

Aasen, J. A. B., A. Espenes, P. Hess and T. Aune (2010). "Sub-lethal dosing of azaspiracid-1 in female NMRI mice." *Toxicon* **56**(8): 1419-1425.

Aasen, J. A. B., A. Espenes, C. O. Miles, I. A. Samdal, P. Hess and T. Aune (2011). "Combined oral toxicity of azaspiracid-1 and yessotoxin in female NMRI mice." *Toxicon* **57**(6): 909-917.

Abadie, E., Z. Amzil, C. Belin, M.-A. Comps, P. Elziere-Papayanni, P. Lassus, C. Le Bec, C. Marcaillou-Le Baut, E. Nezan and R. Poggi (1999). Contamination de l'étang de Thau par Alexandrium tamarense. Episode de novembre à décembre 1998, Ifremer.

Abadie, E., L. Kaci, T. Berteaux, P. Hess, V. Sechet, E. Masseret, J.-L. Rolland and M. Laabir (2015). "Effect of Nitrate, Ammonium and Urea on Growth and Pinnatoxin G Production of *Vulcanodinium rugosum*." *Marine Drugs* **13**(9): 5642-5656.

Abadie, E., A. Muguet, T. Berteaux, N. Chomerat, P. Hess, E. Masseret and M. Laabir (2016). A study of *Vulcanodinium rugosum* (dinoflagellate producer of pinnatoxins) developing in the Mediterranean lagoon of Ingril. ICHA2016 - The 17th International Conference on Harmful Algae. 09–14 October 2016, Brazil.

Abadie, E., A. Muguet, T. Berteaux, N. Chomerat, P. Hess, E. Roque D'Orbcastel, E. Masseret and M. Laabir (2016). "Toxin and Growth Responses of the Neurotoxic Dinoflagellate *Vulcanodinium rugosum* to Varying Temperature and Salinity." *Toxins* **8**(5).

Abbas, T., G. W. Kajjumba, M. Ejjada, S. U. Masrura, E. J. Marti, E. Khan and T. L. Jones-Lepp (2020). "Recent Advancements in the Removal of Cyanotoxins from Water Using Conventional and Modified Adsorbents-A Contemporary Review." *Water* **12**(10): 26.

Abdalla, S., A. A. Kolahchi, M. Ablain, S. Adusumilli, S. A. Bhowmick, E. Alou-Font, L. Amarouche, O. B. Andersen, H. Antich, L. Aouf, B. Arbic, T. Armitage, S. Arnault, C. Artana, G. Aulicino, N. Ayoub, S. Badulin, S. Baker, C. Banks, L. Bao, S. Barbetta, B. Barcelo-Llull, F. Barlier, S. Basu, P. Bauer-Gottwein, M. Becker, B. Beckley, N. Bellefond, T. Belonenko, M. Benkiran, T. Benkouider, R. Bennartz, J. Benveniste, N. Bercher, M. Berge-Nguyen, J. Bettencourt, F. Blarel, A. Blazquez, D. Blumstein, P. Bonnefond, F. Borde, J. Bouffard, F. Boy, J.-P. Boy, C. Brachet, P. Brasseur, A. Braun, L. Brocca, D. Brockley, L. Brodeau, S. Brown, S. Bruinsma, A. Bulczak, S. Buzzard, M. Cahill, S. Calmant, M. Calzas, S. Camici, M. Cancet, H. Capdeville, C. C. Carabajal, L. Carrere, A. Cazenave, E. P. Chassagnet, P. Chauhan, S. Cherchali, T. Chereskin, C. Cheymol, D. Ciani, P. Cipollini, F. Cirillo, E. Cosme, S. Coss, Y. Cotroneo, D. Cotton, A. Couhert, S. Coutin-Faye, J.-F. Cretaux, F. Cyr, F. D'Ovidio, J. Darrozes, C. David, N. Dayoub, D. de Staerke, X. Deng, S. Desai, J.-D. Desjonquieres, D. Dettmering, A. Di Bella, L. Diaz-Barroso, G. Dibarboire, H. B. Dieng, S. Dinardo, H. Dobslaw, G. Dodet, A. Doglioli, A. Domeneghetti, D. Donahue, S. Dong, C. Donlon, J. Dorandeu, C. Drezen, M. Drinkwater, Y. Du Penhoat, B. Dushaw, A. Egido, S. Erofeeva, P. Escudier, S. Esselborn, P. Exertier, R. Fablet, C. Falco, S. L. Farrell, Y. Faugere, P. Femenias, L. Fenoglio, J. Fernandes, J. Gabriel Fernandez, P. Ferrage, R. Ferrari, L. Fichen, P. Filippucci, S. Flampouris, S. Fleury, M. Fornari, R. Forsberg, F. Frappart, M.-L. Frery, P. Garcia, A. Garcia-Mondejar, J. Gaudelli, L. Gaultier, A. Getirana, F. Gibert, A. Gil, L. Gilbert, S. Gille, L. Giulicchi, J. Gomez-Enri, L. Gomez-Navarro, C. Gommenginger, L. Gourdeau, D. Griffin, A. Groh, A. Guerin, R. Guerrero, T. Guinle, P. Gupta, B. D. Gutknecht, M. Hamon, G. Han, D. Hauser, V. Helm, S. Hendricks, F. Hernandez, A. Hogg, M. Horwath, M. Idzanovic, P. Janssen, E. Jeansou, Y. Jia,

Y. Jia, L. Jiang, J. A. Johannessen, M. Kamachi, S. Karimova, K. Kelly, S. Y. Kim, R. King, C. M. M. Kittel, P. Klein, A. Klos, P. Knudsen, R. Koenig, A. Kostianoy, A. Kouraev, R. Kumar, S. Labroue, L. Selene Lago, J. Lambin, L. Lasson, O. Laurain, R. Laxenaire, C. Lazaro, S. Le Gac, J. Le Sommer, P.-Y. Le Traon, S. Lebedev, F. Leger, B. Legresy, F. Lemoine, L. Lenain, E. Leuliette, M. Levy, J. Lillibridge, J. Liu, W. Llovel, F. Lyard, C. Macintosh, E. M. Varona, C. Manfredi, F. Marin, E. Mason, C. Massari, C. Mavrocordatos, N. Maximenko, M. McMillan, T. Medina, A. Melet, M. Meloni, S. Mertikas, S. Metref, B. Meyssignac, J.-F. Minster, T. Moreau, D. Moreira, Y. Morel, R. Morrow, J. Moyard, S. Mulet, M. Naeije, R. S. Nerem, H. Ngodock, K. Nielsen, J. E. O. Nilsen, F. Nino, C. N. Loddio, C. Nous, E. Obligis, I. Otosaka, M. Otten, B. O. Ozbahceci, R. P. Raj, R. Paiva, G. Paniagua, F. Paolo, A. Paris, A. Pascual, M. Passaro, S. Paul, T. Pavelsky, C. Pearson, T. Penduff, F. Peng, F. Perosanz, N. Picot, F. Piras, V. Poggiali, E. Poirier, S. P. de Leon, S. Prants, C. Prigent, C. Provost, M. I. Pujol, B. Qiu, Y. Quilfen, A. Rami, R. K. Raney, M. Rayna, E. Remy, F. Remy, M. Restano, A. Richardson, D. Richardson, R. Ricker, M. Ricko, E. Rinne, S. K. Rose, V. Rosmorduc, S. Rudenko, S. Ruiz, B. J. Ryan, C. Salaun, A. Sanchez-Roman, L. S. Sorensen, D. Sandwell, M. Saraceno, M. Scagliola, P. Schaeffer, M. G. Scharffenberg, R. Scharroo, A. Schiller, R. Schneider, C. Schwatke, A. Scozzari, E. Ser-Giacomi, F. Seyler, R. Shah, R. Sharma, A. Shaw, A. Shepherd, J. Shriver, C. K. Shum, W. Simons, S. B. Simonsen, T. Slater, W. Smith, S. Soares, M. Sokolovskiy, L. Soudarin, C. Spatar, S. Speich, M. Srinivasan, M. Srokosz, E. Stanev, J. Staneva, N. Steunou, J. Stroeve, B. Su, Y. B. Sulistioadi, D. Swain, A. Sylvestre-Baron, N. Taburet, R. Tailleux, K. Takayama, B. Tapley, A. Tarpanelli, G. Tavernier, L. Testut, P. K. Thakur, P. Thibaut, L. Thompson, J. Tintore, C. Tison, C. Tourain, J. Tournadre, B. Townsend, N. Tran, S. Trilles, M. Tsamados, K.-H. Tseng, C. Ubelmann, B. Uebbing, O. Vergara, J. Verron, T. Vieira, S. Vignudelli, N. V. Shiffer, P. Visser, F. Vivier, D. Volkov, K. von Schuckmann, V. Vuglinskii, P. Vuilleumier, B. Walter, J. Wang, C. Wang, C. Watson, J. Wilkin, J. Willis, H. Wilson, P. Woodworth, K. Yang, F. Yao, R. Zaharia, E. Zakharova, E. D. Zaron, Y. Zhang, Z. Zhao, V. Zinchenko and V. Zlotnicki (2021). "Altimetry for the future: Building on 25 years of progress." Advances In Space Research **68**(2): 319-363.

Abdulrahim, H. K., A. M. Al-Rasheed, A. S. Hassan, A. N. A. Mabrouk, B. Shomar and M. A. Darwish (2017). "Reverse osmosis desalination system and algal blooms Part III: SWRO pretreatment." Desalination and Water Treatment **60**: 11-38.

Acero, J. L., E. Rodriguez and J. Meriluoto (2005). "Kinetics of reactions between chlorine and the cyanobacterial toxins microcystins." Water Research **39**(8): 1628-1638.

Acuna, S., D. Baxa, P. Lehman, F. C. Teh, D. F. Deng and S. Teh (2020). "Determining the Exposure Pathway and Impacts of *Microcystis* on Threadfin Shad, *Dorosoma petenense*, in San Francisco Estuary." Environmental Toxicology and Chemistry **39**(4): 787-798.

Adams, A. L., T. A. Doucette, R. James and C. L. Ryan (2009). "Persistent changes in learning and memory in rats following neonatal treatment with domoic acid." Physiology & Behavior **96**(4-5): 505-512.

Addico, G., J. Hardege, J. Komarek, P. Babica and K. A. A. de Graft-Johnson (2006). "Cyanobacteria species identified in the Weijs and Kpong reservoirs, Ghana, and their implications for drinking water quality with respect to microcystin." African Journal of Marine Science **28**(2): 451-456.

Adema, C. M., L. W. Hillier, C. S. Jones, E. S. Loker, M. Knight, P. Minx, G. Oliveira, N. Raghavan, A. Shedlock, L. R. Do Amaral, H. D. Arican-Goktas, J. G. Assis, E. H. Baba, O. L. Baron, C. J. Bayne, U. Bickham-Wright, K. K. Biggar, M. Blouin, B. C. Bonning, C. Botka, J. M. Bridger, K. M. Buckley, S. K. Buddenborg, R. L. Caldeira, J. Carleton, O. S. Carvalho, M. G. Castillo, I. W. Chalmers, M. Christensen, S. Clifton, C. Cosseau, C. Coustau, R. M. Cripps, Y. Cuesta-Astroz, S. F. Cummins, L. Di

Stephano, N. Dingirard, D. Duval, S. Emrich, C. Feschotte, R. Feyereisen, P. Fitzgerald, C. Fronick, L. Fulton, R. Galinier, S. G. Gava, M. Geusz, K. K. Geyer, G. I. Giraldo-Calderon, M. D. S. Gomes, M. A. Gordy, B. Gourbal, C. Grunau, P. C. Hanington, K. F. Hoffmann, D. Hughes, J. Humphries, D. J. Jackson, L. K. Jannotti-Passos, W. D. J. Jeremias, S. Jobling, B. Kamel, A. Kapusta, S. Kaur, J. M. Koene, A. B. Kohn, D. Lawson, S. P. Lawton, D. Liang, Y. Limpanont, S. Liu, A. E. Lockyer, T. L. Lovato, F. Ludolf, V. Magrini, D. P. McManus, M. Medina, M. Misra, G. Mitta, G. M. Mkoji, M. J. Montague, C. Montelongo, L. L. Moroz, M. C. Munoz-Torres, U. Niazi, L. R. Noble, F. S. Oliveira, F. S. Pais, A. T. Papenfuss, R. Peace, J. J. Pena, E. A. Pila, T. Quelais, B. J. Raney, J. P. Rast, D. Rollinson, I. C. Rosse, B. Rotgans, E. J. Routledge, K. M. Ryan, L. L. S. Scholte, K. B. Storey, M. Swain, J. A. Tennessen, C. Tomlinson, D. L. Trujillo, E. V. Volpi, A. J. Walker, T. Wang, I. Wannaporn, W. C. Warren, X.-J. Wu, T. P. Yoshino, M. Yusuf, S.-M. Zhang, M. Zhao and R. K. Wilson (2017). "Whole genome analysis of a schistosomiasis-transmitting freshwater snail." *Nature Communications* **8**(15451).

Afzal, A., T. Oppenlander, J. R. Bolton and M. G. El-Din (2010). "Anatoxin-a degradation by Advanced Oxidation Processes: Vacuum-UV at 172 nm, photolysis using medium pressure UV and UV/H<sub>2</sub>O<sub>2</sub>." *Water Research* **44**(1): 278-286.

Aguilar, J. L., R. Kulkarni, T. M. Randis, S. Soman, A. Kikuchi, Y. X. Yin and A. J. Ratner (2009). "Phosphatase-Dependent Regulation of Epithelial Mitogen-Activated Protein Kinase Responses to Toxin-Induced Membrane Pores." *Plos One* **4**(11): 6.

Agundez, J. A. P., P. Raux, S. Girard and R. Mongruel (2013). "TECHNOLOGICAL ADAPTATION TO HARMFUL ALGAL BLOOMS: SOCIOECONOMIC CONSEQUENCES FOR THE SHELLFISH FARMING SECTOR IN BOURGNEUF BAY (FRANCE)." *Aquaculture Economics & Management* **17**(4): 341-359.

Ahmad, N., M. A. Alam, R. Ahmad, A. A. Naqvi and F. J. Ahmad (2018). "Preparation and characterization of surface-modified PLGA-polymeric nanoparticles used to target treatment of intestinal cancer." *Artificial Cells Nanomedicine and Biotechnology* **46**(2): 432-446.

Ai, Y. H., S. Lee and J. Lee (2020). "Drinking water treatment residuals from cyanobacteria bloom-affected areas: Investigation of potential impact on agricultural land application." *Science of the Total Environment* **706**: 11.

Ajaz, N., I. U. Khan, I. Khalid, R. U. Khan, H. A. Khan, S. Asghar, S. H. Khalid, Y. Shahzad, A. M. Yousaf, T. Hussain, N. Sabir and A. Ali (2020). "In vitro and toxicological assessment of dexamethasone sodium phosphate loaded pH sensitive Pectin-g-poly(AA)/PVP semi interpenetrating network." *Materials Today Communications* **25**: 10.

Akinpelu, A. A., Z. Z. Chowdhury, S. M. Shibly, A. M. Faisal, I. A. Badruddin, M. M. Rahman, M. Al Amin, S. Sagadevan, O. Akbarzadeh, T. M. Y. Khan, S. Kamangar, K. Khalid, R. Saidur and M. R. Johan (2021). "Adsorption Studies of Volatile Organic Compound (Naphthalene) from Aqueous Effluents: Chemical Activation Process Using Weak Lewis Acid, Equilibrium Kinetics and Isotherm Modelling." *International Journal of Molecular Sciences* **22**(4): 19.

Alfonso, C., N. Rehmann, P. Hess, A. Alfonso, C. B. Wandscheer, M. Abuin, C. Vale, P. Otero, M. R. Vieytes and L. M. Botana (2008). "Evaluation of Various pH and Temperature Conditions on the Stability of Azaspiracids and Their Importance in Preparative Isolation and Toxicological Studies." *Analytical Chemistry* **80**(24): 9672-9680.

Al-Habori, M. (2001). "Macromolecular crowding and its role as intracellular signalling of cell volume regulation." *International Journal of Biochemistry & Cell Biology* **33**(9): 844-864.

Ali, E., M. A. Saand, A. R. Khan, J. M. Shah, S. M. Feng, C. Ming and P. L. Sun (2021). "Genome-wide identification and expression analysis of detoxification efflux carriers (DTX) genes family under abiotic stresses in flax." *Physiologia Plantarum* **171**(4): 483-501.

Allescher, H. D., S. Ahmad, M. Classen and E. E. Daniel (1991). "INTERACTION OF TRIMEBUTINE AND JO-1196 (FEDOTOZINE) WITH OPIOID RECEPTORS IN THE CANINE ILEUM." *Journal of Pharmacology and Experimental Therapeutics* **257**(2): 836-842.

AlMuhammad, J., A. Y. Ozer and A. A. Hincal (1996). "Studies on the formulation and in vitro release of ophthalmic liposomes containing dexamethasone sodium phosphate." *Journal of Microencapsulation* **13**(2): 123-130.

Almuhtaram, H., Y. J. Cui, A. Zamyadi and R. Hofmann (2018). "Cyanotoxins and Cyanobacteria Cell Accumulations in Drinking Water Treatment Plants with a Low Risk of Bloom Formation at the Source." *Toxins* **10**(11): 15.

Al-Rawachy, E., R. P. Giddings and J. M. Tang (2019). "Experimental Demonstration of a Real-Time Digital Filter Multiple Access PON With Low Complexity DSP-Based Interference Cancellation." *Journal of Lightwave Technology* **37**(17): 4315-4329.

Alvarez, G., J. Rengel, M. Araya, F. Alvarez, R. Pino, E. Uribe, P. A. Diaz, A. E. Rossignoli, A. Lopez-Rivera and J. Blanco (2020). "Rapid Domoic Acid Depuration in the Scallop Argoppecten purpuratus and Its Transfer from the Digestive Gland to Other Organs." *Toxins* **12**(11): 16.

Alvarez, G., E. Uribe, J. Regueiro, H. Martin, T. Gajardo, L. Jara and J. Blanco (2015). "Depuration and anatomical distribution of domoic acid in the surf clam Mesodesma donacium." *Toxicon* **102**: 1-7.

Alzieu, C., P. Lassus, P. Maggi, R. Poggi and G. Ravoux (1983). Contamination des coquillages des côtes bretonnes et normandes par une algue unicellulaire toxique (Dinophysis acuminata). Evolution, nature, conséquences.

Amaral, L., D. S. P. Cardoso, B. Sljukic, D. M. F. Santos and C. A. C. Sequeira (2017). "Room Temperature Ionic Liquids as Electrolyte Additives for the HER in Alkaline Media." *Journal of the Electrochemical Society* **164**(4): F427-F432.

Amaral, L., D. S. P. Cardoso, B. Sljukic, D. M. F. Santos and C. A. C. Sequeira (2019). "Electrochemistry of hydrogen evolution in ionic liquids aqueous mixtures." *Materials Research Bulletin* **112**: 407-412.

Amberg, G. C., S. D. Koh, B. A. Perrino, W. J. Hatton and K. M. Sanders (2001). "Regulation of A-type potassium channels in murine colonic myocytes by phosphatase activity." *American Journal of Physiology-Cell Physiology* **281**(6): C2020-C2028.

Amorim, A. and V. Vasconcelos (1999). "Dynamics of microcystins in the mussel *Mytilus galloprovincialis*." *Toxicon* **37**(7): 1041-1052.

Ampiah, R. E., M. Yaqub and W. Lee (2019). "Adsorption of microcystin onto activated carbon: A review." *Membrane and Water Treatment* **10**(6): 405-415.

Amzil, Z., M. Sibat, F. Royer and V. Savar (2008). "First report on azaspiracid and yessotoxin groups detection in French shellfish." Toxicon **52**(1): 39-48.

An, K., P. Lassus, P. Maggi, M. Bardouil and P. Truquet (1992). "Dinoflagellate Cyst Changes and Winter Environmental Conditions in Vilaine Bay, Southern Brittany (France)." Botanica Marina **35**(1): 61-67.

Andersson, M. B., A. J. Ketterman and M. A. Bogoyevitch (1998). "Differential regulation of parallel mitogen-activated protein kinases in cardiac myocytes revealed by phosphatase inhibition." Biochemical and Biophysical Research Communications **251**(1): 328-333.

Andres, J. K., A. T. Yniguez, J. M. Maister, A. D. Turner, D. E. B. Olano, J. Mendoza, L. Salvador-Reyes and R. V. Azanza (2019). "Paralytic Shellfish Toxin Uptake, Assimilation, Depuration, and Transformation in the Southeast Asian Green-Lipped Mussel (*Perna viridis*)."Toxins **11**(8): 13.

Andresen Leitao, M. D. P., P. Lassus, P. Maggi, C. Le Baut, J. Chauvin and P. Truouet (1982). "Phytoplankton des zones myticoles de la baie de Vilaine et intoxication par les coquillages." Revue des Travaux de l'Institut des Pêches Maritimes **46**(3): 233-266.

Andrews, S. C., A. K. Robinson and F. Rodriguez-Quinones (2003). "Bacterial iron homeostasis."Fems Microbiology Reviews **27**(2-3): 215-237.

Angiolillo, A. and F. Panara (1997). "Human liver high molecular weight zinc-dependent acid p-nitrophenylphosphatase. Purification and properties." Biological & Pharmaceutical Bulletin **20**(12): 1235-1239.

Antipenko, A., A. I. Spielman and M. A. Kirchberger (1999). "Kinetic differences in the phospholamban-regulated calcium pump when studied in crude and purified cardiac sarcoplasmic reticulum vesicles." Journal of Membrane Biology **167**(3): 257-265.

Aráoz, R., P. Barnes, V. Séchet, M. Delepierre, S. Zinn-Justin, J. Molgó, A. Zakarian, P. Hess and D. Servent (2020). "Cyclic imine toxins survey in coastal european shellfish samples: Bioaccumulation and mode of action of 28-O-palmitoyl ester of pinnatoxin-G. first report of portimine-A bioaccumulation." Harmful Algae **98**.

Armsby, C. C., A. K. StuartTilley, S. L. Alper and C. Brugnara (1996). "Resistance to osmotic lysis in BXD-31 mouse erythrocytes: Association with upregulated K-Cl cotransport." American Journal of Physiology-Cell Physiology **270**(3): C866-C877.

Armstrong, C. M. (1999). "Distinguishing surface effects of calcium ion from pore-occupancy effects in Na<sup>+</sup> channels." Proceedings of the National Academy of Sciences of the United States of America **96**(7): 4158-4163.

Arosio, P., M. Owczarz, H. Wu, A. Butte and M. Morbidelli (2012). "End-to-End Self-Assembly of RADA 16-I Nanofibrils in Aqueous Solutions." Biophysical Journal **102**(7): 1617-1626.

Arreola, J., S. Spires and T. Begenisich (1993). "NA<sup>+</sup> CHANNELS IN CARDIAC AND NEURONAL CELLS DERIVED FROM A MOUSE EMBRYONAL CARCINOMA CELL-LINE." Journal of Physiology-London **472**: 289-303.

Arrighi, C. D., A. Campana and S. Schorderet-Slatkine (2000). "A role for the MEK-MAPK pathway in okadaic acid-induced meiotic resumption of incompetent growing mouse oocytes." Biology of Reproduction **63**(2): 658-665.

Asakawa, M., R. Beppu, K. Ito, M. Tsubota, H. Takayama and K. Miyazawa (2006). "Accumulation of paralytic shellfish poison (PSP) and biotransformation of its components in oysters *Crassostrea gigas* fed with the toxic dinoflagellate *Alexandrium tamarense*." Journal of the Food Hygienic Society of Japan **47**(1): A28-A32.

Asakawa, M., R. Beppu, M. Tsubota, K. Ito, H. Takayama and K. Miyazawa (2005). "Paralytic shellfish poison (PSP) profiles and toxification of short-necked clams fed with the toxic dinoflagellate *Alexandrium tamarense*." Journal of the Food Hygienic Society of Japan **46**(6): 251-255.

Atanasiu, D., W. T. Saw, J. R. Gallagher, B. P. Hannah, Z. Matsuda, J. C. Whitbeck, G. H. Cohen and R. J. Eisenberg (2013). "Dual Split Protein-Based Fusion Assay Reveals that Mutations to Herpes Simplex Virus (HSV) Glycoprotein gB Alter the Kinetics of Cell-Cell Fusion Induced by HSV Entry Glycoproteins." Journal of Virology **87**(21): 11332-11345.

Atkinson, A. J., O. G. Apul, O. Schneider, S. Garcia-Segura and P. Westerhoff (2019). "Nanobubble Technologies Offer Opportunities To Improve Water Treatment." Accounts of Chemical Research **52**(5): 1196-1205.

Augris, C., F. Cayocca, L. Dreves, G. Veron and G. Piclet (2004). Observations et Avis de l'Ifremer sur la demande de concession du gisement d'amendements calcaires (maërl) des Glénan.

Augris, C., L. Dreves, G. Veron and G. Piclet (2003). Avis de l'Ifremer sur la demande d'élargissement de la zone d'extraction de maërl aux Glénan, Ifremer.

Augris, C., B. Du Gardin, L. Dreves, F. Cayocca, G. Veron and G. Piclet (2003). Avis de l'Ifremer sur la demande de concession de maërl, dite "concession des Glénan".

Aune, T., A. Espenes, J. A. B. Aasen, M. A. Quilliam, P. Hess and S. Larsen (2012). "Study of possible combined toxic effects of azaspiracid-1 and okadaic acid in mice via the oral route." Toxicon **60**(5): 895-906.

Aune, T., S. Larsen, J. A. B. Aasen, N. Rehmann, M. Satake and P. Hess (2007). "Relative toxicity of dinophysistoxin-2 (DTX-2) compared with okadaic acid, based on acute intraperitoneal toxicity in mice." Toxicon **49**(1): 1-7.

Auro, M. E. and W. P. Cochlan (2013). "Nitrogen Utilization and Toxin Production by Two Diatoms of the *Pseudo-nitzschia pseudodelicatissima* Complex: *P. cuspidata* and *P. frysellaiana*." Journal of Phycology **49**(1): 156-169.

Avila, G., I. M. Medina, E. Jimenez, G. Elizondo and C. I. Aguilar (2007). "Transforming growth factor-beta 1 decreases cardiac muscle L-type Ca<sup>2+</sup> current and charge movement by acting on the Ca(v)1.2 mRNA." American Journal of Physiology-Heart and Circulatory Physiology **292**(1): H622-H631.

Avila, G., E. Monjaraz, J. L. Espinosa and G. Cota (2003). "Downregulation of voltage-gated sodium channels by dexamethasone in clonal rat pituitary cells." Neuroscience Letters **339**(1): 21-24.

Ayache, N., F. Herve, N. Lundholm, Z. Amzil and A. M. N. Caruana (2020). "Acclimation of the Marine Diatom Pseudo-nitzschia australis to Different Salinity Conditions: Effects on Growth, Photosynthetic Activity, and Domoic Acid Content(1)." Journal of Phycology **56**(1): 97-109.

Ayari, A., J. Knani and Ieee (2017). Kinematics velocity and Dynamic Modeling of Biped Robot. 4th International Conference on Control, Decision and Information Technologies (CoDIT), Barcelona, SPAIN, Ieee.

Azuma, T., N. Nakada, N. Yamashita and H. Tanaka (2015). "Evaluation of concentrations of pharmaceuticals detected in sewage influents in Japan by using annual shipping and sales data." Chemosphere **138**: 770-776.

Baba, S., W. Dun and P. A. Boyden (2004). "Can PKA activators rescue Na<sup>+</sup> channel function in epicardial border zone cells that survive in the infarcted canine heart?" Cardiovascular Research **64**(2): 260-267.

Back, N., E. Litonius, R. E. Mains and B. A. Eipper (2004). "Fluoride causes reversible dispersal of Golgi cisternae and matrix in neuroendocrine cells." European Journal of Cell Biology **83**(8): 389-402.

Badanoiu, A., M. Georgescu and A. Puri (2003). "The study of 'DSP' binding systems by thermogravimetry and differential thermal analysis." Journal of Thermal Analysis and Calorimetry **74**(1): 65-75.

Baden, D. G., R. Melinek, V. Sechet, V. L. Trainer, D. R. Schultz, K. S. Rein, C. R. Tomas, J. Delgado and L. Hale (1995). "MODIFIED IMMUNOASSAYS FOR POLYETHER TOXINS - IMPLICATIONS OF BIOLOGICAL MATRICES, METABOLIC STATES, AND EPITOPE RECOGNITION." Journal of Aoac International **78**(2): 499-508.

Baer, K., I. Lisinski, M. Gompert, D. Stuhlmann, K. Schmolz, H. W. Klein and H. Al-Hasani (2005). "Activation of a GST-tagged AKT2/PKB beta." Biochimica Et Biophysica Acta-General Subjects **1725**(3): 340-347.

Bailey, K. J., J. E. Gray, R. P. Walker and R. C. Leegood (2007). "Coordinate regulation of phosphoenolpyruvate carboxylase and phosphoenolpyruvate carboxykinase by light and CO<sub>2</sub> during C-4 photosynthesis." Plant Physiology **144**(1): 479-486.

Bajpai, A. and Z. Brahmi (1996). "Regulation of natural killer cell-mediated cytotoxicity by serine threonine phosphatases: Identification of a calyculin A-sensitive serine/threonine kinase." Biochemical Journal **320**: 153-159.

Bajracharya, A., Y. L. Liu and J. J. Lenhart (2019). "The influence of natural organic matter on the adsorption of microcystin-LR by powdered activated carbon." Environmental Science-Water Research & Technology **5**(2): 256-267.

Baker, M., J. R. Howe and J. M. Ritchie (1993). "2 TYPES OF 4-AMINOPYRIDINE-SENSITIVE POTASSIUM CURRENT IN RABBIT SCHWANN-CELLS." Journal of Physiology-London **464**: 321-342.

Baker, M. D. and J. M. Ritchie (1996). "Characteristics of type I and type II K<sup>+</sup> channels in rabbit cultured Schwann cells." Journal of Physiology-London **490**(1): 79-95.

Bakke, M. J. and T. E. Horsberg (2010). "Kinetic properties of saxitoxin in Atlantic salmon (*Salmo salar*) and Atlantic cod (*Gadus morhua*)."Comparative Biochemistry and Physiology C-Toxicology & Pharmacology **152**(4): 444-450.

Baliu-Rodriguez, D., D. Kucheriavaia, D. S. W. Palagama, A. Lad, G. M. O'Neill, J. A. Birbeck, D. J. Kennedy, S. T. Haller, J. A. Westrick and D. Isailovic (2020). "Development and Application of Extraction Methods for LC-MS Quantification of Microcystins in Liver Tissue."Toxins **12**(4): 14.

Balti, R., N. Brodu, J. X. Zhang, Z. Amzil, D. Drouin, V. Sechet and A. Masse (2019). "Pre-purification by membrane filtration of paralytic shellfish toxins from *Alexandrium minutum* dinoflagellate."Separation and Purification Technology **210**: 152-158.

Barancheshme, F. and O. Keen (2019). "Algal toxins in drinking water: UV/Cl<sub>2</sub> and UV/H<sub>2</sub>O<sub>2</sub> advanced oxidation processes as treatment method."Abstracts of Papers of the American Chemical Society **258**: 1.

Barbaro, E., R. Zangrandino, S. Rossi, W. R. L. Cairns, R. Piazza, F. Corami, C. Barbante and A. Gambaro (2013). "Domoic acid at trace levels in lagoon waters: assessment of a method using internal standard quantification."Analytical and Bioanalytical Chemistry **405**(28): 9113-9123.

Barbier, M., Z. Amzil, F. Mondeguer, Y. Baud, M. Soyer-Gobillard and P. Lassus (1999). "Okadaic acid and PP2A cellular immunolocalization in *Prorocentrum lima* (Dinophyceae)."Phycologia **38**(1): 41-46.

Barbieri, E. S., C. D. Medina, N. Vázquez, C. Fiorito, A. Martelli, A. Wigdorovitz, E. Schwindt, B. Morga, T. Renault, V. Parreño and P. J. Barón (2019). "First detection of Ostreid herpesvirus 1 in wild *Crassostrea gigas* in Argentina."Journal Of Invertebrate Pathology **166**.

Barbosa, V., M. Santos, P. Anacleto, A. L. Maulvault, P. Pousao-Ferreira, P. R. Costa and A. Marques (2019). "Paralytic Shellfish Toxins and Ocean Warming: Bioaccumulation and Ecotoxicological Responses in Juvenile Gilthead Seabream (*Sparus aurata*)."Toxins **11**(7): 16.

Bardouil, M., M. Bohec, S. Bougrier, P. Lassus and P. Truquet (1994). Réponse écophysiologique de *Crassostrea gigas* Thunberg à l'introduction d'une proportion variable de dinoflagelles toxiques dans le régime alimentaire.

Bardouil, M., M. Bohec, S. Bougrier, P. Lassus and P. Truquet (1996). "Feeding responses of *Crassostrea gigas* (Thunberg) to inclusion of different proportions of toxic dinoflagellates in their diet."Oceanologica Acta **19**(2): 177-182.

Bardouil, M., M. Bohec, M. Cormerais, S. Bougrier and P. Lassus (1993). "Experimental study of the effects of a toxic microalgal diet on feeding of the oyster *Crassostrea gigas* Thunberg."Journal Of Shellfish Research **12**(2): 417-422.

Bardouil, M., A. Landemaine, C. Marcaillou-Le Baut, W. Medhioub, V. Sechet, M. Sibat, A. Thibaud, P. Truquet, Z. Amzil, P. Lassus, M. Bunel, H. Hegaret, N. Henry, C. Lambert, M. Lassudrie, N. Le Goic and P. Soudant (2012). Effet d'une exposition à *Alexandrium ostenfeldii* sur la réponse alimentaire et la bioaccumulation de spiroles chez *Ruditapes philippinarum* - Résultats 2010 - 2012 : rapport de fin de contrat.

Bareford, L. M., M. A. Phelps, A. B. Foraker and P. W. Swaan (2008). "Intracellular processing of riboflavin in human breast cancer cells." Molecular Pharmaceutics **5**(5): 839-848.

Bargu, S., K. Lefebvre and M. W. Silver (2006). "Effect of dissolved domoic acid on the grazing rate of krill *Euphausia pacifica*." Marine Ecology Progress Series **312**: 169-175.

Barkoh, A., D. G. Smith and G. M. Southard (2010). "PRYMNESIUM PARVUM CONTROL TREATMENTS FOR FISH HATCHERIES." Journal of the American Water Resources Association **46**(1): 161-169.

Baron, F., S. Petit and A. Decarreau (2019). "Experimental evidence of the metastability of ferric smectite." Geochimica Et Cosmochimica Acta **265**: 69-84.

Baron, G. (1938). "Etude du plancton dans le bassin de Marennes." Revue des Travaux de l'Institut des Pêches Maritimes **11**(2): 168-188.

Baron, G. (1960). Avis sur la reconstitution, l'amélioration et l'extension du réseau d'assainissement vanne, commune de Saint-Georges de Didonne.

Baron, J. (1988). Détermination de l'aptitude à l'élevage d'une espèce candidate à l'aquaculture : le pétoncle *Chlamys varia* L.

Baron, J., A. Diter and A. Bodoy (1989). "Triploidy induction in the Black scallop (*Chlamys varia* L.) and its effect on larval growth and survival." Aquaculture **77**(2-3): 103-111.

Baron, R. (1991). Etude de l'extrusion.

Baron, R. (1992). Modélisation du processus d'extrusion de la pulpe de poisson.

Baron, R. (1993). Modélisation du processus de texturation des protéines de poisson par extrusion, Ifremer.

Baron, R. (1995). Modélisation et commande d'un procédé d'extrusion de pulpe de poisson, Université Paris XI Orsay.

Baron, R. (2001). "Some mathematical and numerical investigations used to improve process analysis." Annales Societatis Scientiarum Faeroensis Supplementum **28**: 127-136.

Baron, R. (2003). Platitude et conduite non linéaire : illustration en extrusion et en photobioreacteur, Hermès science publication, Lavoisier.

Baron, R. (2006). "Conservation des produits de la mer par salage, séchage, fumage : technologies et innovations." Revue Générale du Froid & du conditionnement d'air(1068): 36-42.

Baron, R. (2018). Microalgae. public research - focus on Brittany and Pays de la Loire regions. Sea Tech Week 2018 - Bioresources: unlocking and accessing the potential of marine environment. 8-12 October 2018, Brest.

Baron, R. (2019). Micro-organismes marins : des risques et des opportunités pour la qualité et la sécurité de vos produits. ValorialConnection : «Microorganismes et champignons, ... : des alliés pour vos produits alimentaires». 24 janvier 2019, INRA, Nantes.

Baron, R., M. Couedel, C. Joret, P. Garen, P. Truquet, P. Masselin, M. Bardouil and P. Lassus (2006). "Continuous fluorescence recording as a way to improve Pacific oyster (*Crassostrea gigas*) models of paralytic shellfish toxin accumulation." *Aquatic Living Resources* **19**(1): 77-84.

Baron, R., M. Havet, C. Sollicec, D. Pierrat and G. Touchard (2008). "Numerical and experimental study of a continuous electrostatic smoking process." *IEEE Transactions on industry applications* **44**(4): 1052-1058.

Baron, R., F. Leroi, P.-A. Fall, M. Cardinal, J. Cornet, F. Chevalier and M. F. Pilet (2013). Inhibition of *Brochothrix thermosphacta* by *Lactococcus piscium* CNCM I-4031 in cooked/peeled shrimp as a function of salt, temperature and concentration of the bioprotective strain and incidence on the sensory quality. 2nd International Conference on Microbial Diversity : Microbial Interactions in Complex Ecosystems. October 23-25 2013, Torino, Italy.

Baron, R., F. Leroi, P.-A. Fall, M. Cardinal, J. Cornet, F. Chevalier and M. F. Pilet (2013). Modelling the effect of salt, temperature and concentration of a bioprotective strain of *Lactococcus piscium* on growth of *Brochothrix thermosphacta* and on sensory quality of cooked/peeled shrimp. SPOILERS2013 - Microbial Spoilers In Food 2013, 1 - 3 Juillet 2013 à Quimper, France.

Baron, R., V. Maheo, R. Kaas and A. Arhaliass (2017). Support for the establishment of future bio-refining scenarios by integrating existing data : the example of brown macroalgae. ISAP 2017 - 6th Congress of the International Society for Applied Phycology. 18th to 23rd June 2017, Nantes.

Baron, R., M. Mastail, J.-L. Vallet and E. Lukomska (1996). "Texturation par extrusion à froid de la pulpe de poisson." *Sciences Des Aliments* **16**(1): 69-76.

Baron, R., W. Rijba, M. Socol, K. Le Roux, S. Bruzac, C. Donnay-Moreno, J. Cornet, H. Ben Ismail and A. Arhaliass (2016). A comparison of chitin purification performance of an enzymatic process on four crustacean cuticles. OCEANEXT, Interdisciplinary Conference. 8-10 juin 2016, Nantes, France.

Baron, R. and O. Sanquer (2006). Optimisation d'un nouveau procédé de fumage du poisson par précipitation électrostatique des particules de fumée.

Baron, R., M. Socol, A. Arhaliass, S. Bruzac, K. Le Roux, J. R. Del Pino, J.-P. Berge and R. Kaas (2015). "Kinetic study of solid phase demineralization by weak acids in one-step enzymatic bio-refinery of shrimp cuticles." *Process Biochemistry* **50**(12): 2215-2223.

Baron, R., M. Socol, R. Kaas, A. Arhaliass, J. Rodriguez Del Pino, K. Le Roux, C. Donnay-Moreno and J.-P. Berge (2017). "Elements for optimizing a one-step enzymatic bio-refinery process of shrimp cuticles: Focus on enzymatic proteolysis screening." *Biotechnology Reports* **15**: 70-74.

Baron, R., P. Vauchel and A. Arhaliass (2010). Modeling of twin-screw reactive extrusion: application to alginate extraction. 11th IFAC Symposium on Computer Applications in Biotechnology, July 7-9, 2010, Leuven, Belgium.

Baron, R., P. Vauchel, R. Kaas, A. Arhaliass and J. Legrand (2010). "Dynamical modelling of a reactive extrusion process: Focus on residence time distribution in a fully intermeshing co-rotating twin-screw extruder and application to an alginate extraction process." *Chemical Engineering Science* **65**(10): 3313-3321.

Barros, F., L. M. Delgado, D. Delcamino and P. Delapena (1992). "CHARACTERISTICS AND MODULATION BY THYROTROPIN-RELEASING-HORMONE OF AN INWARDLY RECTIFYING K<sup>+</sup> CURRENT IN PATCH-PERFORATED GH3 ANTERIOR-PITUITARY-CELLS." Pflugers Archiv-European Journal of Physiology **422**(1): 31-39.

Barros, M. U. G., A. E. Wilson, J. I. R. Leitao, S. P. Pereira, R. P. Buley, E. G. Fernandez-Figueroa and J. Capelo-Neto (2019). "Environmental factors associated with toxic cyanobacterial blooms across 20 drinking water reservoirs in a semi-arid region of Brazil." Harmful Algae **86**: 128-137.

Bartova, K., K. Hilscherova, P. Babica, B. Marsalek and L. Blaha (2011). "Effects of Microcystin and Complex Cyanobacterial Samples on the Growth and Oxidative Stress Parameters in Green Alga *Pseudokirchneriella subcapitata* and Comparison with the Model Oxidative Stressor-Herbicide Paraquat." Environmental Toxicology **26**(6): 641-648.

Bartschat, D. K. and T. E. Rhodes (1995). "PROTEIN-KINASE-C MODULATES CALCIUM CHANNELS IN ISOLATED PRESYNAPTIC NERVE-TERMINALS OF RAT HIPPOCAMPUS." Journal of Neurochemistry **64**(5): 2064-2072.

Bassila, R., T. Bertet, L. Somaglino, M.-E. Bouhier, H. Glotin, P. Best, V. Baron, C. Noel, P. Cristini, F. Fayet, B. Nicolas and J. I. Mars (2019). ABYSOUND, an end to end system for noise impact measurement of deep sea mining production tools. OCEANS - Marseille Conference, Marseille, FRANCE, JUN 17-20, 2019.

Basti, L., M. Endo, S. Segawa, S. E. Shumway, Y. Tanaka and S. Nagai (2015). "Prevalence and intensity of pathologies induced by the toxic dinoflagellate, *Heterocapsa circularisquama*, in the Mediterranean mussel, *Mytilus galloprovincialis*." Aquatic Toxicology **163**: 37-50.

Battistini, R., V. Listorti, S. Squadrone, S. Pederiva, M. C. Abete, R. Mua, V. Ciccotelli, E. Suffredini, C. Maurella, E. Baioni, M. Orlandi, C. Ercolini and L. Serracca (2021). "Occurrence and persistence of enteric viruses, arsenic and biotoxins in Pacific oysters farmed in an Italian production site." Marine Pollution Bulletin **162**: 8.

Bauder, A. G., A. D. Cembella, V. M. Bricelj and M. A. Quilliam (2001). "Uptake and fate of diarrhetic shellfish poisoning toxins from the dinoflagellate *Prorocentrum lima* in the bay scallop *Argopecten irradians*." Marine Ecology Progress Series **213**: 39-52.

Bauder, A. G., A. D. Cembella and M. A. Quilliam (1995). Dynamics of diarrhetic shellfish toxins from the dinoflagellate, *Prorocentrum lima*, in the Bay Scallop, *Argopecten irradians*. Harmful and Toxic Algal Blooms, Sendai, Japan, IOC of UNESCO.

Baudrimont, M., P. Gonzalez, H. Hegaret, A. Khayati, P. Lassus, A. Legeay, X. de Montaudouin, N. Raymond, P. Soudant and D. Tran (2013). REPAMEP - Réponse des palourdes aux stress environnementaux combinant métaux, efflorescences toxiques et pathogènes - Programme LITEAU Manila clam response to environmental stress combining metals, toxic blooms and pathogens.

Baumgarten, C. M., S. C. Dudley, R. B. Rogart and H. A. Fozzard (1995). "Unitary conductance of Na<sup>+</sup> channel isoforms in cardiac and NB2a neuroblastoma cells." American Journal of Physiology-Cell Physiology **269**(6): C1356-C1363.

Bayley, R., C. T. Ta, C. J. Sherwin and P. J. Renton (2000). Traditional and novel reservoir management techniques to enhance water quality for subsequent potable water treatment. 6th

International Conference of the IAWQ-IWSA Particle-Separation-Specialist-Group, Durban, South Africa, I W a Publishing.

Bechtle, M., A. Butte, G. Storti and M. Morbidelli (2010). "Preparation of macroporous methacrylate-based monoliths for chromatographic applications by the Reactive Gelation Process." *Journal of Chromatography A* **1217**(28): 4675-4681.

Becker, S., E. Prusaksochaczewski, G. Zamponi, A. G. Becksickinger, R. D. Gordon and R. J. French (1992). "ACTION OF DERIVATIVES OF MU-CONOTOXIN-GIIIA ON SODIUM-CHANNELS - SINGLE AMINO-ACID SUBSTITUTIONS IN THE TOXIN SEPARATELY AFFECT ASSOCIATION AND DISSOCIATION RATES." *Biochemistry* **31**(35): 8229-8238.

Becq, F., M. Fanjul, M. Merten, C. Figarella, E. Hollande and M. Gola (1993). "POSSIBLE REGULATION OF CFTR-CHLORIDE CHANNELS BY MEMBRANE-BOUND PHOSPHATASES IN PANCREATIC DUCT CELLS." *Fefs Letters* **327**(3): 337-342.

Begum, N., L. Ragolia and M. Srinivasan (1996). "Effect of tumor necrosis factor-alpha on insulin-stimulated mitogen-activated protein kinase cascade in cultured rat skeletal muscle cells." *European Journal of Biochemistry* **238**(1): 214-220.

Belin, C., B. Berland, E. Erard-Le Denn, P. Gentien, D. Grzebyk, C. Marcaillou Le Baut, P. Lassus and F. Partensky (1991). Le phytoplancton nuisible des côtes de France. De la biologie à la prévention, Ifremer.

Belin, C., J.-P. Berthome and P. Lassus (1989). "Dinoflagellés toxiques et phénomènes d'eauxcolorées sur les côtes françaises : évolution et tendances entre 1975 et 1988." *Hydroécologie Appliquée* **1**: 3-17.

Belin, C., D. Soudant and Z. Amzil (2021). "Three decades of data on phytoplankton and phycotoxins on the French coast: Lessons from REPHY and REPHYTOX." *Harmful algae* **102**: 101733.

Bell, A. W. and G. K. Michalopoulos (2006). "Phenobarbital regulates nuclear expression of HNF-4 alpha in mouse and rat Hepatocytes independent of CAR and PXR." *Hepatology* **44**(1): 186-194.

Ben Haddada, M., D. Movia, A. Prina-Mello and J. Spadavecchia (2020). "Docetaxel gold complex nanoflowers: A chemo-biological evaluation for their use as nanotherapeutics." *Colloids and Surfaces B-Biointerfaces* **194**: 6.

Ben Naila, I., A. Hamza, R. Gdoura, J. Diogene and P. de la Iglesia (2012). "Prevalence and persistence of gymnodimines in clams from the Gulf of Gabes (Tunisia) studied by mouse bioassay and LC-MS/MS." *Harmful Algae* **18**: 56-64.

Bengtsson-Palme, J., M. A. Rosenblad, M. Molin and A. Blomberg (2014). "Metagenomics reveals that detoxification systems are underrepresented in marine bacterial communities." *Bmc Genomics* **15**: 17.

Bennett, C. T. and A. Robertson (2021). "Depuration Kinetics and Growth Dilution of Caribbean Ciguatoxin in the Omnivore Lagodon rhomboides: Implications for Trophic Transfer and Ciguatera Risk." *Toxins* **13**(11): 27.

- Benoufella, F., A. Laplanche, V. Boisdon and M. M. Bourbigot (1994). "ELIMINATION OF MICROCYSTIS CYANOBACTERIA (BLUE-GREEN-ALGAE) BY AN OZOFLOTATION PROCESS - A PILOT-PLANT STUDY." Water Science and Technology **30**(8): 245-257.
- Berdalet, E., L. E. Fleming, R. Gowen, K. Davidson, P. Hess, L. C. Backer, S. K. Moore, P. Hoagland and H. Enevoldsen (2016). "Marine harmful algal blooms, human health and wellbeing: challenges and opportunities in the 21st century." Journal Of The Marine Biological Association Of The United Kingdom **96**(1): 61-91.
- Berenguer, J. A., L. Gonzalez, I. Jimenez, T. M. Legarda, J. B. Olmedo and P. A. Burdaspat (1993). "THE EFFECT OF COMMERCIAL PROCESSING ON THE PARALYTIC SHELLFISH POISON (PSP) CONTENT OF NATURALLY-CONTAMINATED ACANTHOCARDIA-TUBERCULATUM L." Food Additives and Contaminants **10**(2): 217-230.
- Berland, B. and P. Lassus (1997). Efflorescences toxiques des eaux côtières françaises. Ecologie, écophysiologie, toxicologie, Editions Ifremer.
- Berthome, J.-P. and P. Lassus (1984). Inventaire des phénomènes d'eaux colorées et des apparitions de dinoflagelles toxiques sur les côtes françaises en 1984.
- Berthome, J.-P. and P. Lassus (1985). Manifestation et suivi de l'algue toxique Dinophysis Acuminata sur les Côtes Françaises, en 1984.
- Best, C. J. M., L. R. Tanzer, P. C. Phelps, R. L. Merriman, G. G. Boder, B. F. Trump and K. A. Elliget (1999). "H-ras-transformed NRK-52E renal epithelial cells have altered growth, morphology and cytoskeletal structure that correlates with renal cell carcinoma in vivo." In Vitro Cellular & Developmental Biology-Animal **35**(4): 205-214.
- Bhuyan, M. S., B. Y. Majlis, S. H. M. Ali, M. Othman, M. S. Islam and Ieee (2013). Modeling and Finite Element Analysis of a Micro Energy Harvester. International Conference on Multimedia Signal Processing and Communication Technologies (IMPACT), Aligarh, INDIA, Ieee.
- Bialojan, C. and A. Takai (1988). "INHIBITORY EFFECT OF A MARINE-SPONGE TOXIN, OKADAIC ACID, ON PROTEIN PHOSPHATASES - SPECIFICITY AND KINETICS." Biochemical Journal **256**(1): 283-290.
- Bianchini, L. and J. Pouyssegur (1994). "MOLECULAR-STRUCTURE AND REGULATION OF VERTEBRATE NA+/H<sup>+</sup> EXCHANGERS." Journal of Experimental Biology **196**: 337-345.
- Bidigare, R. R., F. R. Buttler, S. J. Christensen, B. Barone, D. M. Karl and S. T. Wilson (2014). "Evaluation of the utility of xanthophyll cycle pigment dynamics for assessing upper ocean mixing processes at Station ALOHA." Journal of Plankton Research **36**(6): 1423-1433.
- Bishayee, A., S. Roy and M. Chatterjee (1999). "Characterization of selective induction and alteration of xenobiotic biotransforming enzymes by vanadium during diethylnitrosamine-induced chemical rat liver carcinogenesis." Oncology Research **11**(1): 41-53.
- Blaghen, M., A. Bouhallaoui, H. Taleb, H. Idrissi, F. Tagmouti, M. Talbi and K. FellatZarrouck (1997). "Okadaic acid and its interaction with sodium, potassium, magnesium and calcium ions: Complex formation and transport across a liquid membrane." Toxicon **35**(6): 843-847.
- Blanco, J. (2018). "Accumulation of Dinophysis Toxins in Bivalve Molluscs." Toxins **10**(11): 27.

Blanco, J., C. P. Acosta, M. B. de la Puente and C. Salgado (2002). "Depuration and anatomical distribution of the amnesic shellfish poisoning (ASP) toxin domoic acid in the king scallop *Pecten maximus*." *Aquatic Toxicology* **60**(1-2): 111-121.

Blanco, J., C. P. Acosta, C. Marino, S. Muniz, H. Martin, A. Morono, J. Correa, F. Arevalo and C. Salgado (2006). "Depuration of domoic acid from different body compartments of the king scallop *Pecten maximus* grown in raft culture and natural bed." *Aquatic Living Resources* **19**(3): 257-265.

Blanco, J., G. Alvarez, J. Rengel, R. Diaz, C. Marino, H. Martin and E. Uribe (2018). "Accumulation and Biotransformation of Dinophysis Toxins by the Surf Clam *Mesodesma donacium*." *Toxins* **10**(8): 13.

Blanco, J., F. Arevalo, J. Correa and A. Morono (2019). "Lipophilic Toxins in Galicia (NW Spain) between 2014 and 2017: Incidence on the Main Molluscan Species and Analysis of the Monitoring Efficiency." *Toxins* **11**(10): 23.

Blanco, J., M. B. de la Puente, F. Arevalo, C. Salgado and A. Morono (2002). "Depuration of mussels (*Mytilus galloprovincialis*) contaminated with domoic acid." *Aquatic Living Resources* **15**(1): 53-60.

Blanco, J., M. L. Fernandez, A. Miguez and A. Morono (1999). "Okadaic acid depuration in the mussel *Mytilus galloprovincialis*: one- and two-compartment models and the effect of environmental conditions." *Marine Ecology Progress Series* **176**: 153-163.

Blanco, J., F. Livramento and I. M. Rangel (2010). "Amnesic shellfish poisoning (ASP) toxins in plankton and molluscs from Luanda Bay, Angola." *Toxicon* **55**(2-3): 541-546.

Blanco, J., C. Marino, H. Martin and C. P. Acosta (2007). "Anatomical distribution of diarrhetic shellfish poisoning (DSP) toxins in the mussel *Mytilus galloprovincialis*." *Toxicon* **50**(8): 1011-1018.

Blanco, J., C. Marino, H. Martin, G. Alvarez and A. E. Rossignoli (2021). "Characterization of the Domoic Acid Uptake Mechanism of the Mussel (*Mytilus galloprovincialis*) Digestive Gland." *Toxins* **13**(7): 11.

Blanco, J., H. Martin and C. Marino (2017). "Reduction of diarrhetic shellfish poisoning (DSP) toxins accumulation in cultured mussels by means of rope clustering and hydrodynamic barriers." *Aquaculture* **479**: 120-124.

Blanco, J., H. Martin, C. Marino and A. E. Rossignoli (2019). "Simple Diffusion as the Mechanism of Okadaic Acid Uptake by the Mussel Digestive Gland." *Toxins* **11**(7): 11.

Blanco, J., H. Martín, C. Mariño and A. E. Rossignoli (2022). "Okadaic Acid Depuration from the Cockle *Cerastoderma edule*." *Toxins* **14**(3): 216.

Blanco, J., A. Mauriz and G. Alvarez (2020). "Distribution of Domoic Acid in the Digestive Gland of the King Scallop *Pecten maximus*." *Toxins* **12**(6): 11.

Blanco, J., A. Morono, F. Arevalo, J. Correa, C. Salgado, A. E. Rossignoli and J. P. Lamas (2021). "Twenty-Five Years of Domoic Acid Monitoring in Galicia (NW Spain): Spatial, Temporal, and Interspecific Variations." *Toxins* **13**(11): 23.

Blanco, J., A. Morono, J. Franco and M. I. Reyero (1997). "PSP detoxification kinetics in the mussel *Mytilus galloprovincialis*. One- and two-compartment models and the effect of some environmental variables." Marine Ecology Progress Series **158**: 165-175.

Blasco, D., M. Levasseur, E. Bonneau, R. Gelinas and T. T. Packard (2003). "Patterns of paralytic shellfish toxicity in the St. Lawrence region in relationship with the abundance and distribution of *Alexandrium tamarense*." Scientia Marina **67**(3): 261-278.

Blom, J. F. and F. Juttner (2005). "High crustacean toxicity of microcystin congeners does not correlate with high protein phosphatase inhibitory activity." Toxicon **46**(4): 465-470.

Blombach, B., J. Buchholz, T. Busche, J. Kalinowski and R. Takors (2013). "Impact of different CO<sub>2</sub> HCO<sub>3</sub>- levels on metabolism and regulation in *Corynebacterium glutamicum*." Journal of Biotechnology **168**(4): 331-340.

Bloomquist, C. J., M. B. Mecham, M. D. Paradzinsky, R. Janusziewicz, S. B. Warner, J. C. Luft, S. J. Mecham, A. Z. Wang and J. M. DeSimone (2018). "Controlling release from 3D printed medical devices using CLIP and drug-loaded liquid resins." Journal of Controlled Release **278**: 9-23.

Boccaccio, A., O. Moran and F. Conti (1998). "Calcium dependent shifts of Na<sup>+</sup> channel activation correlated with the state dependence of calcium-binding to the pore." European Biophysics Journal with Biophysics Letters **27**(6): 558-566.

Boente-Juncal, A., S. Raposo-Garcia, C. Costas, M. C. Louzao, C. Vale and L. M. Botana (2020). "Partial Blockade of Human Voltage-Dependent Sodium Channels by the Marine Toxins Azaspiracids." Chemical Research in Toxicology **33**(10): 2593-2604.

Boerlage, S. and N. Nada (2015). "Algal toxin removal in seawater desalination processes." Desalination and Water Treatment **55**(10): 2575-2593.

Bogan, Y. (2006). Factors affecting the concentration of domoic acid in scallop, Pecten maximus, Letterkenny Institute of Technology.

Bogan, Y. M., K. Bender, A. Hervas, D. J. Kennedy, J. W. Slater and P. Hess (2007). "Spatial variability of domoic acid concentration in king scallops *Pecten maximus* off the southeast coast of Ireland." Harmful Algae **6**(1): 1-14.

Bogan, Y. M., A. L. Harkin, J. Gillespie, D. J. Kennedy, P. Hess and J. W. Slater (2007). "The influence of size on domoic acid concentration in king scallop, *Pecten maximus* (L.)." Harmful Algae **6**(1): 15-28.

Bogan, Y. M., D. Kennedy, A. L. Harkin, J. Gillespie, P. Hess and J. W. Slater (2006). "Comparison of domoic acid concentration in king scallops, *Pecten maximus* from seabed and suspended culture systems." Journal of Shellfish Research **25**(1): 129-135.

Bogan, Y. M., D. J. Kennedy, A. L. Harkin, J. Gillespie, B. J. Vause, B. D. Beukers-Stewart, P. Hess and J. W. Slater (2007). "Variation in domoic acid concentration in king scallop (*Pecten maximus*) from fishing grounds around the Isle of Man." Harmful Algae **6**(1): 81-92.

Bogialli, S., F. N. di Gregorio, L. Lucentini, E. Ferretti, M. Ottaviani, N. Ungaro, P. P. Abis and M. C. de Grazia (2013). "Management of a Toxic Cyanobacterium Bloom (*Planktothrix rubescens*) Affecting an Italian Drinking Water Basin: A Case Study." Environmental Science & Technology **47**(1): 574-583.

Boher, S., G. Piclet, S. Beril-Stien, D. Masson, R. Delonce, E. Biziagos and L. Schwartzbrod (1992). Viral contamination and depuration of oysters under field conditions. 2. Conference Internationale sur la Purification des Coquillages, Rennes (France), 6-8 Apr 1992.

Bohr, A., T. L. Nascimento, N. Harmankaya, J. J. Weisser, Y. Y. Wang, H. Grohganz, T. Rades and K. Lobmann (2019). "Efflux Inhibitor Bicalutamide Increases Oral Bioavailability of the Poorly Soluble Efflux Substrate Docetaxel in Co-Amorphous Anti-Cancer Combination Therapy." Molecules **24**(2): 13.

Borchers, A., S. S. Teuber, C. L. Keen and M. E. Gershwin (2010). "Food Safety." Clinical Reviews in Allergy & Immunology **39**(2): 95-141.

Bosch-Orea, C., J. Sanchis, D. Barcelo and M. Farre (2020). "Ultra-trace determination of domoic acid in the Ebro Delta estuary by SPE-HILIC-HRMS." Analytical Methods **12**(15): 1966-1974.

Botana, L. M., P. Hess, R. Munday, A. Nathalie, S. L. Degrasse, M. Feeley, T. Suzuki, M. Van Den Berg, V. Fattori, E. G. Gamarro, A. Tritscher, R. Nakagawa and I. Karunasagar (2017). "Derivation of toxicity equivalency factors for marine biotoxins associated with Bivalve Molluscs." Trends In Food Science & Technology **59**: 15-24.

Botana, L. M., N. Vilarino, A. Alfonso, C. Vale, C. Louzao, C. T. Elliott, K. Campbell and A. M. Botana (2010). "The problem of toxicity equivalent factors in developing alternative methods to animal bioassays for marine-toxin detection." Trac-Trends in Analytical Chemistry **29**(11): 1316-1325.

Botelho, M. J., F. Marques, R. Freitas, A. Pires, E. Pereira and C. Vale (2020). "Paralytic shellfish toxin profiles in mussel, cockle and razor shell under post-bloom natural conditions: Evidence of higher biotransformation in razor shells and cockles." Marine Environmental Research **154**: 10.

Botelho, M. J., C. Vale, R. V. Grilo and J. G. Ferreira (2012). "Uptake and release of paralytic shellfish toxins by the clam *Ruditapes decussatus* exposed to *Gymnodinium catenatum* and subsequent depuration." Marine Environmental Research **77**: 23-29.

Botelho, M. J., C. Vale, S. Joaquim, S. T. Costa, F. Soares, C. Roque and D. Matias (2018). "Combined effect of temperature and nutritional regime on the elimination of the lipophilic toxin okadaic acid in the naturally contaminated wedge shell *Donax trunculus*." Chemosphere **190**: 166-173.

Bougaran, G., L. Le Dean, E. Lukomska, R. Kaas and R. Baron (2003). "Transient initial phase in continuous culture of *Isochrysis galbana affinis* Tahiti." Aquatic Living Resources **16**(4): 389-394.

Bougrier, S., P. Lassus, M. Bardouil, P. Masselin and P. Truquet (2003). "Paralytic shellfish poison accumulation yields and feeding time activity in the Pacific oyster (*Crassostrea gigas*) and king scallop (*Pecten maximus*)." Aquatic Living Resources **16**(4): 347-352.

Bouloud, A., L. Bourchich, A. Foutlane, M. El Alami, M. El Mghari and S. Benabdellah (2005). Control of algae toxins in the reservoirs used for drinking water in Morocco. 9th International Conference on Environmental Science and Technology, Rhodes Isl, GREECE, Univ Aegean.

Boust, D., A. Hairie, A. Fraizer and Y. Baron (1995). "Analyse et prédition de la dispersion des radioéléments dans l'environnement marin par la méthode de la réponse impulsionnelle." Oceanologica Acta **18**(6): 617-629.

Bouzgarrou, O., R. Baron and S. Sadok (2020). "Determination of the quality of liquid smoked tilapia fillets based on physicochemical analysis." Journal Of Food Measurement And Characterization **14**(2): 978-991.

Box, J., J. Otto, W. Kent and B. T. Higgins (2021). "Investigation of covers and chemical treatment for the suppression of cyanobacteria in water treatment systems." Water and Environment Journal **35**(2): 463-472.

Boyer, G. L., M. C. Watzin, A. D. Shambaugh, M. F. Satchwell, B. H. Rosen and T. Mihuc (2002). The occurrence of cyanobacterial toxins in Lake Champlain. Spring Symposium on Lake Champlain in the New Millennium, Missisquoi Bay Watershed Corp, St Jean, CANADA, Kluwer Academic/Plenum Publ.

Bradley, J. M., D. A. Svistunenko, M. T. Wilson, A. M. Hemmings, G. R. Moore and N. E. Le Brun (2020). "Bacterial iron detoxification at the molecular level." Journal of Biological Chemistry **295**(51): 17602-17623.

Braga, A. C., R. Marcal, A. Marques, S. Guilherme, O. Vilarino, J. M. L. Martins, A. Gago-Martinez, P. R. Costa and M. Pacheco (2021). "Invasive clams (*Ruditapes philippinarum*) are better equipped to deal with harmful algal blooms toxins than native species (*R. decussatus*): evidence of species-specific toxicokinetics and DNA vulnerability." Science of the Total Environment **767**: 12.

Bramucci, A. R., L. Labeeuw, T. J. Mayers, J. A. Saby and R. J. Case (2015). "A Small Volume Bioassay to Assess Bacterial/Phytoplankton Co-culture Using WATER-Pulse-Amplitude-Modulated (WATER-PAM) Fluorometry." Jove-Journal of Visualized Experiments(97): 9.

Brandao, C. C. S. and F. F. Amorim (2010). Removal of the organic contaminants beta-estradiol and saxitoxins (STX, NEO-STX AND dc-STX) by nanofiltration: Bench scale evaluation. Euromembrane Conference, London, ENGLAND, Elsevier Science Bv.

Brandenburg, K. M., S. Wohlrab, U. John, A. Kremp, J. Jerney, B. Krock and D. B. Van de Waal (2018). "Intraspecific trait variation and trade-offs within and across populations of a toxic dinoflagellate." Ecology Letters **21**(10): 1561-1571.

Braulke, T. and G. Mieskes (1992). "ROLE OF PROTEIN PHOSPHATASES IN INSULIN-LIKE GROWTH FACTOR-II (IGF-II)-STIMULATED MANNOSE 6-PHOSPHATE/IGF-II RECEPTOR REDISTRIBUTION." Journal of Biological Chemistry **267**(24): 17347-17353.

Breda-Alves, F., V. D. Fernandes, M. K. Cordeiro-Araujo and M. A. Chia (2021). "The combined effect of clethodim (herbicide) and nitrogen variation on allelopathic interactions between *Microcystis aeruginosa* and *Raphidiopsis raciborskii*." Environmental Science and Pollution Research **28**(9): 11528-11539.

Brehmer, P., W. Ndiaye, A. Mbaye, A. Fricke, P. Hess, K. Mertens, N. Chomerat, I. Ndour, F. Diedhiou, G. Constantin De Magny, A. Sonko, S. Faye and F. Galgani (2021). Découverte de la présence d'une toxine ayant un effet sur la santé humaine, émise par une micro-algue marine sur la presqu'île du Cap-Vert (Sénégal), CSRP-IRD.

Brentano, D. M., E. L. H. Giehl and M. M. Petrucio (2016). "Abiotic variables affect STX concentration in a meso-oligotrophic subtropical coastal lake dominated by *Cylindrospermopsis raciborskii* (Cyanophyceae)." Harmful Algae **56**: 22-28.

Bresnan, E., R. J. Fryer, S. Fraser, N. Smith, L. Stobo, N. Brown and E. Turrell (2017). "The relationship between *Pseudo-nitzschia* (Peragallo) and domoic acid in Scottish shellfish." Harmful Algae **63**: 193-202.

Bretz, C. K., T. J. Manouki and R. G. Kvitek (2002). "Emerita analoga (Stimpson) as an indicator species for paralytic shellfish poisoning toxicity along the California coast." Toxicon **40**(8): 1189-1196.

Breustedt, B., E. Blanchardon, P. Berard, P. Fritsch, A. Giussani, M. A. Lopez, A. Luciani, D. Nosske, J. Piechowski, J. Schimmelepfeng and A. L. Serandour (2009). "Biokinetic modelling of DTPA decorporation therapy: the CONRAD approach." Radiation Protection Dosimetry **134**(1): 38-48.

Brevnov, D. A., E. Hutter and J. H. Fendler (2004). "Digital signal processing for step-scan phase and electrochemical potential double-modulation Fourier transform infrared Spectrometry." Applied Spectroscopy **58**(2): 184-192.

Briand, E., S. Reubrecht, F. Mondeguer, M. Sibat, P. Hess, Z. Amzil and M. Bormans (2019). "Chemically mediated interactions between *Microcystis* and *Planktothrix* : impact on their growth, morphology and metabolic profiles." Environmental Microbiology **21**(5): 1552-1566.

Bricelj, V. M., A. D. Cembella and D. Laby (2014). "Temperature effects on kinetics of paralytic shellfish toxin elimination in Atlantic surfclams, *Spisula solidissima*." Deep-Sea Research Part Ii-Topical Studies in Oceanography **103**: 308-317.

Brimfield, A. A. (1995). "POSSIBLE PROTEIN PHOSPHATASE INHIBITION BY BIS(HYDROXYETHYL)SULFIDE, A HYDROLYSIS PRODUCT OF MUSTARD GAS." Toxicology Letters **78**(1): 43-48.

Brissard, C., C. Herrenknecht, V. Sechet, F. Herve, F. Pisapia, J. Harcouet, R. Lemee, N. Chomerat, P. Hess and Z. Amzil (2014). "Complex Toxin Profile of French Mediterranean *Ostreopsis cf. ovata* Strains, Seafood Accumulation and Ovatoxins Prepurification." Marine Drugs **12**(5): 2851-2876.

Brissard, C., F. Herve, M. Sibat, V. Sechet, P. Hess, Z. Amzil and C. Herrenknecht (2015). "Characterization of ovatoxin-h, a new ovatoxin analog, and evaluation of chromatographic columns for ovatoxin analysis and purification." Journal of Chromatography A **1388**: 87-101.

Brookes, J. D. and A. Tomlinson (2019). "Pick your poison: do cyanotoxins or disinfection by-products pose the greater risk?" Inland Waters **9**(3): 345-347.

Brophy, M. J., B. F. Trueman, Y. Park, R. A. Betts and G. A. Gagnon (2019). "Fluorescence Spectra Predict Microcystin-LR and Disinfection Byproduct Formation Potential in Lake Water." Environmental Science & Technology **53**(2): 586-594.

Brown, N. A. and G. R. Seabrook (1995). "PHOSPHORYLATION-DEPENDENT AND VOLTAGE-DEPENDENT INHIBITION OF NEURONAL CALCIUM CURRENTS BY ACTIVATION OF HUMAN D-2(SHORT) DOPAMINE-RECEPTORS." British Journal of Pharmacology **115**(3): 459-466.

Bruining, M., R. Bakker, J. van Bruchem and S. Tamminga (1998). "Rumen digesta kinetics in dairy cows fed grass, maize and alfalfa silage. 1. Comparison of conventional, steady-state and dynamic methods to estimate microbial degradation, comminution and passage of particles." Animal Feed Science and Technology **73**(1-2): 37-58.

Buaque, N. M. S. and J. Capelo-Neto (2016). "Modelling adsorption equilibrium of STX and dc-STX onto GAC samples with different pore size distribution." Desalination and Water Treatment **57**(42): 19776-19784.

Buarque, N. M. S., H. L. D. Buarque and J. Capelo-Neto (2015). "Adsorption kinetics and diffusion of Saxitoxins on granular-activated carbon: influence of pore size distribution." Journal of Water Supply Research and Technology-Aqua **64**(3): 344-353.

Buck, K. R., L. Uttalcooke, C. H. Pilskaln, D. L. Roelke, M. C. Villac, G. A. Fryxell, L. Cifuentes and F. P. Chavez (1992). "AUTECOLOGY OF THE DIATOM PSEUDONITZSCHIA-AUSTRALIS, A DOMOIC ACID PRODUCER, FROM MONTEREY BAY, CALIFORNIA." Marine Ecology Progress Series **84**(3): 293-302.

Budge, S. M. and C. C. Parrish (1999). "Lipid class and fatty acid composition of Pseudo-nitzschia multiseries and Pseudo-nitzschia pungens and effects of lipolytic enzyme deactivation." Phytochemistry **52**(4): 561-566.

Bui, L. and M. I. Glavinovic (2013). "Recovery of vesicular storage and release parameters after high frequency stimulation in rat hippocampus." Cognitive Neurodynamics **7**(4): 311-323.

Burford, M. A., S. A. Johnson, A. J. Cook, T. V. Packer, B. M. Taylor and E. R. Townsley (2007). "Correlations between watershed and reservoir characteristics, and algal blooms in subtropical reservoirs." Water Research **41**(18): 4105-4114.

Burson, A., H. C. P. Matthijs, W. de Bruijne, R. Talens, R. Hoogenboom, A. Gerssen, P. M. Visser, M. Stomp, K. Steur, Y. van Scheppingen and J. Huisman (2014). "Termination of a toxic *Alexandrium* bloom with hydrogen peroxide." Harmful Algae **31**: 125-135.

Burykova, B., K. Hilscherova, P. Babica, D. Vrskova, B. Marsalek and L. Blaha (2006). "Toxicity of complex cyanobacterial samples and their fractions in *Xenopus laevis* embryos and the role of microcystins." Aquatic Toxicology **80**(4): 346-354.

Cai, L., C. Rensing, X. Y. Li and G. J. Wang (2009). "Novel gene clusters involved in arsenite oxidation and resistance in two arsenite oxidizers: *Achromobacter* sp SY8 and *Pseudomonas* sp TS44." Applied Microbiology and Biotechnology **83**(4): 715-725.

Cakir, M., H. Duzova, S. Tekin, E. Taslidere, G. B. Kaya, Y. Cigremis, T. Ozgocer and S. Yologlu (2017). "ACA, an inhibitor phospholipases A2 and transient receptor potential melastatin-2 channels, attenuates okadaic acid induced neurodegeneration in rats." Life Sciences **176**: 10-20.

Calado, S. L. D., G. S. Santos, M. Vicentini, D. C. Bozza, V. Prodomico, V. F. de Magalhaes, M. M. Cestari and H. C. S. de Assis (2020). "Multiple biomarkers response in a Neotropical fish exposed to paralytic shellfish toxins (PSTs)." Chemosphere **238**: 8.

Calas, A. G., J. Dias, C. Rousseau, M. Arboleas, M. Touvrey-Loiodice, G. Mercey, L. Jean, P. Y. Renard and F. Nachon (2017). "An easy method for the determination of active concentrations of cholinesterase reactivators in blood samples: Application to the efficacy assessment of non

quaternary reactivators compared to HI-6 and pralidoxime in VX-poisoned mice." Chemico-Biological Interactions **267**: 11-16.

Calu, G., V. Martin-Jezequel, E. Lefau, V. Sechet, P. Lassus, P. Weigel and Z. Amzil (2010). The influence of nitrogen speciation on growth and toxicity of Pseudo-nitzschia mulfiseries and P. pungens in batch and continuous cultures. ICMSS, 14-19 Juin 2009, Nantes.

Camacho-Munoz, D., L. A. Lawton and C. Edwards (2020). "Degradation of okadaic acid in seawater by UV/TiO<sub>2</sub> photocatalysis - Proof of concept." Science of the Total Environment **733**: 8.

Campàs, M., M. Rambla-Alegre, C. Wirén, C. Alcaraz, M. Rey, A. Safont, J. Diogène, M. Torréns and A. Frago (2021). "Cyclodextrin polymers as passive sampling materials for lipophilic marine toxins in *Prorocentrum lima* cultures and a *Dinophysis sacculus* bloom in the NW Mediterranean Sea." Chemosphere **285**: 131464.

Campbell, D., M. Kelly, M. Busman, C. Bolch, E. Wiggins, P. Moeller, S. Morton, P. Hess and S. Shumway (2001). "Amnesic shellfish poisoning in the king scallop, *Pecten maximus*, from the west coast of Scotland." Journal Of Shellfish Research **20**(1): 75-84.

Campbell, D. T. (1992). "LARGE AND SMALL VERTEBRATE SENSORY NEURONS EXPRESS DIFFERENT NA-CHANNEL AND K-CHANNEL SUBTYPES." Proceedings of the National Academy of Sciences of the United States of America **89**(20): 9569-9573.

Campbell, D. T. (1993). "SINGLE-CHANNEL CURRENT-VOLTAGE RELATIONSHIPS OF 2 KINDS OF NA<sup>+</sup> CHANNEL IN VERTEBRATE SENSORY NEURONS." Pflugers Archiv-European Journal of Physiology **423**(5-6): 492-496.

Canals, A., C. V. Martínez, J. Diogène, A. Gago-martínez, L. Cebadura-miranda, F. M. de Vasconcelos, I. L. Gómez, E. V. M. Sánchez, R. C. Alférez, D. Núñez, M. Friedemann, M. Oleastro, I. Boziaris, M. Rambla, M. Campàs, M. Fernández, K. Andree, A. Tudó, M. Rey, N. Sagristà, P. Aguayo, S. Leonardo, V. Castan, J. L. Costa, F. Real, N. García, A. J. F. Rodríguez, F. M. León, P. R. Costa, L. Soliño, S. Rodrigues, A. Silva, L. Godinho, A. Marques, P. Kanari, G. Stavroulakis, G. Papageorgiou, E. Chrysanthou, K. Aligizaki, I. Nikolopoulou, A. Kaliwra, J. M. Leão, P. Estevez, D. Castro, C. Barrios, P. Hess and M. Sibat (2021). "Risk characterisation of ciguatera poisoning in Europe." EFSA Supporting Publications **18**(5).

Canessa, M. (1995). "RED-CELL SODIUM-LITHIUM COUNTERTRANSPORT AND CARDIOVASCULAR RISK-FACTORS IN ESSENTIAL-HYPERTENSION." Trends in Cardiovascular Medicine **5**(3): 102-108.

Canessa, M., J. R. Romero, C. Lawrence, R. L. Nagel and M. E. Fabry (1994). "RATE OF ACTIVATION AND DEACTIVATION OF K-CL COTRANSPORT BY CHANGES IN CELL-VOLUME IN HEMOGLOBIN-SS, HEMOGLOBIN-CC AND HEMOGLOBIN-AA RED-CELLS." Journal of Membrane Biology **142**(3): 349-362.

Cao, J. G., Z. Z. Dong, H. Y. Zhao, S. H. Duan, X. L. Cao, H. L. Liu and Z. Z. Yang (2020). "Allelopathic effect of rhubarb extracts on the growth of *Microcystis aeruginosa*." Water Science and Technology **82**(6): 1092-1101.

Cao, L. S., J. W. Wang, Z. P. Wang, S. W. Yu, Y. J. Cheng, J. Ma and P. C. Xie (2022). "Inactivation of *Microcystis Aeruginosa* by peracetic acid combined with ultraviolet: Performance and characteristics." Water Research **208**: 8.

Cao, W., X. W. Zeng, G. Liu, Z. Li, X. B. Zeng, L. J. Wang, L. Q. Huang, S. S. Feng and L. Mei (2015). "Porphine functionalized nanoparticles of star-shaped poly(epsilon-caprolactone)-b-D-alpha-tocopheryl polyethylene glycol 1000 succinate biodegradable copolymer for chemophotodynamic therapy on cervical cancer." Acta Biomaterialia **26**: 145-158.

Cao, Y., S. Y. Hu, T. T. Gong, Q. M. Xian and B. Xu (2019). "Decomposition of beta-N-methylamino-L-alanine (BMAA) and 2,4-diaminobutyric acid (DAB) during chlorination and consequent disinfection byproducts formation." Water Research **159**: 365-374.

Cao, Z. H., K. C. Flanders, D. Bertolette, L. A. Lyakh, J. U. Wurthner, W. T. Parks, J. J. Letterio, F. W. Ruscetti and A. B. Roberts (2003). "Levels of phospho-Smad2/3 are sensors of the interplay between effects of TGF-beta and retinoic acid on monocytic and granulocytic differentiation of HL-60 cells." Blood **101**(2): 498-507.

Capelo-Neto, J. and N. M. S. Buarque (2016). "Simulation of saxitoxins adsorption in full-scale GAC filter using HSMD." Water Research **88**: 558-565.

Carazo, A., P. Mladenka and P. Pavek (2019). "Marine Ligands of the Pregnane X Receptor (PXR): An Overview." Marine Drugs **17**(10): 18.

Cardinal, M., R. Baron, C. Kouakou, C. Prost and P. Courcoux (2014). "Comparative Value of a Sorting Procedure and Quantitative Descriptive Analysis to Investigate the Influence of Processing Parameters: Case Study of Hydrolysate Production From Salmon By-Products." Journal Of Sensory Studies **29**(2): 159-170.

Cardinal, M., M. Chaussy, C. Donnay-Moreno, J. Cornet, C. Rannou, C. Fillonneau, C. Prost, R. Baron and P. Courcoux (2020). "Use of random forest methodology to link aroma profiles to volatile compounds: application to enzymatic hydrolysis of Atlantic salmon (*Salmo salar*) by-products combined with Maillard reactions." Food Research International **134**.

Cardinal, M., J. Cornet, A. Dauchy, F. Leroi, R. Baron and P. Courcoux (2015). Application of a sorting procedure for sensory evaluation of seafood products: comparison with conventional profiling. TAFT 2015 - 5th Trans Atlantic Fisheries Technology Conferenc. Towards a better use of aquatic resources. 12 - 15 october 2015, Nantes.

Cardinal, M., J. Cornet, T. Serot and R. Baron (2006). "Effects of the smoking process on odour characteristics of smoked herring (*Clupea harengus*) and relationships with phenolic compound content." Food Chemistry **96**(1): 137-146.

Cardoso, A., E. A. Lukyanova, M. D. Madeira and N. V. Lukyanov (2011). "Seizure-induced structural and functional changes in the rat hippocampal formation: Comparison between brief seizures and status epilepticus." Behavioural Brain Research **225**(2): 538-546.

Cardoso, D. S. P., L. Amaral, D. M. F. Santos, B. Sljukic, C. A. C. Sequeira, D. Maccio and A. Saccone (2015). "Enhancement of hydrogen evolution in alkaline water electrolysis by using nickel-rare earth alloys." International Journal of Hydrogen Energy **40**(12): 4295-4302.

Cardoso, D. S. P., S. Eugenio, T. M. Silva, D. M. F. Santos, C. A. C. Sequeira and M. F. Montemor (2015). "Hydrogen evolution on nanostructured Ni-Cu foams." Rsc Advances **5**(54): 43456-43461.

Carletti, E., J. P. Colletier, L. M. Schopfer, G. Santoni, P. Masson, O. Lockridge, F. Nachon and M. Weik (2013). "Inhibition Pathways of the Potent Organophosphate CBDP with Cholinesterases Revealed by X-ray Crystallographic Snapshots and Mass Spectrometry." Chemical Research in Toxicology **26**(2): 280-289.

Carloto, I., P. Johnston, C. J. Pestana and L. A. Lawton (2021). "Detection of morphological changes caused by chemical stress in the cyanobacterium *Planktothrix agardhii* using convolutional neural networks." Science of the Total Environment **784**: 9.

Carp, D. J., R. I. Baeza, G. B. Bartholomai and A. M. R. Pilsof (2004). "Impact of proteins-kappa-carrageenan interactions on foam properties." Lebensmittel-Wissenschaft Und-Technologie-Food Science and Technology **37**(5): 573-580.

Carpenter, L., C. J. Mitchell, Z. Z. Xu, P. Poronnik, G. W. Both and T. J. Biden (2004). "PKC alpha is activated but not required during glucose-induced insulin secretion from rat pancreatic islets." Diabetes **53**(1): 53-60.

Carretero, J. C. and E. Dominguez (1992). "LIPASE-CATALYZED KINETIC RESOLUTION OF GAMMA-HYDROXY PHENYL SULFONES." Journal of Organic Chemistry **57**(14): 3867-3873.

Carriere, A., M. Prevost, A. Zamyadi, P. Chevalier and B. Barbeau (2010). "Vulnerability of Quebec drinking-water treatment plants to cyanotoxins in a climate change context." Journal of Water and Health **8**(3): 455-465.

Casillas, A. M., K. Amaral, S. Cheginifarhani and A. E. Nel (1993). "OKADAIC ACID ACTIVATES P42 MITOGEN-ACTIVATED PROTEIN-KINASE (MAP KINASE ERK-2) IN B-LYMPHOCYTES BUT INHIBITS RATHER THAN AUGMENTS CELLULAR PROLIFERATION - CONTRAST WITH PHORBOL 12-MYRISTATE 13-ACETATE." Biochemical Journal **290**: 545-550.

Castaing, J. B., A. Masse, M. Pontie, V. Sechet, J. Haure and P. Jaouen (2010). "Investigating submerged ultrafiltration (UF) and microfiltration (MF) membranes for seawater pre-treatment dedicated to total removal of undesirable micro-algae." Desalination **253**(1-3): 71-77.

Castaing, J. B., A. Masse, V. Sechet, N. E. Sabiri, M. Pontie, J. Haure and P. Jaouen (2011). "Immersed hollow fibres microfiltration (MF) for removing undesirable micro-algae and protecting semi-closed aquaculture basins." Desalination **276**(1-3): 386-396.

Castberg, T., T. Torgersen, J. Aasen, T. Aune and L. J. Naustvoll (2004). "Diarrhoetic shellfish poisoning toxins in *Cancer pagurus* Linnaeus, 1758 (Brachyura, Cancridae) in Norwegian waters." Sarsia **89**(5): 311-317.

Castellano, I., O. Migliaccio, G. Ferraro, E. Maffioli, D. Marasco, A. Merlino, A. Zingone, G. Tedeschi and A. Palumbo (2018). "Biotic and environmental stress induces nitration and changes in structure and function of the sea urchin major yolk protein toposome." Scientific Reports **8**: 11.

Castro, D., D. Vera, N. Lagos, C. Garcia and M. Vasquez (2004). "The effect of temperature on growth and production of paralytic shellfish poisoning toxins by the cyanobacterium *Cylindrospermopsis raciborskii* C10." Toxicon **44**(5): 483-489.

Cattel, L., V. Recalenda, M. Airolidi, V. Tagini, S. Arpicco, P. Brusa and C. Bumma (2001). "A sequence-dependent combination of docetaxel and vinorelbine: pharmacokinetic interactions." *Farmaco* **56**(10): 779-784.

Cavalcante, M. F., M. D. Adorne, W. M. Turato, M. Kemmerer, M. K. Uchiyama, A. C. C. Asbahr, A. D. S. Alves, S. H. P. Farsky, C. Drewes, M. C. Spatti, S. M. Kazuma, M. Boss, S. S. Guterres, K. Araki, B. Brune, D. Namgaladze, A. R. Pohlmann and D. S. P. Abdalla (2021). "scFv-Anti-LDL(-)-Metal-Complex Multi-Wall Functionalized-Nanocapsules as a Promising Tool for the Prevention of Atherosclerosis Progression." *Frontiers in Medicine* **8**: 14.

Ceolotto, G., P. Conlin, G. Clari, A. Semplicini and M. Canessa (1997). "Protein kinase C and insulin regulation of red blood cell Na+/H<sup>+</sup> exchange." *American Journal of Physiology-Cell Physiology* **272**(3): C818-C826.

Chae, S., T. Noeiaghaei, Y. Oh, I. S. Kim and J. S. Park (2019). "Effective removal of emerging dissolved cyanotoxins from water using hybrid photocatalytic composites." *Water Research* **149**: 421-431.

Chaffin, J. D., J. F. Bratton, E. M. Verhamme, H. B. Bair, A. A. Beecher, C. E. Binding, J. A. Birbeck, T. B. Bridgeman, X. X. Chang, J. Crossman, W. J. S. Currie, T. W. Davis, G. J. Dick, K. G. Drouillard, R. M. Errera, T. Frenken, H. J. MacIsaac, A. McClure, R. M. McKay, L. A. Reitz, J. W. Santo Domingo, K. Stanislawczyk, R. P. Stumpf, Z. D. Swan, B. K. Snyder, J. A. Westrick, P. F. Xue, C. E. Yancey, A. Zastepa and X. Zhou (2021). "The Lake Erie HABs Grab: A binational collaboration to characterize the western basin cyanobacterial harmful algal blooms at an unprecedented high-resolution spatial scale." *Harmful Algae* **108**: 18.

Chalermpalanupap, T., J. P. Schroeder, J. M. Rorabaugh, L. C. Liles, J. J. Lah, A. I. Levey and D. Weinshenker (2018). "Locus Coeruleus Ablation Exacerbates Cognitive Deficits, Neuropathology, and Lethality in P301S Tau Transgenic Mice." *Journal of Neuroscience* **38**(1): 74-92.

Chan, I. O. M., P. K. S. Lam, R. H. Y. Cheung, M. H. W. Lam and R. S. S. Wu (2005). "Application of solid phase microextraction in the determination of paralytic shellfish poisoning toxins." *Analyst* **130**(11): 1524-1529.

Chang, N. B., M. Wanielista and Z. Marimon (2015). COMPARATIVE EVALUATION OF FLOATING TREATMENT WETLANDS FOR NUTRIENT REMOVAL AND ALGAL TOXIN CONTROL IN WET DETENTION PONDS. International Low Impact Development Conference (LID), Houston, TX, Amer Soc Civil Engineers.

Chang, S. C. and P. B. Kaufman (2000). "Effects of staurosporine, okadaic acid and sodium fluoride on protein phosphorylation in graviresponding oat shoot pulvini." *Plant Physiology and Biochemistry* **38**(4): 315-323.

Chang, S. C., C. H. Li, J. J. Lin, Y. H. Li and M. R. Lee (2014). "Effective removal of *Microcystis aeruginosa* and microcystin-LR using nanosilicate platelets." *Chemosphere* **99**: 49-55.

Chapman, J. D., C. C. Stobbe and Y. Matsumoto (2001). "Chromatin compaction and tumor cell radio sensitivity at 2 gray." *American Journal of Clinical Oncology-Cancer Clinical Trials* **24**(5): 509-515.

Chauhan, P., R. Gupta, B. P. Jain, S. Pandey and S. K. Goswami (2020). "Subcellular dynamics of variants of SG2NA in NIH3T3 fibroblasts." Cell Biology International **44**(2): 637-650.

Che, Y. J., L. Ding, J. B. Qiu, Y. Ji and A. F. Li (2020). "Conversion and Stability of New Metabolites of Paralytic Shellfish Toxins under Different Temperature and pH Conditions." Journal of Agricultural and Food Chemistry **68**(5): 1427-1435.

Chen, J. X., X. C. Zhang, J. Han, Y. H. Li, M. Su and A. D. Lu (2017). "Kinetics and mechanism of desilication reaction in sodium chromate solution using sodium aluminate." Water Science and Technology **75**(7): 1548-1554.

Chen, J. Z., Z. L. Liu, G. J. Ren, P. F. Li and Y. W. Jiang (2004). "Control of *Microcystis aeruginosa* TH01109 with batangas mandarin skin and dwarf banana peel." Water Sa **30**(2): 279-282.

Chen, K. D., J. J. Chu and Y. K. Lai (1996). "Modulation of protein phosphorylation and stress protein expression by okadaic acid on heat shock cells." Journal of Cellular Biochemistry **61**(2): 255-265.

Chen, K. D., J. J. Hung, H. L. Huang, M. D. T. Chang and Y. K. Lai (1997). "Rapid induction of the Grp78 gene by cooperative actions of okadaic acid and heat-shock in 9L rat brain tumor cells - Involvement of a cAMP responsive element-like promoter sequence and a protein kinase A signaling pathway." European Journal of Biochemistry **248**(1): 120-129.

Chen, L., J. P. Giesy, O. Adamovsky, Z. Svircev, J. Meriliuoto, G. A. Codd, B. Mijovic, T. Shi, X. Tuo, S. C. Li, B. Z. Pan, J. Chen and P. Xie (2021). "Challenges of using blooms of *Microcystis* spp. in animal feeds: A comprehensive review of nutritional, toxicological and microbial health evaluation." Science of the Total Environment **764**: 23.

Chen, L., C. Zhao, D. D. Dionysiou and K. E. O'Shea (2015). "TiO<sub>2</sub> photocatalytic degradation and detoxification of cylindrospermopsin." Journal of Photochemistry and Photobiology a-Chemistry **307**: 115-122.

Chen, L. Q., M. Chahine, R. G. Kallen, R. L. Barchi and R. Horn (1992). "CHIMERIC STUDY OF SODIUM-CHANNELS FROM RAT SKELETAL AND CARDIAC-MUSCLE." Fefs Letters **309**(3): 253-257.

Chen, P., Z. Q. Li, D. J. Luo, R. X. Jia, H. Lu, M. Q. Tang, Y. L. Hu, J. Yue and Z. Huang (2021). "Comparative transcriptomic analysis reveals key genes and pathways in two different cadmium tolerance kenaf (*Hibiscus cannabinus* L.) cultivars." Chemosphere **263**: 12.

Chen, Q. X. and R. K. S. Wong (1995). "SUPPRESSION OF A CA<sub>2+</sub> CURRENT BY NMDA AND INTRACELLULAR CA<sub>2+</sub> IN ACUTELY ISOLATED HIPPOCAMPAL-NEURONS." Journal of Neurophysiology **73**(2): 515-524.

Chen, X., A. M. Fleming, J. G. Muller and C. J. Burrows (2013). "Endonuclease and exonuclease activities on oligodeoxynucleotides containing spiroiminodihydantoin depend on the sequence context and the lesion stereochemistry." New Journal of Chemistry **37**(11): 3440-3449.

Chen, X. E., S. M. Lu and Y. L. Zhang (2014). "Characterization of Protein Phosphatase 5 from Three Lepidopteran Insects: *Helicoverpa armigera*, *Mythimna separata* and *Plutella xylostella*." Plos One **9**(5): 11.

Chen, X. Y., H. W. Yang, S. M. Chi, L. L. Yue, Q. Ruan, Z. Lei, H. Y. Zhu and Y. Zhao (2021). "Solubility and biological activity enhancement of docetaxel via formation of inclusion complexes with three alkylendiamine-modified beta-cyclodextrins." Rsc Advances **11**(11): 6292-6303.

Chen, Y., C. Chen, J. L. Zheng, Z. Y. Chen, Q. Z. Shi and H. Liu (2011). "Development of a Solid Supersaturatable Self-Emulsifying Drug Delivery System of Docetaxel with Improved Dissolution and Bioavailability." Biological & Pharmaceutical Bulletin **34**(2): 278-286.

Chen, Y., S. F. Zeng and Y. F. Cao (2012). "Oxidative stress response in zebrafish (*Danio rerio*) gill experimentally exposed to subchronic microcystin-LR." Environmental Monitoring and Assessment **184**(11): 6775-6787.

Chen, Y. N., L. Wang, D. D. Guo, C. M. Sheng, H. Z. Dai, X. Y. Shi, W. J. Zhang, Q. Q. Huang, C. Peng and W. D. Chen (2018). "A rapid and efficient technique for liposomal and nonliposomal drug pharmacokinetics studies using magnetic nanoprobes and its application to leakage kinetics of liposomes." Journal of Chromatography A **1580**: 2-11.

Chen, Y. Q., F. Bai, Z. Y. Li, P. C. Xie, Z. P. Wang, X. N. Feng, Z. Z. Liu and L. Z. Huang (2020). "UV-assisted chlorination of algae-laden water: Cell lysis and disinfection byproducts formation." Chemical Engineering Journal **383**: 9.

Chen, Z. H., J. Y. Li, M. Q. Chen, K. Y. Koh, Z. R. Du, K. Y. H. Gin, Y. L. He, C. N. Ong and J. P. Chen (2021). "Microcystis aeruginosa removal by peroxides of hydrogen peroxide peroxymonosulfate and peroxydisulfate without additional activators." Water Research **201**: 10.

Chen, Z. N., X. X. Shao, W. Sun, J. Zhao and X. Y. He (2021). "Optimization of multiscale digital speckle patterns for multiscale deformation measurement using stereo-digital image correlation." Applied Optics **60**(16): 4680-4689.

Cheng, L. L., M. D. Spangfort and J. F. Allen (1994). "SUBSTRATE-SPECIFICITY AND KINETICS OF THYLAKOID PHOSPHOPROTEIN PHOSPHATASE REACTIONS." Biochimica Et Biophysica Acta-Bioenergetics **1188**(1-2): 151-157.

Cheng, T. J. and Y. K. Lai (1994). "TRANSIENT INCREASE IN VIMENTIN PHOSPHORYLATION AND VIMENTIN-HSC70 ASSOCIATION IN 9L RAT-BRAIN TUMOR-CELLS EXPERIENCING HEAT-SHOCK." Journal of Cellular Biochemistry **54**(1): 100-109.

Cheung, P. W., L. Ueberdiek, J. Day, R. Bouley and D. Brown (2017). "Protein phosphatase 2C is responsible for VP-induced dephosphorylation of AQP2 serine 261." American Journal of Physiology-Renal Physiology **313**(2): F404-F413.

Chi, C., S. S. Giri, J. W. Jun, S. W. Kim, H. J. Kim, J. W. Kang and S. C. Park (2018). "Detoxification- and Immune-Related Transcriptomic Analysis of Gills from Bay Scallops (*Argopecten irradians*) in Response to Algal Toxin Okadaic Acid." Toxins **10**(8): 17.

Chi, G. Y., B. Huang, J. Ma, Y. Shi and X. Chen (2015). "Effects of iron on growth and reflectance spectrum of the bloom-forming cyanobacterium *Microcystis viridis*." Phycological Research **63**(4): 265-273.

Chiang, C. C., P. N. Immanuel, Y. H. Chiu and S. J. Huang (2021). "Heterogeneous Bonding of PMMA and Double-Sided Polished Silicon Wafers through H<sub>2</sub>O Plasma Treatment for Microfluidic Devices." *Coatings* **11**(5): 20.

Chiavaroli, C., P. Vacher and W. Schlegel (1992). "MODULATION OF CA-2+ INFLUX BY PROTEIN-PHOSPHORYLATION IN SINGLE INTACT CLONAL PITUITARY-CELLS." *European Journal of Pharmacology-Molecular Pharmacology Section* **227**(2): 173-180.

Chidlow, G., J. Melena and N. N. Osborne (2000). "Betaxolol, a beta(1)-adrenoceptor antagonist, reduces Na<sup>+</sup> influx into cortical synaptosomes by direct interaction with Na<sup>+</sup> channels: comparison with other beta-adrenoceptor antagonists." *British Journal of Pharmacology* **130**(4): 759-766.

Chien, I. C., S. P. Wu, H. C. Ke, S. L. Lo and H. H. Tung (2018). "Comparing Ozonation and Biofiltration Treatment of Source Water with High Cyanobacteria-Derived Organic Matter: The Case of a Water Treatment Plant Followed by a Small-Scale Water Distribution System." *International Journal of Environmental Research and Public Health* **15**(12): 12.

Chinain, M., C. Mahana Iti Gatti, A. Ung, P. Cruchet, T. Revel, J. Viallon, M. Sibat, P. Varney, V. Laurent, P. Hess and H. Taiana Darius (2020). "Evidence for the Range Expansion of Ciguatera in French Polynesia: A Revisit of the 2009 Mass-Poisoning Outbreak in Rapa Island (Australes Archipelago)." *Toxins* **12**(12).

Chirila, L., R. Butnaru, I. Sandu, V. Vasilache and A. V. Sandu (2011). "Synthesis and Characterization of Some New Premetalated Dyes Based on Cu(II)." *Revista De Chimie* **62**(3): 265-271.

Chishti, N., S. Jagwani, D. Dhamecha, S. Jalalpure and M. H. Dehghan (2019). "Preparation, Optimization, and In Vivo Evaluation of Nanoparticle-Based Formulation for Pulmonary Delivery of Anticancer Drug." *Medicina-Lithuania* **55**(6): 28.

Chislock, M. F., K. L. Sharp and A. E. Wilson (2014). "Cylindrospermopsis raciborskii dominates under very low and high nitrogen-to-phosphorus ratios." *Water Research* **49**: 207-214.

Choi, C. J., J. A. Berges and E. B. Young (2012). "Rapid effects of diverse toxic water pollutants on chlorophyll a fluorescence: Variable responses among freshwater microalgae." *Water Research* **46**(8): 2615-2626.

Choi, M. C., D. P. H. Hsieh, P. K. S. Lam and W. X. Wang (2003). "Field depuration and biotransformation of paralytic shellfish toxins in scallop *Chlamys nobilis* and green-lipped mussel *Perna viridis*." *Marine Biology* **143**(5): 927-934.

Choi, M. C., P. K. N. Yu, D. P. H. Hsieh and P. K. S. Lam (2006). "Trophic transfer of paralytic shellfish toxins from clams (*Ruditapes philippinarum*) to gastropods (*Nassarius festivus*)."*Chemosphere* **64**(10): 1642-1649.

Chou, C. H. and C. R. Yang (2021). "Neuroprotective Studies of Evodiamine in an Okadaic Acid-Induced Neurotoxicity." *International Journal of Molecular Sciences* **22**(10): 16.

Chouvelon, T., J. Spitz, F. Caurant, P. Mendez-Fernandez, J. Autier, A. Lassus-Debat, A. Chappuis and P. Bustamante (2012). "Enhanced bioaccumulation of mercury in deep-sea fauna from the Bay of Biscay (north-east Atlantic) in relation to trophic positions identified by analysis of carbon and nitrogen stable isotopes." *Deep-sea Research Part I-oceanographic Research Papers* **65**: 113-124.

Chow, C. W. K., S. Panglisch, J. House, M. Drikas, M. D. Burch and R. Gimbel (1997). "A study of membrane filtration for the removal of cyanobacterial cells." Journal of Water Services Research and Technology-Aqua **46**(6): 324-334.

Christoffersen, K., S. Lyck and A. Winding (2002). "Microbial activity and bacterial community structure during degradation of microcystins." Aquatic Microbial Ecology **27**(2): 125-136.

Christophoridis, C., S. K. Zervou, K. Manolidi, M. Katsiapi, M. Moustaka-Gouni, T. Kaloudis, T. M. Triantis and A. Hiskia (2018). "Occurrence and diversity of cyanotoxins in Greek lakes." Scientific Reports **8**: 22.

Chun, C. L., C. I. Kahn, A. J. Borchert, M. N. Byappanahalli, R. L. Whitman, J. Peller, C. Pier, G. Y. Lin, E. A. Johnson and M. J. Sadowsky (2015). "Prevalence of toxin-producing Clostridium botulinum associated with the macroalga Cladophora in three Great Lakes: Growth and management." Science of the Total Environment **511**: 523-529.

Chun, Y. S., J. W. Park, M. S. Kim, H. Shima, M. Nagao, S. H. Lee, S. W. Park and M. H. Chung (1999). "Role of the 78-kDa glucose-regulated protein as an activity modulator of protein phosphatase1 gamma 2." Biochemical and Biophysical Research Communications **259**(2): 300-304.

Church, C. J. and C. O. Knowles (1992). "SAXITOXIN BINDING TO NEURAL MEMBRANES FROM PYRETHROID SUSCEPTIBLE AND RESISTANT TOBACCO BUDWORM MOTHS HELIOTHIS-VIRESCENS." Comparative Biochemistry and Physiology C-Toxicology & Pharmacology **103**(3): 495-498.

Claassen-Weitz, S., S. Gardner-Lubbe, K. S. Mwaikono, E. du Toit, H. J. Zar and M. P. Nicol (2020). "Optimizing 16S rRNA gene profile analysis from low biomass nasopharyngeal and induced sputum specimens." Bmc Microbiology **20**(1): 26.

Clark, S. S., L. Zhong, D. Filiault, S. Perman, Z. B. Ren, M. Gould and X. H. Yang (2003). "Anti-leukemia effect of perillyl alcohol in Bcr/Abl-transformed cells indirectly inhibits signaling through Mek in a Ras- and Raf-independent fashion." Clinical Cancer Research **9**(12): 4494-4504.

Clausing, R. J., B. Losen, F. R. Oberhaensli, H. T. Darius, M. Sibat, P. Hess, P. W. Swarzenski, M. Chinain and M. Y. D. Bottein (2018). "Experimental evidence of dietary ciguatoxin accumulation in an herbivorous coral reef fish." Aquatic Toxicology **200**: 257-265.

Claussen, U., S. Michel, P. Muhlig, M. Westermann, U. W. Grummt, K. Kromeyer-Hauschild and T. Liehr (2002). "Demystifying chromosome preparation and the implications for the concept of chromosome condensation during mitosis." Cytogenetic and Genome Research **98**(2-3): 136-146.

Cochlan, W. P., J. Herndon and R. M. Kudela (2008). "Inorganic and organic nitrogen uptake by the toxicogenic diatom *Pseudo-nitzschia australis* (Bacillariophyceae)." Harmful Algae **8**(1): 111-118.

Cocilova, C. C., L. J. Flewelling, A. A. Granholm, C. A. Manire and S. L. Milton (2019). "INTRAVENOUS LIPID EMULSION TREATMENT REDUCES SYMPTOMS OF BREVETOXICOSIS IN TURTLES (TRACHEMIYS SCRIPTA)." Journal of Zoo and Wildlife Medicine **50**(1): 33-44.

Coffer, M. M., B. A. Schaeffer, K. Foreman, A. Porteous, K. A. Loftin, R. P. Stumpf, P. J. Werdell, E. Urquhart, R. J. Albert and J. A. Darling (2021). "Assessing cyanobacterial frequency and abundance at surface waters near drinking water intakes across the United States." Water Research **201**: 13.

Coker, S. A., Z. M. Szczepiorkowski, A. H. Siegel, A. Ferrari, G. Mambrini, R. Anand, R. D. Hartman, L. Benatti and L. J. Dumont (2018). "A Study of the Pharmacokinetic Properties and the In Vivo Kinetics of Erythrocytes Loaded With Dexamethasone Sodium Phosphate in Healthy Volunteers." Transfusion Medicine Reviews **32**(2): 102-110.

Collins, C., J. Graham, L. Brown, E. Bresnan, J. P. Lacaze and E. A. Turrell (2009). "IDENTIFICATION AND TOXICITY OF ALEXANDRIUM TAMARENSE (DINOPHYCEAE) IN SCOTTISH WATERS." Journal of Phycology **45**(3): 692-703.

Collombet, J. M. (2011). "Nerve agent intoxication: Recent neuropathophysiological findings and subsequent impact on medical management prospects." Toxicology and Applied Pharmacology **255**(3): 229-241.

Collombet, J. M., D. Beracochea, P. Liscia, C. Pierard, G. Lallement and P. Filliat (2011). "Long-term effects of cytokine treatment on cognitive behavioral recovery and neuronal regeneration in soman-poisoned mice." Behavioural Brain Research **221**(1): 261-270.

Colman, Jr., M. Twiner, P. Hess, T. McMahon, M. Satake, T. Yasumoto, G. Doucette and J. Ramsdell (2005). "Teratogenic effects of azaspiracid-1 identified by microinjection of Japanese medaka (*Oryzias latipes*) embryos." Toxicon **45**(7): 881-890.

Compagnon, D., G. Lembeye, N. Marcos, N. Ruiz-Tagle and N. Lagos (1998). "Accumulation of paralytic shellfish poisoning toxins in the bivalve *Aulacomya ater* and two carnivorous gastropods *Concholepas concholepas* and *Argobuccinum ranelliformes* during an *Alexandrium catenella* bloom in southern Chile." Journal of Shellfish Research **17**(1): 67-73.

Conti, F., A. Gheri, M. Pusch and O. Moran (1996). "Use dependence of tetrodotoxin block of sodium channels: A revival of the trapped-ion mechanism." Biophysical Journal **71**(3): 1295-1312.

Contreras, A. M., I. D. Marsden and M. H. G. Munro (2012). "PHYSIOLOGICAL EFFECTS AND BIOTRANSFORMATION OF PSP TOXINS IN THE NEW ZEALAND SCALLOP, PECTEN NOVAEZEALANDIAE." Journal of Shellfish Research **31**(4): 1151-1159.

Contreras, H. R. and C. Garcia (2019). "Inter-species variability of okadaic acid group toxicity in relation to the content of fatty acids detected in different marine vectors." Food Additives and Contaminants Part a-Chemistry Analysis Control Exposure & Risk Assessment **36**(3): 464-482.

Cook, D. and G. Newcombe (2008). "Comparison and modeling of the adsorption of two microcystin analogues onto powdered activated carbon." Environmental Technology **29**(5): 525-534.

Cooke, P. S., J. D. Kirby and J. Porcelli (1993). "INCREASED TESTIS GROWTH AND SPERM PRODUCTION IN ADULT-RATS FOLLOWING TRANSIENT NEONATAL GOITROGEN TREATMENT - OPTIMIZATION OF THE PROPYLTHIOURACIL DOSE AND EFFECTS OF METHIMAZOLE." Journal of Reproduction and Fertility **97**(2): 493-499.

Copeland, B. J., V. Vogelsberg, N. H. Neff and M. Hadjiconstantinou (1996). "Protein kinase C activators decrease dopamine uptake into striatal synaptosomes." Journal of Pharmacology and Experimental Therapeutics **277**(3): 1527-1532.

Coppock, D. L., J. B. Tansey and L. Nathanson (1992). "12-O-TETRADECANOYLPHORBOL-13-ACETATE INDUCES TRANSIENT CELL-CYCLE ARREST IN G1 AND G2 IN METASTATIC MELANOMA-CELLS - INHIBITION OF PHOSPHORYLATION OF P34CDC2." Cell Growth & Differentiation **3**(8): 485-494.

Coral, L. A., L. A. D. Proenca, F. D. Bassetti and F. R. Lapolli (2011). "Nanofiltration membranes applied to the removal of saxitoxin and congeners." Desalination and Water Treatment **27**(1-3): 8-17.

Cordier, C., A. Voulgaris, C. Stavrakakis, P. Sauvade, F. Coelho and P. Moulin (2021). "Ultrafiltration for environmental safety in shellfish production: A case of bloom emergence." Water Science and Engineering **14**(1): 46-53.

Corrette, B. J., H. Repp, F. Dreyer and J. R. Schwarz (1991). "2 TYPES OF FAST K<sup>+</sup> CHANNELS IN RAT MYELINATED NERVE-FIBERS AND THEIR SENSITIVITY TO DENDROTOXIN." Pflugers Archiv-European Journal of Physiology **418**(4): 408-416.

Cossa, D. and P. Lassus (1989). Le cadmium en milieu marin. Biogéochimie et écotoxicologie, Ifremer.

Costa, P. R., M. J. Botelho and K. A. Lefebvre (2010). "Characterization of paralytic shellfish toxins in seawater and sardines (*Sardina pilchardus*) during blooms of *Gymnodinium catenatum*." Hydrobiologia **655**(1): 89-97.

Costa, P. R., S. Lage, M. Barata and P. Pousao-Ferreira (2011). "Uptake, transformation, and elimination kinetics of paralytic shellfish toxins in white seabream (*Diplodus sargus*)."Marine Biology **158**(12): 2805-2811.

Costa, P. R., P. Pereira, S. Guilherme, M. Barata, L. Nicolau, M. A. Santos, M. Pacheco and P. Pousao-Ferreira (2012). "Biotransformation modulation and genotoxicity in white seabream upon exposure to paralytic shellfish toxins produced by *Gymnodinium catenatum*." Aquatic Toxicology **106**: 42-47.

Costa, P. R., P. Pereira, S. Guilherme, M. Barata, M. A. Santos, M. Pacheco and P. Pousao-Ferreira (2012). "Hydroxybenzoate paralytic shellfish toxins induce transient GST activity depletion and chromosomal damage in white seabream (*Diplodus sargus*)."Marine Environmental Research **79**: 63-69.

Costa, S. T., C. Vale, J. Raimundo, D. Matias and M. J. Botelho (2016). "Changes of paralytic shellfish toxins in gills and digestive glands of the cockle *Cerastoderma edule* under post-bloom natural conditions." Chemosphere **149**: 351-357.

Costanzo, W., U. Jena, R. Hilten, K. C. Das and J. R. Kastner (2015). "Low temperature hydrothermal pretreatment of algae to reduce nitrogen heteroatoms and generate nutrient recycle streams."Algal Research-Biomass Biofuels and Bioproducts **12**: 377-387.

Cousin, X., A. Batel, A. Bringer, S. Hess, M.-L. Bégout and T. Braunbeck (2020). "Microplastics and sorbed contaminants – Trophic exposure in fish sensitive early life stages." Marine Environmental Research **161**.

Crafton, E. A., T. J. Cutright, W. M. Bishop and D. W. Ott (2019). "Modulating the Effect of Iron and Total Organic Carbon on the Efficiency of a Hydrogen Peroxide-Based Algaecide for Suppressing Cyanobacteria." Water Air and Soil Pollution **230**(3): 14.

Crafton, E. A., J. Glowczewski, D. W. Ott and T. J. Cutright (2018). "In situ field trial to evaluate the efficacy of Cutrine Ultra to manage a cyanobacteria population in a drinking water source." Environmental Science-Water Research & Technology **4**(6): 863-871.

Craig, T. J., G. J. O. Evans and A. Morgan (2003). "Physiological regulation of Munc18/nSec1 phosphorylation on serine-313." Journal of Neurochemistry **86**(6): 1450-1457.

Croci, L., L. Toti, D. D. Medici and L. Cozzi (1994). "Diarrhetic shellfish poison in mussels: Comparison of methods of detection and determination of the effectiveness of depuration." International Journal of Food Microbiology **24**(1): 337-342.

Cruzeiro, C., M. Lopes-Marques, R. Ruivo, N. Rodrigues-Oliveira, M. M. Santos, M. J. Rocha, E. Rocha and L. F. C. Castro (2016). "A mollusk VDR/PXR/CAR-like (NR1J) nuclear receptor provides insight into ancient detoxification mechanisms." Aquatic Toxicology **174**: 61-69.

Cruz-Rivera, E. and T. A. Villareal (2006). "Macroalgal palatability and the flux of ciguatera toxins through marine food webs." Harmful Algae **5**(5): 497-525.

Cummins, T. R., Y. Xia and G. G. Haddad (1994). "FUNCTIONAL-PROPERTIES OF RAT AND HUMAN NEOCORTICAL VOLTAGE-SENSITIVE SODIUM CURRENTS." Journal of Neurophysiology **71**(3): 1052-1064.

Cunha, D. G. F., W. K. Dodds and S. A. Loisellec (2018). "Factors related to water quality and thresholds for microcystin concentrations in subtropical Brazilian reservoirs." Inland Waters **8**(3): 368-380.

Dabrowski, T., K. Lyons, C. Cusack, G. Casal, A. Berry and G. D. Nolan (2016). "Ocean modelling for aquaculture and fisheries in Irish waters." Ocean Science **12**(1): 101-116.

D'Agostino, P. M., X. M. Song, B. A. Neilan and M. C. Moffitt (2016). "Proteogenomics of a saxitoxin-producing and non-toxic strain of *Anabaena circinalis* (cyanobacteria) in response to extracellular NaCl and phosphate depletion." Environmental Microbiology **18**(2): 461-476.

D'Agostino, V. C., B. Krock, M. Degrati, V. Sastre, N. Santinelli, T. Krohn and M. S. Hoffmeyer (2019). "Occurrence of Toxigenic Microalgal Species and Phycotoxin Accumulation in Mesozooplankton in Northern Patagonian Gulfs, Argentina." Environmental Toxicology and Chemistry **38**(10): 2209-2223.

Dai, L., D. P. Wei, J. D. Zhang, T. Y. Shen, Y. M. Zhao, J. Q. Liang, W. T. Ma, L. M. Zhang, Q. L. Liu and Y. Zheng "Aptamer-conjugated mesoporous polydopamine for docetaxel targeted delivery and synergistic photothermal therapy of prostate cancer." Cell Proliferation: 11.

Dam, H. G. and S. T. Haley (2011). "Comparative dynamics of paralytic shellfish toxins (PST) in a tolerant and susceptible population of the copepod *Acartia hudsonica*." Harmful Algae **10**(3): 245-253.

D'Angelo, E. (2019). "Development and evaluation of a sensitive, Diffusive Gradients in Thin-Films (DGT) method for determining microcystin-LR concentrations in freshwater and seawater." Harmful Algae **89**: 9.

Daniel, E. E., V. Gaspar, I. Berezin and C. Y. Kwan (1995). "CHARACTERIZATION OF ALPHA(2) ADRENOCEPTORS AND OTHER ADRENOCEPTORS IN MEMBRANES ISOLATED FROM DOG MESENTERIC NERVE AXONS." Journal of Pharmacology and Experimental Therapeutics **275**(2): 978-986.

Daraei, B., M. Aghvami, J. Pourahmad and R. Dinarvand (2017). "A Comparison of Hepatocyte Cytotoxic Mechanisms for Docetaxel and PLGA-Docetaxel Nanoparticles." Iranian Journal of Pharmaceutical Research **16**(1): 249-265.

Darius, H., J. Viallon, C. Gatti, M. Chinain, M. Roué, M. Sibat, Z. Amzil, P. Hess, M. Vandersea, R. Litaker and P. Tester (2018). "Contribution of marine invertebrates to Ciguatera poisoning : the case study of French Polynesia." Harmful algae news(60): 6-7.

Darius, H. T., T. Revel, P. Cruchet, J. Viallon, C. M. I. Gatti, M. Sibat, P. Hess and M. Chinain (2021). "Deep-Water Fish Are Potential Vectors of Ciguatera Poisoning in the Gambier Islands, French Polynesia." Marine Drugs **19**(11).

Darius, H. T., M. Roue, M. Sibat, J. Viallon, C. M. I. Gatti, M. W. Vandersea, P. A. Tester, R. W. Litaker, Z. Amzil, P. Hess and M. Chinain (2018). "Tectus niloticus (Tegulidae, Gastropod) as a Novel Vector of Ciguatera Poisoning: Detection of Pacific Ciguatoxins in Toxic Samples from Nuku Hiva Island (French Polynesia)." Toxins **10**(1).

Darius, H. T., M. Roue, M. Sibat, J. Viallon, C. M. I. Gatti, M. W. Vandersea, P. A. Tester, R. W. Litaker, Z. Amzil, P. Hess and M. Chinain (2018). "Toxicological Investigations on the Sea Urchin Tripneustes gratilla (Toxopneustidae, Echinoid) from Anaho Bay (Nuku Hiva, French Polynesia): Evidence for the Presence of Pacific Ciguatoxins." Marine Drugs **16**(4).

Darke, S., J. Ross, M. Lynskey and M. Teesson (2004). "Attempted suicide among entrants to three treatment modalities for heroin dependence in the Australian Treatment Outcome Study (ATOS): prevalence and risk factors." Drug and Alcohol Dependence **73**(1): 1-10.

Darwish, M. A., H. K. Abdulrahim, A. S. Hassan and B. Shomar (2016). "Reverse osmosis desalination system and algal blooms Part I: harmful algal blooms (HABs) species and toxicity." Desalination and Water Treatment **57**(54): 25859-25880.

Daum, G., B. Schmid, C. Mackintosh, P. Cohen and H. W. Hofer (1992). "CHARACTERIZATION OF THE MAJOR PHOSPHOFRUCTOKINASE DEPHOSPHORYLATING PROTEIN PHOSPHATASES FROM ASCARIS-SUUM MUSCLE." Biochimica Et Biophysica Acta **1122**(1): 23-32.

Davidson, K. and J. Fehling (2006). "Modelling the influence of silicon and phosphorus limitation on the growth and toxicity of Pseudo-nitzschia seriata." African Journal of Marine Science **28**(2): 357-360.

Davies, P., P. Baron, K. Salomon, C. Bideaud, J. P. Labbe, S. Toumit, M. Francois, F. Grosjean, T. Bunsell and A. G. Moysan (2008). "Influence of fibre stiffness on deepwater mooring line response." OMAE 2008: proceedings of the 27th international conference on offshore mechanics and arctic engineering - 2008, vol 1 **1**: 179-187.

Davis, T. W., P. T. Orr, G. L. Boyer and M. A. Burford (2014). "Investigating the production and release of cylindrospermopsin and deoxy-cylindrospermopsin by *Cylindrospermopsis raciborskii* over a natural growth cycle." *Harmful Algae* **31**: 18-25.

de Almeida, C. R., F. B. Spiandorello, D. Giroaldo and J. S. Yunes (2016). "The effectiveness of conventional water treatment in removing *Ceratium furcoides* (Levander) Langhans, *Microcystis* sp and microcystins." *Water Sa* **42**(4): 606-611.

De Bock, M. F. S., G. S. D. Moraes, R. G. D. Almeida, K. D. D. Vieira, K. R. Santoro, A. J. D. Bicudo and R. J. R. Molica (2020). "Exposure of Nile Tilapia (*Oreochromis niloticus*) Fingerlings to a Saxitoxin-Producing Strain of *Raphidiopsis* (*Cylindrospermopsis*) *raciborskii* (*Cyanobacterium*) Reduces Growth Performance and Increases Mortality Rate." *Environmental Toxicology and Chemistry* **39**(7): 1409-1420.

de Boer, P., M. Giele, M. Lock, D. G. de Rooij, J. Giltay, R. Hochstenbach and E. R. te Velde (2004). "Kinetics of meiosis in azoospermic males: a joint histological and cytological approach." *Cytogenetic and Genome Research* **105**(1): 36-46.

de Jesus, J. S. and T. R. de Aguiar (2020). "Biological Removal of Micropollutants in Human Supply Water Samples Using Nitrifying and Denitrifying Bacteria." *Water Air and Soil Pollution* **231**(3): 15.

De Julio, M., D. A. Fioravante, T. S. De Julio, F. I. Oroski and N. J. D. Graham (2010). "A METHODOLOGY FOR OPTIMISING THE REMOVAL OF CYANOBACTERIA CELLS FROM A BRAZILIAN EUTROPHIC WATER." *Brazilian Journal of Chemical Engineering* **27**(1): 113-126.

de la Cruz, A. A., A. Hiskia, T. Kaloudis, N. Chernoff, D. Hill, M. G. Antoniou, X. X. He, K. Loftin, K. O'Shea, C. Zhao, M. Pelaez, C. Han, T. J. Lynch and D. D. Dionysiou (2013). "A review on cylindrospermopsin: the global occurrence, detection, toxicity and degradation of a potent cyanotoxin." *Environmental Science-Processes & Impacts* **15**(11): 1979-2003.

de Lucena-Silva, D., J. Molozzi, J. D. Severiano, V. Becker and J. E. D. Barbosa (2019). "Removal efficiency of phosphorus, cyanobacteria and cyanotoxins by the "flock & sink" mitigation technique in semi-arid eutrophic waters." *Water Research* **159**: 262-273.

de Montaudouin, X., M. Lucia, C. Binias, M. Lassudrie, M. Baudrimont, A. Legeay, N. Raymond, F. Jude-Lemeilleur, C. Lambert, N. Le Goic, F. Garabetian, P. Gonzalez, H. Hegaret, P. Lassus, W. Mehdioub, L. Bourasseau, G. Daffe, I. Paul-Pont, M. Plus, V. T. Do, G. Meisterhans, N. Mesmer-Dudons, N. Caill-Milly, F. Sanchez and P. Soudant (2016). "Why is Asari (= Manila) clam *Ruditapes philippinarum* fitness poor in Arcachon Bay: a meta-analysis to answer?" *Estuarine Coastal And Shelf Science* **179**: 226-235.

De Rrasmo, D., G. Gattoni, F. Papa, A. Santeramo, C. Pacelli, T. Cocco, L. Micelli, N. Sardaro, M. Larizza, M. Scivetti, S. Milano and A. Signorile (2011). "The beta-adrenoceptor agonist isoproterenol promotes the activity of respiratory chain complex I and lowers cellular reactive oxygen species in fibroblasts and heart myoblasts." *European Journal of Pharmacology* **652**(1-3): 15-22.

de Salomon, Y. L. O., J. Geordin, D. S. P. Franco, M. S. Netto, E. L. Foletto, D. Allasia and G. L. Dotto (2021). "Application of seed residues from *Anadenanthera macrocarpa* and *Cedrela fissilis* as alternative adsorbents for remarkable removal of methylene blue dye in aqueous solutions." *Environmental Science and Pollution Research* **28**(2): 2342-2354.

Dearborn, D. S. P., M. B. Syal, B. W. Barbee, G. Gisler, K. Greenaugh, K. M. Howley, R. Leung, J. Lyzloft, P. L. Miller, J. A. Nuth, C. S. Plesko, B. D. Seery, J. V. Wasem, R. P. Weaver and M. Zebenay (2020). "Options and uncertainties in planetary defense: Impulse-dependent response and the physical properties of asteroids." Acta Astronautica **166**: 290-305.

Debucquet, G., R. Baron and M. Cardinal (2020). "Lay and scientific categorizations of new breeding techniques: Implications for food policy and genetically modified organism legislation." Public Understanding Of Science **29**(5): 524-543.

Decundo, J. M., S. N. Dieguez, F. A. Amanto, G. Martinez, D. S. P. Gaudio, M. B. F. Paggi, A. Romanelli and A. L. Soraci (2021). "Potential interactions between an oral fosfomycin formulation and feed or drinking water: Impact on bioavailability in piglets." Journal of Veterinary Pharmacology and Therapeutics **44**(5): 783-792.

Dell'Aversano, C., P. Hess and M. Quilliam (2005). "Hydrophilic interaction liquid chromatography-mass spectrometry for the analysis of paralytic shellfish poisoning (PSP) toxins." Journal Of Chromatography A **1081**(2): 190-201.

Delp, E. E., S. Swamynathan, W. W. Kao and S. K. Swamynathan (2015). "Spatiotemporally Regulated Ablation of Klf4 in Adult Mouse Corneal Epithelial Cells Results in Altered Epithelial Cell Identity and Disrupted Homeostasis." Investigative Ophthalmology & Visual Science **56**(6): 3549-3558.

Deng, R., Y. Yue, F. Jin, Y. C. Chen, H. F. Kung, M. C. M. Lin and C. Wu (2009). "Revisit the complexation of PEI and DNA - How to make low cytotoxic and highly efficient PEI gene transfection non-viral vectors with a controllable chain length and structure?" Journal of Controlled Release **140**(1): 40-46.

Deng, Y., M. Y. Wu, H. Q. Zhang, L. Zheng, Y. Acosta and T. T. D. Hsu (2017). "Addressing harmful algal blooms (HABs) impacts with ferrate(VI): Simultaneous removal of algal cells and toxins for drinking water treatment." Chemosphere **186**: 757-761.

Derolez, V., D. Soudant, N. Malet, C. Chiantella, M. Richard, E. Abadie, C. Aliaume and B. Bec (2020). "Two decades of oligotrophication: Evidence for a phytoplankton community shift in the coastal lagoon of Thau (Mediterranean Sea, France)." Estuarine Coastal and Shelf Science **241**: 14.

Devi, D. S. P., J. Thekkedath and S. K. N. Kutty (2012). "Synthesis and Characterization of Conducting Composites of Polypyrrole/Polypyrrole-Coated Short Nylon Fiber and Natural Rubber." Polymer-Plastics Technology and Engineering **51**(8): 823-831.

Dhanikula, A. B., N. M. Khalid, S. D. Lee, R. Yeung, V. Risovic, K. M. Wasan and J. C. Leroux (2007). "Long circulating lipid nanocapsules for drug detoxification." Biomaterials **28**(6): 1248-1257.

Dhanji-Rapkova, M., A. Oneill, B. H. Maskrey, L. Coates, S. C. Swan, M. T. Alves, R. J. Kelly, R. G. Hatfield, S. J. Rowland-Pilgrima, A. M. Lewis and A. D. Turner (2019). "Variability and profiles of lipophilic toxins in bivalves from Great Britain during five and a half years of monitoring: azaspiracids and yessotoxins." Harmful Algae **87**: 18.

Dia, S., I. Alameddine and M. El-Fadel (2019). "Quantifying the efficacy of diquat dibromide in controlling *Microcystis aeruginosa* and *Aphanizomenon flos-aquae* in comparison to copper sulfate and potassium permanganate." *Environmental Science-Water Research & Technology* **5**(1): 140-151.

Dias, D. F. C., R. G. Passos and M. von Sperling (2017). "A review of bacterial indicator disinfection mechanisms in waste stabilisation ponds." *Reviews in Environmental Science and Bio-Technology* **16**(3): 517-539.

Diecke, F. P., Q. Wen, P. Iserovich, J. F. Li, K. Kuang and J. Fischbarg (2005). "Regulation of Na-K-2Cl cotransport in cultured bovine corneal endothelial cells." *Experimental Eye Research* **80**(6): 777-785.

Diel, J. C., D. S. P. Franco, I. D. Nunes, H. A. Pereira, K. S. Moreira, T. A. D. Burgo, E. L. Foletto and G. L. Dotto (2021). "Carbon nanotubes impregnated with metallic nanoparticles and their application as an adsorbent for the glyphosate removal in an aqueous matrix." *Journal of Environmental Chemical Engineering* **9**(2): 13.

Dietrich, D. and S. Hoeger (2005). "Guidance values for microcystins in water and cyanobacterial supplement products (blue-green algal supplements): a reasonable or misguided approach?" *Toxicology and Applied Pharmacology* **203**(3): 273-289.

Dietrich, D. R., A. Fischer, C. Michel and S. J. Hoeger (2008). Toxin mixture in cyanobacterial blooms - a critical comparison of reality with current procedures employed in human health risk assessment. *Cyanobacterial Harmful Algal Blooms: State of the Science and Research Needs*. H. K. Hudnell. Berlin, Springer-Verlag Berlin. **619**: 885-912.

Ding, L., J. B. Qiu and A. F. Li (2017). "Proposed Biotransformation Pathways for New Metabolites of Paralytic Shellfish Toxins Based on Field and Experimental Mussel Samples." *Journal of Agricultural and Food Chemistry* **65**(27): 5494-5502.

Ding, Q., X. Song, M. Yuan, R. Sun, J. Zhang, L. Yin and Y. Pu (1800). "Removal of microcystins from water and primary treatment technologies - A comprehensive understanding based on bibliometric and content analysis, 1991-2020." *Journal of environmental management* **305**: 114349.

Ding, W. X., H. M. Shen, H. G. Zhu and C. N. Ong (1998). "Studies on oxidative damage induced by cyanobacteria extract in primary cultured rat hepatocytes." *Environmental Research* **78**(1): 12-18.

Dinh, Q. T., G. Munoz, D. F. Simon, S. V. Duy, B. Husk and S. Sauve (2021). "Stability issues of microcystins, anabaenopeptins, anatoxins, and cylindrospermopsin during short-term and long-term storage of surface water and drinking water samples." *Harmful Algae* **101**: 9.

Dixit, F., B. Barbeau and M. Mohseni (2018). "Characteristics of competitive uptake between Microcystin-LR and natural organic matter (NOM) fractions using strongly basic anion exchange resins." *Water Research* **139**: 74-82.

Dixit, F., B. Barbeau and M. Mohseni (2020). "Impact of natural organic matter characteristics and inorganic anions on the performance of ion exchange resins in natural waters." *Water Supply* **20**(8): 3107-3119.

Dixon, M. B., Y. Richard, L. Ho, C. W. K. Chow, B. K. O'Neill and G. Newcombe (2011). "A coagulation-powdered activated carbon-ultrafiltration - Multiple barrier approach for removing

toxins from two Australian cyanobacterial blooms." Journal of Hazardous Materials **186**(2-3): 1553-1559.

Dixon, M. B., Y. Richard, L. Ho, C. W. K. Chow, B. K. O'Neill and G. Newcombe (2011). "Integrated membrane systems incorporating coagulation, activated carbon and ultrafiltration for the removal of toxic cyanobacterial metabolites from *Anabaena circinalis*." Water Science and Technology **63**(7): 1405-1411.

Djaoued, Y., J. Robichaud, M. Thibodeau, S. Balaji, N. Tchoukanova and S. S. Bates (2009). "Photocatalytic properties of nanocrystalline titanium dioxide films in the degradation of domoic acid in aqueous solution: potential for use in molluscan shellfish biotoxin depuration facilities." Food Additives and Contaminants Part a-Chemistry Analysis Control Exposure & Risk Assessment **26**(2): 248-257.

Dobransky, T. and R. J. Rylett (2005). "A model for dynamic regulation of choline acetyltransferase by phosphorylation." Journal of Neurochemistry **95**(2): 305-313.

Dodson, P. D., M. C. Barker and I. D. Forsythe (2002). "Two heteromeric Kv1 potassium channels differentially regulate action potential firing." Journal of Neuroscience **22**(16): 6953-6961.

Dolson, J., S. D. Burley, V. R. Sunder, V. Kothari, B. Naidu, N. P. Whiteley, P. Farrimond, A. Taylor, N. Direen and B. Ananthakrishnan (2015). "The discovery of the Barmer Basin, Rajasthan, India, and its petroleum geology." Aapg Bulletin **99**(3): 433-465.

Dominov, J. A., L. Stenzler, S. Lee, J. J. Schwarz, S. Leisner and S. H. Howell (1992). "CYTOKININS AND AUXINS CONTROL THE EXPRESSION OF A GENE IN NICOTIANA-PLUMBAGINIFOLIA CELLS BY FEEDBACK-REGULATION." Plant Cell **4**(4): 451-461.

Dong, Y. and F. J. White (2003). "Dopamine D1-class receptors selectively modulate a slowly inactivating potassium current in rat medial prefrontal cortex pyramidal neurons." Journal of Neuroscience **23**(7): 2686-2695.

Donovan, C. J., R. A. Garduno, M. Kalmokoff, J. C. Ku, M. A. Quilliam and T. A. Gill (2009). "Pseudoalteromonas Bacteria Are Capable of Degrading Paralytic Shellfish Toxins." Applied and Environmental Microbiology **75**(21): 6919-6923.

Donovan, C. J., J. C. Ku, M. A. Quilliam and T. A. Gill (2008). "Bacterial degradation of paralytic shellfish toxins." Toxicon **52**(1): 91-100.

Dornetshuber-Fleiss, R., P. Heffeter, T. Mohr, P. Hazemi, K. Kryeziu, C. Seger, W. Berger and R. Lemmens-Gruber (2013). "Destruixins: Fungal-derived cyclohexadepsipeptides with multifaceted anticancer and antiangiogenic activities." Biochemical Pharmacology **86**(3): 361-377.

Dou, M., Y. H. Jiao, J. W. Zheng, G. Zhang, H. Y. Li, J. S. Liu and W. D. Yang (2020). "De novo transcriptome analysis of the mussel *Perna viridis* after exposure to the toxic dinoflagellate *Prorocentrum lima*." Ecotoxicology and Environmental Safety **192**: 10.

Doucette, G. J., L. K. Medlin, P. McCarron and P. Hess (2018). *Detection and Surveillance of Harmful Algal Bloom Species and Toxins*, John Wiley & Sons.

Doucette, G. J., L. K. Medlin, P. McCarron and P. Hess (2018). Detection and Surveillance of Harmful Algal Bloom Species and Toxins. Harmful Algal Blooms - a compendium desk reference. S. E. Shumway, J. M. Burkholder and S. L. Morton, John Wiley & Sons, Ltd.

Doucette, T. A., C. L. Ryan and R. A. Tasker (2007). "Gender-based changes in cognition and emotionality in a new rat model of epilepsy." Amino Acids **32**(3): 317-322.

Doudard, K., L. Chim, A. Arhaliass, C. Przybyla and R. Baron (2018). Manufacture of "fresh/wet" aquaculture feeds based on by-catches, fish by-products and algae. AQUA 2018 - World Aquaculture Society Meetings. August 25-29 2018, Montpellier, France.

Doudard, K., L. Chim, A. Arhaliass, P. Trintignac, P. Garsi, G. Le Reste, J. Legrand and R. Baron (2019). PROJETA\_FISH: Développement et évaluation d'un aliment piscicole frais et humide à base de rejets de pêche et de coproduits de poissons. JRFP - 6ièmes Journées de la Recherche Filière Piscicole. 02-03 juillet 2019, Paris.

Doudard, K., L. Chim, A. Arhaliass, P. Trintignac, P. Garsi, J. Legrand and R. Baron (2019). Fabrication d'un aliment piscicole frais et humide à base de captures accessoires et de coproduits de poissons. SFGP 2019 - XVIIème Congrès de la Société Française de Génie des Procédés . 15-17 Octobre 2019, Nantes.

Doudard, K., L. Chim, A. Arhaliass, P. Trintignac, P. Garsi, J. Legrand and R. Baron (2019). Manufacture of "fresh/wet" aquaculture feeds based on marine by-product including fishing by-catches. 49th WEFTA Conference (West European Fish Technologists Association) "Blue Value Creation, Bioeconomy, Health and Safety". 14-18 October 2019, Faroe Islands.

Dounay, A. B. and C. J. Forsyth (2001). "Synthetic studies toward the C5-C20 domain of the azaspiracids." Organic Letters **3**(7): 975-978.

Dounay, A. B., R. A. Urbanek, V. A. Frydrychowski and C. J. Forsyth (2001). "Expedient access to the okadaic acid architecture: A novel synthesis of the C1-C27 domain." Journal of Organic Chemistry **66**(3): 925-938.

Dowd, L. A. and M. B. Robinson (1996). "Rapid stimulation of EAAC1-mediated Na<sup>+</sup>-dependent L-glutamate transport activity in C6 glioma cells by phorbol ester." Journal of Neurochemistry **67**(2): 508-516.

Draper, W. M., D. D. Xu, P. Behniwal, M. J. McKinney, P. Jayalath, J. S. Dhoot and D. Wijekoon (2013). "Optimizing LC-MS-MS determination of microcystin toxins in natural water and drinking water supplies." Analytical Methods **5**(23): 6796-6806.

Drikas, M., C. W. K. Chow, J. House and M. D. Burch (2001). "Using coagulation, flocculation, and settling to remove toxic cyanobacteria." Journal American Water Works Association **93**(2): 100-111.

Drum, A. S., T. L. Siebens, E. A. Crecelius and R. A. Elston (1993). "DOMOIC ACID IN THE PACIFIC RAZOR CLAM SILIQUA-PATULA (DIXON, 1789)." Journal of Shellfish Research **12**(2): 443-450.

Drumm, F. C., D. S. P. Franco, J. Georgan, P. Grassi, S. L. Jahn and G. L. Dotto (2021). "Macro-fungal (*Agaricus bisporus*) wastes as an adsorbent in the removal of the acid red 97 and crystal violet dyes from ideal colored effluents." Environmental Science and Pollution Research **28**(1): 405-415.

Drumm, F. C., D. S. P. Franco, P. Grassi, J. Georgin, E. L. Foletto, G. L. Dotto and S. L. Jahn "Effective adsorptive removal of textile pollutant using coal bottom ash with high surface area obtained by alkaline fusion route." Environmental Technology: 12.

Drumm, F. C., P. Grassi, J. Georgin, D. Tonato, D. S. P. Franco, J. R. C. Neto, M. A. Mazutti, S. L. Jahn and G. L. Dotto (2019). "Potentiality of the Phoma sp. inactive fungal biomass, a waste from the bioherbicide production, for the treatment of colored effluents." Chemosphere **235**: 596-605.

Du, J. J., G. Z. Pu, C. Shao, S. J. Cheng, J. Cai, L. Zhou, Y. Jia and X. J. Tian (2015). "Potential of extracellular enzymes from *Trametes versicolor* F21 a in *Microcystis* spp. degradation." Materials Science & Engineering C-Materials for Biological Applications **48**: 138-144.

Du, M. M., Z. L. Li, J. Wang, F. B. Wang, S. J. Zan and C. Gu (2022). "Anaerobic biotransformation mechanism of marine toxin domoic acid." Journal of Hazardous Materials **421**: 7.

Duan, X. D., T. Sanan, A. de la Cruz, X. X. He, M. H. Kong and D. D. Dionysiou (2018). "Susceptibility of the Algal Toxin Microcystin-LR to UV/Chlorine Process: Comparison with Chlorination." Environmental Science & Technology **52**(15): 8252-8262.

Dubrawski, K. L., M. Cataldo, Z. Dubrawski, A. Mazumder, D. P. Wilkinson and M. Mohseni (2018). "In-situ electrochemical Fe(VI) for removal of microcystin-LR from drinking water: comparing dosing of the ferrate ion by electrochemical and chemical means." Journal of Water and Health **16**(3): 414-424.

Duinker, A., M. Bergslien, O. Strand, C. D. Olseng and A. Svardal (2007). "The effect of size and age on depuration rates of diarrhetic shellfish toxins (DST) in mussels (*Mytilus edulis* L.)." Harmful Algae **6**(2): 288-300.

Dumaine, R. and H. Hartmann (1996). "Two conformational states involved in the use-dependent TTX blockade of human cardiac Na<sup>+</sup> channel." American Journal of Physiology-Heart and Circulatory Physiology **270**(6): H2029-H2037.

Dumermuth, E. and H. P. H. Moore (1998). "Analysis of constitutive and constitutive-like secretion in semi-intact pituitary cells." Methods **16**(2): 188-197.

Dutz, J. (1998). "Repression of fecundity in the neritic copepod *Acartia clausi* exposed to the toxic dinoflagellate *Alexandrium lusitanicum*: relationship between feeding and egg production." Marine Ecology Progress Series **175**: 97-107.

Dwivedi, S., R. Nagarajan, K. Hanif, H. H. Siddiqui, C. Nath and R. Shukla (2013). "Standardized Extract of Bacopa monniera Attenuates Okadaic Acid Induced Memory Dysfunction in Rats: Effect on Nrf2 Pathway." Evidence-Based Complementary and Alternative Medicine **2013**: 18.

Dwivedi, S., N. Rajasekar, K. Hanif, C. Nath and R. Shukla (2016). "Sulforaphane Ameliorates Okadaic Acid-Induced Memory Impairment in Rats by Activating the Nrf2/HO-1 Antioxidant Pathway." Molecular Neurobiology **53**(8): 5310-5323.

Eckersley, E. and B. W. Berger (2018). "An engineered polysaccharide lyase to combat harmful algal blooms." Biochemical Engineering Journal **132**: 225-232.

Edwards, B. S., M. S. Curry, E. A. Southon, A. S. F. Chong and L. H. Graf (1995). "EVIDENCE FOR A DITHIOL-ACTIVATED SIGNALING PATHWAY IN NATURAL-KILLER-CELL AVIDITY REGULATION OF LEUKOCYTE FUNCTION ANTIGEN-1 - STRUCTURAL REQUIREMENTS AND RELATIONSHIP TO PHORBOL ESTER-TRIGGERED AND CD16-TRIGGERED PATHWAYS." Blood **86**(6): 2288-2301.

Edwards, C. and L. A. Lawton (2009). Bioremediation of Cyanotoxins. Advances in Applied Microbiology, Vol 67. A. I. Laskin. San Diego, Elsevier Academic Press Inc. **67**: 109-129.

Edwards, D. P., N. L. Weigel, S. K. Nordeen and C. A. Beck (1993). "MODULATORS OF CELLULAR PROTEIN-PHOSPHORYLATION ALTER THE TRANSACTIVATION FUNCTION OF HUMAN PROGESTERONE-RECEPTOR AND THE BIOLOGICAL-ACTIVITY OF PROGESTERONE ANTAGONISTS." Breast Cancer Research and Treatment **27**(1-2): 41-56.

Ehlers, A., J. Scholz, A. These, S. Hessel, A. Preiss-Weigert and A. Lampen (2011). "Analysis of the passage of the marine biotoxin okadaic acid through an in vitro human gut barrier." Toxicology **279**(1-3): 196-202.

Ehlers, A., A. These, S. Hessel, A. Preiss-Weigert and A. Lampen (2014). "Active elimination of the marine biotoxin okadaic acid by P-glycoprotein through an in vitro gastrointestinal barrier." Toxicology Letters **225**(2): 311-317.

Eilon, M. G. (2004). "Variation in field-dependence of magnetic reversal mechanism with interspin coupling and system size for a two-dimensional classical Ising lattice with barrier dynamics." Physical Review B **70**(5): 14.

Eissa, M. S., H. R. Abd El-Hadi, H. E. Zaazaa and B. M. Eltanany (2020). "Smart TLC-densitometric methods for determination of ophthalmic ternary mixture containing chloramphenicol in the presence of its synthetic precursor: Comparative eco-scaling for greenness assessment." Jpc-Journal of Planar Chromatography-Modern Tlc **33**(5): 501-509.

Eke, J., P. Wagh and I. C. Escobar (2018). "Ozonation, biofiltration and the role of membrane surface charge and hydrophobicity in removal and destruction of algal toxins at basic pH values." Separation and Purification Technology **194**: 56-63.

El-Din, S. M. M., N. H. Noaman and S. H. Zaky (2016). "Effects of Chloramphenicol, Clofibric Acid, Acetyl Salicylic Acid, Nonylphenol and Bisphenol on the Protein Profile and Ultrastructure of Marine Macroalgae *Pterocladia capillacea* and *Ulva lactuca*." Egyptian Journal of Botany **56**(1): 335-351.

Elliott, M. C. (2000). "Saturated oxygen heterocycles." Journal of the Chemical Society-Perkin Transactions **1**(9): 1291-1318.

Eloy, J. O., A. Ruiz, F. T. de Lima, R. Petrilli, G. Raspantini, K. A. B. Nogueira, E. Santos, C. S. de Oliveira, J. C. Borges, J. M. Marchetti, W. T. Al-Jamal and M. Chorilli (2020). "EGFR-targeted immunoliposomes efficiently deliver docetaxel to prostate cancer cells." Colloids and Surfaces B-Biointerfaces **194**: 12.

Ernsting, M. J., W. L. Tang, N. MacCallum and S. D. Li (2011). "Synthetic Modification of Carboxymethylcellulose and Use Thereof to Prepare a Nanoparticle Forming Conjugate of Docetaxel for Enhanced Cytotoxicity against Cancer Cells." Bioconjugate Chemistry **22**(12): 2474-2486.

Espina, B., M. C. Louzao, E. Cagide, A. Alfonso, M. R. Vieytes, T. Yasumoto and L. M. Botana (2010). "The methyl ester of okadaic acid is more potent than okadaic acid in disrupting the actin cytoskeleton and metabolism of primary cultured hepatocytes." British Journal of Pharmacology **159**(2): 337-344.

Estevez, M. D., A. Alfonso, M. R. Vieytes, M. C. Louzao and L. M. Botana (1995). "STUDY OF THE ACTIVATION MECHANISM OF HUMAN GRF(1-29)NH<sub>2</sub> ON RAT MAST-CELL HISTAMINE-RELEASE." Inflammation Research **44**(2): 87-91.

Estevez, P., D. Castro, J. M. Leão-Martins, M. Sibat, A. Tudó, R. Dickey, J. Diogene, P. Hess and A. Gago-Martinez (2021). "Toxicity Screening of a *Gambierdiscus australis* Strain from the Western Mediterranean Sea and Identification of a Novel Maitotoxin Analogue." Marine Drugs **19**(8).

Estevez, P., M. Sibat, J. M. Leão-Martins, P. Reis Costa, A. Gago-Martínez and P. Hess (2020). "Liquid Chromatography Coupled to High-Resolution Mass Spectrometry for the Confirmation of Caribbean Ciguatoxin-1 as the Main Toxin Responsible for Ciguatera Poisoning Caused by Fish from European Atlantic Coasts." Toxins **12**(4).

Estevez, P., M. Sibat, J. M. Leão-Martins, A. Tudó, M. Rambla-Alegre, K. Aligizaki, J. Diogène, A. Gago-Martinez and P. Hess (2020). "Use of Mass Spectrometry to Determine the Diversity of Toxins Produced by *Gambierdiscus* and *Fukuyoa* Species from Balearic Islands and Crete (Mediterranean Sea) and the Canary Islands (Northeast Atlantic)." Toxins **12**(5).

Estrada, N. A., N. Lagos, C. Garcia, A. N. Maeda-Martinez and F. Ascencio (2007). "Effects of the toxic dinoflagellate *Gymnodinium catenatum* on uptake and fate of paralytic shellfish poisons in the Pacific giant lions-paw scallop *Nodipecten subnodosus*." Marine Biology **151**(4): 1205-1214.

Etrych, T., M. Sirova, L. Starovoytova, B. Rihova and K. Ulbrich (2010). "HPMA Copolymer Conjugates of Paclitaxel and Docetaxel with pH-Controlled Drug Release." Molecular Pharmaceutics **7**(4): 1015-1026.

Etxabide, A., J. J. J. Long, P. Guerrero, K. de la Caba and A. Seyfoddin (2019). "3D printed lactose-crosslinked gelatin scaffolds as a drug delivery system for dexamethasone." European Polymer Journal **114**: 90-97.

Everson, S., L. Fabbro, S. Kinnear, G. Eaglesham and P. Wright (2009). "Distribution of the cyanobacterial toxins cylindrospermopsin and deoxycylindrospermopsin in a stratified lake in north-eastern New South Wales, Australia." Marine and Freshwater Research **60**(1): 25-33.

Everts, H., A. Swanepoel and H. H. du Preez (2013). "Efficacy of conventional drinking water treatment processes in removing problem-causing phytoplankton and associated organic compounds." Water Sa **39**(5): 739-749.

Fabioux, C., Y. Sulistiyan, H. Haberkorn, H. Hegaret, Z. Amzil and P. Soudant (2015). "Exposure to toxic *Alexandrium minutum* activates the detoxifying and antioxidant systems in gills of the oyster *Crassostrea gigas*." Harmful Algae **48**: 55-62.

Falchier, M., P. Lassus, M. Bardouil, L. Le Dean, P. Truquet and G. Bocquene (1982). Sensibilité thermique d'un copépode harpacticoidé : *Tigriopus brevicornis* Müller, ISTPM.

Falconer, I. R. (1999). "An overview of problems caused by toxic blue-green algae (cyanobacteria) in drinking and recreational water." Environmental Toxicology **14**(1): 5-12.

Falconer, I. R. (2001). "Toxic cyanobacterial bloom problems in Australian waters: risks and impacts on human health." Phycologia **40**(3): 228-233.

Falconer, I. R. and A. R. Humpage (2006). "Cyanobacterial (Blue-Green algal) toxins in water supplies: Cylindrospermopsins." Environmental Toxicology **21**(4): 299-304.

Falfushynska, H., O. Horyn, I. Osypenko, P. Rzymski, L. Wejnerowski, M. K. Dziuba and I. M. Sokolova (2021). "Multibiomarker-based assessment of toxicity of central European strains of filamentous cyanobacteria *Aphanizomenon gracile* and *Raphidiopsis raciborskii* to zebrafish *Danio rerio*." Water Research **194**: 17.

Falk, W., K. Stricker, G. Praast, Y. Tsukitani, P. H. Krammer and M. Stoeck (1994). "ACTIVATION OF THE MOUSE IL-2 GENE BY OKADAIC ACID - SYNERGY WITH INTERLEUKIN-1." Lymphokine and Cytokine Research **13**(3): 167-174.

Faludi, T., A. Vasanits-Zsigrai, G. Zaray and I. Molnar-Perl (2015). "Identification, quantification and distribution of substituted phenols in the dissolved and suspended phases of water samples by gas chromatography tandem mass spectrometry: Derivatization, mass fragmentation and acquisition studies." Microchemical Journal **118**: 45-54.

Fan, B., L. P. Zhang, Z. H. Gao, Y. H. Zhang, J. Y. Shi and J. Z. Li (2016). "Formulation of a novel soybean protein-based wood adhesive with desired water resistance and technological applicability." Journal of Applied Polymer Science **133**(27): 10.

Fan, G. D., Z. Chen, L. Hong, B. H. Du, Z. S. Yan, J. J. Zhan, Y. F. You, R. S. Ning and H. S. Xiao (2020). "Simultaneous removal of harmful algal cells and toxins by a Ag<sub>2</sub>CO<sub>3</sub>-N: GO photocatalyst coating under visible light." Science of the Total Environment **741**: 13.

Fan, G. D., H. P. Peng, X. M. Zheng, J. Luo and W. Chen (2018). "Effects of ultrasonic irradiation on organic matter of *Microcystis aeruginosa* cells." Desalination and Water Treatment **129**: 101-115.

Fan, L., G. Sun, J. B. Qiu, Q. M. Ma, P. Hess and A. F. Li (2014). "Effect of seawater salinity on pore-size distribution on a poly(styrene)-based HP20 resin and its adsorption of diarrhetic shellfish toxins." Journal of Chromatography A **1373**: 1-8.

Fang, H., Y. Q. Xiang, Y. H. Hao, X. Q. Chu, X. D. Pan, J. Q. Yu and Y. L. Yu (2008). "Fungal degradation of chlorpyrifos by *Verticillium* sp DSP in pure cultures and its use in bioremediation of contaminated soil and pakchoi." International Biodeterioration & Biodegradation **61**(4): 294-303.

Farahmandghavi, F., M. Imani, H. Mirzadeh and C. Jolly (2012). "Curing behavior of silicone elastomer in the presence of two corticosteroid drugs." Journal of Biomedical Materials Research Part B-Applied Biomaterials **100B**(6): 1636-1644.

Fardell, J. E., J. Vardy and I. N. Johnston (2013). "The short and long term effects of docetaxel chemotherapy on rodent object recognition and spatial reference memory." Life Sciences **93**(17): 596-604.

Fardell, J. E., J. Zhang, R. De Souza, J. Vardy, I. Johnston, C. Allen, J. Henderson and M. Piquette-Miller (2014). "The impact of sustained and intermittent docetaxel chemotherapy regimens on cognition and neural morphology in healthy mice." Psychopharmacology **231**(5): 841-852.

Farinas, C. S., A. Leite and E. A. Miranda (2007). "Recombinant human proinsulin from transgenic corn endosperm: Solvent screening and extraction studies." Brazilian Journal of Chemical Engineering **24**(3): 315-323.

Farrell, H., W. O'Connor, F. Seebacher, D. T. Harwood and S. Murray (2016). "MOLECULAR DETECTION OF THE SXTA GENE FROM SAXITOXIN-PRODUCING ALEXANDRIUM MINUTUM IN COMMERCIAL OYSTERS." Journal of Shellfish Research **35**(1): 169-177.

Farrell, H., F. Seebacher, W. O'Connor, A. Zammit, D. T. Harwood and S. Murray (2015). "Warm temperature acclimation impacts metabolism of paralytic shellfish toxins from *Alexandrium minutum* in commercial oysters." Global Change Biology **21**(9): 3402-3413.

Fatemi, P. and S. J. Knabel (2006). "Evaluation of sanitizer penetration and its effect on destruction of *Escherichia coli* O157 : H7 in golden delicious apples." Journal of Food Protection **69**(3): 548-555.

Fathallah, H., E. Coezy, R. S. Deneef, M. D. Hardydessources and F. Giraud (1995). "INHIBITION OF DEOXYGENATION-INDUCED MEMBRANE-PROTEIN DEPHOSPHORYLATION AND CELL DEHYDRATION BY PHORBOL ESTERS AND OKADAIC ACID IN SICKLE CELLS." Blood **86**(5): 1999-2007.

Favre, I. and E. Moczydlowski (1999). "Simultaneous binding of basic peptides at intracellular sites on a large conductance Ca<sup>2+</sup>-activated K<sup>+</sup> channel - Equilibrium and kinetic basis of negatively coupled ligand interactions." Journal of General Physiology **113**(2): 295-320.

Favre, I., E. Moczydlowski and L. Schild (1996). "On the structural basis for ionic selectivity among Na<sup>+</sup>, K<sup>+</sup>, and Ca<sup>2+</sup> in the voltage-gated sodium channel." Biophysical Journal **71**(6): 3110-3125.

Fei, C. H., T. Wong, E. Morris, T. Liu and Ieee (2016). Recursive Regression and Wiener Deconvolution for Coagulation Optimization in Water Treatment Plant. IEEE International Conference on Digital Signal Processing (DSP), Beijing, PEOPLES R CHINA, Ieee.

Feitz, A. J., T. D. Waite, B. H. Boyden and G. J. Jones (2002). "Solar pilot-scale photocatalytic degradation of microcystin-LR." Journal of Advanced Oxidation Technologies **5**(1): 22-26.

Feitz, A. J., T. D. Waite, G. J. Jones, B. H. Boyden and P. T. Orr (1999). "Photocatalytic degradation of the blue green algal toxin microcystin-LR in a natural organic-aqueous matrix." Environmental Science & Technology **33**(2): 243-249.

Feng, B., C. B. Wang, X. Q. Wu, C. C. Tian, Y. Y. Tian and B. D. Xiao (2019). "Involvement of microcystins, colony size and photosynthetic activity in the benthic recruitment of *Microcystis*." Journal of Applied Phycology **31**(1): 223-233.

Fergusson, K. M. and C. P. Saint (2000). "Molecular phylogeny of *Anabaena circinalis* and its identification in environmental samples by PCR." Applied and Environmental Microbiology **66**(9): 4145-4148.

Ferrari, R., C. Artana, M. Saraceno, A. R. Piola and C. Provost (2017). "Satellite Altimetry and Current-Meter Velocities in the Malvinas Current at 41 degrees S: Comparisons and Modes of Variations." Journal of Geophysical Research-Oceans **122**(12): 9572-9590.

Ferreira, D. S. P., J. G. Ferreira, E. F. S. Filho and J. L. Princival (2016). "Tuning lipase-catalysed kinetic resolution of 2-substituted thiophenes and furans: A scalable chemoenzymatic route to masked gamma-bis-oxo-alcohols." Journal of Molecular Catalysis B-Enzymatic **126**: 37-45.

Ferreira, J., R. H. Cruvinel, E. Q. Silva, J. L. Verissimo, R. L. Monteiro, D. S. Pereira, E. Y. Suda, C. D. Sartor and I. C. N. Sacco (2020). "Study protocol for a randomized controlled trial on the effect of the Diabetic Foot Guidance System (SOPeD) for the prevention and treatment of foot musculoskeletal dysfunctions in people with diabetic neuropathy: the FOotCAre (FOCA) trial I." Trials **21**(1): 14.

Ferreiro, S. F., N. Vilarino, C. Carrera, M. C. Louzao, A. G. Cantalapiedra, G. Santamarina, J. M. Cifuentes, A. C. Vieira and L. M. Botana (2016). "Subacute Cardiovascular Toxicity of the Marine Phycotoxin Azaspiracid-1 in Rats." Toxicological Sciences **151**(1): 104-114.

Ferrero-Gutierrez, A., A. Perez-Gomez, A. Novelli and M. T. Fernandez-Sanchez (2008). "Inhibition of protein phosphatases impairs the ability of astrocytes to detoxify hydrogen peroxide." Free Radical Biology and Medicine **44**(10): 1806-1816.

Ferron, P. J., K. Hogeweegen, V. Fessard and L. Le Hegarat (2014). "Comparative Analysis of the Cytotoxic Effects of Okadaic Acid-Group Toxins on Human Intestinal Cell Lines." Marine Drugs **12**(8): 4616-4634.

Fervier, V., P. Urrutia-Cordero, E. Piano, F. Bona, K. M. Persson and L. A. Hansson (2020). "Evaluating Nutrient Reduction, Grazing and Barley Straw as Measures Against Algal Growth." Wetlands **40**(1): 193-202.

Fink, M., C. Schimek, M. Cserjan-Puschmann, D. Reinisch, C. Brocard, R. Hahn and G. Striedner (2021). "Integrated process development: The key to improve Fab production in *E. coli*." Biotechnology Journal **16**(6): 11.

Fitzgerald, D. J., D. A. Cunliffe and M. D. Burch (1999). "Development of health alerts for cyanobacteria and related toxins in drinking water in South Australia." Environmental Toxicology **14**(1): 203-209.

Flaherty, K. W., H. L. Walker, C. H. Britton and C. A. Lembi (2007). "Response of *Cylindrospermopsis raciborskii* and *Pseudanabaena limnetica* to a potential biological control agent, bacterium SG-3 (*Lysobacter cf brunescens*)."Lake and Reservoir Management **23**(3): 255-263.

Fleischer, A., A. Ghadiri, F. Dessauge, M. Duhamel, X. Cayla, A. Garcia and A. Rebollo (2004). "Bad-dependent rafts alteration is a consequence of an early intracellular signal triggered by interleukin-4 deprivation." Molecular Cancer Research **2**(12): 674-684.

Fleming, L. E., N. McDonough, M. Austen, L. Mee, M. Moore, P. Hess, M. H. Depledge, M. White, K. Philippart, P. Bradbrook and A. Smalley (2014). "Oceans and Human Health: A Rising Tide of Challenges and Opportunities for Europe." Marine Environmental Research **99**: 16-19.

Flynn, K. J., K. Flynn, E. H. John, B. Reguera, M. I. Reyero and J. M. Franco (1996). "Changes in toxins, intracellular and dissolved free amino acids of the toxic dinoflagellate *Gymnodinium catenatum* in response to changes in inorganic nutrients and salinity." *Journal of Plankton Research* **18**(11): 2093-2111.

Folcik, A. M., C. Klemashevich and S. D. Pillai (2021). "Response of *Microcystis aeruginosa* and *Microcystin-LR* to electron beam irradiation doses." *Radiation Physics and Chemistry* **186**: 8.

Folcik, A. M. and S. D. Pillai (2020). "A critical review of ionizing radiation technologies for the remediation of waters containing *Microcystin-LR* and *M. aeruginosa*." *Radiation Physics and Chemistry* **177**: 8.

Fomina, A. F., T. J. Deerinck, M. H. Ellisman and M. D. Cahalan (2003). "Regulation of membrane trafficking and subcellular organization of endocytic compartments revealed with FM1-43 in resting and activated human T cells." *Experimental Cell Research* **291**(1): 150-166.

Fonseca-De-Souza, A. L., C. F. Dick, A. L. A. Dos Santos and J. R. Meyer-Fernandes (2008). "A Mg<sup>2+</sup>-dependent ecto-phosphatase activity on the external surface of *Trypanosoma rangeli* modulated by exogenous inorganic phosphate." *Acta Tropica* **107**(2): 153-158.

Fontenay, M., M. Bryckaert and G. Tobelem (1992). "TRANSFORMING GROWTH FACTOR-BETA-1 INHIBITORY EFFECT OF PLATELET-DERIVED GROWTH-FACTOR INDUCED SIGNAL TRANSDUCTION ON HUMAN BONE-MARROW FIBROBLASTS - POSSIBLE INVOLVEMENT OF PROTEIN PHOSPHATASES." *Journal of Cellular Physiology* **152**(3): 507-519.

Fornai, F., M. G. Alessandri, M. T. Torracca, L. Bassi and G. U. Corsini (1997). "Effects of noradrenergic lesions on MPTP/MPP<sup>+</sup> kinetics and MPTP-induced nigrostriatal dopamine depletions." *Journal of Pharmacology and Experimental Therapeutics* **283**(1): 100-107.

Franco, D. S. P., J. M. Cunha, G. F. Dortzbacher and G. L. Dotto (2017). "Adsorption of Co(II) from aqueous solutions onto rice husk modified by ultrasound assisted and supercritical technologies." *Process Safety and Environmental Protection* **109**: 55-62.

Franco, D. S. P., J. Georgin, F. C. Drumm, M. S. Netto, D. Allasia, M. L. S. Oliveira and G. L. Dotto (2020). "Araticum (*Annona crassiflora*) seed powder (ASP) for the treatment of colored effluents by biosorption." *Environmental Science and Pollution Research* **27**(10): 11184-11194.

Franco, D. S. P., J. Georgin, M. S. Netto, D. Allasia, M. L. S. Oliveira, E. L. Foletto and G. L. Dotto (2021). "Highly effective adsorption of synthetic phenol effluent by a novel activated carbon prepared from fruit wastes of the *Ceiba speciosa* forest species." *Journal of Environmental Chemical Engineering* **9**(5): 10.

Franco, D. S. P., J. Georgin, M. S. Netto, J. L. S. Fagundez, N. P. G. Salau, D. Allasia and G. L. Dotto (2021). "Conversion of the forest species *Inga marginata* and *Tipuana tipu* wastes into biosorbents: Dye biosorption study from isotherm to mass transfer." *Environmental Technology & Innovation* **22**: 17.

Franco, D. S. P., J. S. Piccin, E. C. Lima and G. L. Dotto (2015). "Interpretations about methylene blue adsorption by surface modified chitin using the statistical physics treatment." *Adsorption-Journal of the International Adsorption Society* **21**(8): 557-564.

- Franco, D. S. P., E. H. Tanabe, D. A. Bertuol, G. S. dos Reis, E. C. Lima and G. L. Dotto (2017). "Alternative treatments to improve the potential of rice husk as adsorbent for methylene blue." Water Science and Technology **75**(2): 296-305.
- Franco, D. S. P., J. Vieillard, N. P. G. Salau and G. L. Dotto (2020). "Interpretations on the mechanism of In(III) adsorption onto chitosan and chitin: A mass transfer model approach." Journal of Molecular Liquids **304**: 9.
- Franco, M. E., B. N. Hill, B. W. Brooks and R. Lavado (2019). "Prymnesium parvum differentially triggers sublethal fish antioxidant responses in vitro among salinity and nutrient conditions." Aquatic Toxicology **213**: 10.
- Francy, D. S., A. M. G. Brady, E. A. Stelzer, J. R. Cicale, C. Hackney, H. D. Dalby, P. Struffolino and D. F. Dwyer (2020). "Predicting microcystin concentration action-level exceedances resulting from cyanobacterial blooms in selected lake sites in Ohio." Environmental Monitoring and Assessment **192**(8): 27.
- Franke, A., N. Forrer, A. Butte, B. Cvijetic, M. Morbidelli, M. Johnck and M. Schulte (2010). "Role of the ligand density in cation exchange materials for the purification of proteins." Journal of Chromatography A **1217**(15): 2216-2225.
- Franklin, C. C., T. Unlap, V. Adler and A. S. Kraft (1993). "MULTIPLE SIGNAL TRANSDUCTION PATHWAYS MEDIATE C-JUN PROTEIN-PHOSPHORYLATION." Cell Growth & Differentiation **4**(5): 377-385.
- Friedberg, I., K. Nika, L. Tautz, K. Salto, F. Cerignoli, I. Friedberg, A. Godzik and T. Mustelin (2007). "Identification and characterization of DUSP27, a novel dual-specific protein phosphatase." Febs Letters **581**(13): 2527-2533.
- Fristak, V., H. D. Laughinghouse and S. M. Bell (2020). "The Use of Biochar and Pyrolysed Materials to Improve Water Quality through Microcystin Sorption Separation." Water **12**(10): 19.
- Fu, L. L., X. Y. Zhao, L. D. Ji and J. Xu (2019). "Okadaic acid (OA): Toxicity, detection and detoxification." Toxicon **160**: 1-7.
- Fujita, M., C. Seta, J. Fukuda, S. Kobayashi and T. Haneji (1999). "Induction of apoptosis in human oral squamous carcinoma cell lines by protein phosphatase inhibitors." Oral Oncology **35**(4): 401-408.
- Fulcher, J. M., D. G. Wayment, P. M. White and C. L. Webber (2014). "Pyraclostrobin Wash-off from Sugarcane Leaves and Aerobic Dissipation in Agricultural Soil." Journal of Agricultural and Food Chemistry **62**(10): 2141-2146.
- Fuquay, J. M., N. Muha, Z. H. Wang and J. S. Ramsdell (2012). "Elimination Kinetics of Domoic Acid from the Brain and Cerebrospinal Fluid of the Pregnant Rat." Chemical Research in Toxicology **25**(12): 2805-2809.
- Furumochi, S., T. Onoda, Y. Cho, H. Fuwa, M. Sasaki, M. Yotsu-Yamashita and K. Konoki (2016). "Effect of carbon chain length in acyl coenzyme A on the efficiency of enzymatic transformation of okadaic acid to 7-O-acyl okadaic acid." Bioorganic & Medicinal Chemistry Letters **26**(13): 2992-2996.

Furuya, S., Y. Endo, M. Oba, Y. Matsui, S. Nozawa and S. Suzuki (1992). "PROTEIN-PHOSPHORYLATION REGULATES THE MOUSE SPERM ACROSOME REACTION INDUCED BY THE ZONA-PELLUCIDA." Journal of Assisted Reproduction and Genetics **9**(4): 384-390.

Furuya, S., Y. Endo, M. Oba, S. Nozawa and S. Suzuki (1992). "EFFECTS OF MODULATORS OF PROTEIN-KINASES AND PHOSPHATASES ON MOUSE SPERM CAPACITATION." Journal of Assisted Reproduction and Genetics **9**(4): 391-399.

Fux, E., R. Bire and P. Hess (2009). "Comparative accumulation and composition of lipophilic marine biotoxins in passive samplers and in mussels (*M. edulis*) on the West Coast of Ireland." Harmful Algae **8**(3): 523-537.

Fux, E., S. Gonzalez-Gil, M. Lunven, P. Gentien and P. Hess (2010). "Production of diarrhetic shellfish poisoning toxins and pectenotoxins at depths within and below the euphotic zone." Toxicon **56**(8): 1487-1496.

Fux, E., C. Marcaillou-Le Baut, F. Mondeguer, R. Bire and P. Hess (2008). "Field and mesocosm trials on passive sampling for the study of adsorption and desorption behaviour of lipophilic toxins with a focus on OA and DTX1." Harmful Algae **7**(5): 574-583.

Fux, E., D. McMillan, R. Bire and P. Hess (2007). "Development of an ultra-performance liquid chromatography-mass spectrometry method for the detection of lipophilic marine toxins." Journal Of Chromatography A **1157**(1-2): 273-280.

Fux, E., D. Rode, R. Bire and P. Hess (2008). "Approaches to the evaluation of matrix effects in the liquid chromatography-mass spectrometry (LC-MS) analysis of three regulated lipophilic toxin groups in mussel matrix (*Mytilus edulis*)."Food Additives And Contaminants Part A-chemistry Analysis Control Exposure & Risk Assessment **25**(8): 1024-1032.

Gad, A. A. M. and S. El-Tawel (2016). "Effect of pre-oxidation by chlorine/permanganate on surface water characteristics and algal toxins." Desalination and Water Treatment **57**(38): 17922-17934.

Gad, S. F., J. Park, J. E. Park, G. N. Fetih, S. S. Tous, W. Lee and Y. Yeo (2018). "Enhancing Docetaxel Delivery to Multidrug-Resistant Cancer Cells with Albumin-Coated Nanocrystals." Molecular Pharmaceutics **15**(3): 871-881.

Gago-martinez, A., J. M. Leão, P. Estevez, D. Castro, C. Barrios, P. Hess and M. Sibat (2021). "Characterisation of ciguatoxins." EFSA Supporting Publications **18**(5).

Gaignon, J.-L., M. Ryckaert, P. Hess, E. Nezan and N. Chomerat (2010). Opportunité d'autoriser le transfert de juvéniles d'huîtres creuses au départ du littoral du département de Charente-Maritime.

Gailhard, I., P. Gros, J. Durbec, B. Beliaeff, C. Belin, E. Nezan and P. Lassus (2002). "Variability patterns of microphytoplankton communities along the French coasts." Marine Ecology Progress Series **242**: 39-50.

Gaillard, S., A. Charrier, L. Carpentier, F. Malo, G. Bougaran, H. Hegaret, P. Hess and V. Sechet (2018). Influence of temperature, irradiance and pH on the physiology of *Teleaulax amphioxeia*. ICHA2018 - 18th International Conference on Harmful Algae "From ecosystems to socio-ecosystems". 21-26 october 2018, Nantes, France.

Gaillard, S., A. Charrier, L. Carpentier, F. Malo, G. Bougaran, D. Reveillon, H. Hegaret, P. Hess and V. Séchet (2019). Culture of prey organisms of Dinophysis helps explain why its occurrence along the French Atlantic coast does not show trends over a 20-year period. Oceanext 2019 Interdisciplinary Conference «Building the future of marine and coastal socio-ecosystems / Construisons le futur des socio-écosystèmes marins et littoraux». 3-5 juillet 2019, Nantes.

Gaillard, S., A. Charrier, F. Malo, L. Carpentier, G. Bougaran, H. Hégaret, D. Réveillon, P. Hess and V. Séchet (2020). "Combined effects of temperature, irradiance and pH on *Teleaulax amphioxeia* (Cryptophyceae) physiology and feeding ratio for its predator *Mesodinium rubrum* (Ciliophora)." Journal Of Phycology **56**(3): 775-783.

Gaillard, S., N. Le Goïc, F. Malo, M. Boulais, C. Fabiou, L. Zaccagnini, L. Carpentier, M. Sibat, D. Réveillon, V. Séchet, P. Hess and H. Hégaret (2020). "Cultures of *Dinophysis sacculus*, *D. acuminata* and pectenotoxin 2 affect gametes and fertilization success of the Pacific oyster, *Crassostrea gigas*." Environmental Pollution **265**(Part B).

Gaillard, S., D. Reveillon, C. Danthu, F. Herve, M. Sibat, L. Carpentier, H. Hegaret, V. Sechet and P. Hess (2021). "Effect of a short-term salinity stress on the growth, biovolume, toxins, osmolytes and metabolite profiles on three strains of the *Dinophysis acuminata*-complex (*Dinophysis cf. sacculus*)."  
Harmful Algae **107**: 9.

Gaio, E., A. Guerrini, M. Ballestri, G. Varchi, C. Ferroni, E. Martella, M. Columbaro, F. Moret and E. Reddi (2019). "Keratin nanoparticles co-delivering Docetaxel and Chlorin e6 promote synergic interaction between chemo- and photo-dynamic therapies." Journal of Photochemistry and Photobiology B-Biology **199**: 13.

Galasinski, S. C., D. F. Louie, K. K. Gloor, K. A. Resing and N. G. Ahn (2002). "Global regulation of post-translational modifications on core histones." Journal of Biological Chemistry **277**(4): 2579-2588.

Galimany, E., I. Sunila, H. Hegaret, M. Ramon and G. H. Wikfors (2008). "Experimental exposure of the blue mussel (*Mytilus edulis*, L.) to the toxic dinoflagellate *Alexandrium fundyense*: Histopathology, immune responses, and recovery." Harmful Algae **7**(5): 702-711.

Gallego-Yerga, L., I. Posadas, C. de la Torre, J. Ruiz-Almansa, F. Sansone, C. O. Mellet, A. Casnati, J. M. G. Fernandez and V. Cena (2017). "Docetaxel-Loaded Nanoparticles Assembled from beta-Cyclodextrin/Calixarene Giant Surfactants: Physicochemical Properties and Cytotoxic Effect in Prostate Cancer and Glioblastoma Cells." Frontiers in Pharmacology **8**: 13.

Galvao, J. A., M. Oetterer, M. D. Bittencourt-Oliveira, S. Gouvea-Barros, S. Hiller, K. Erler, B. Luckas, E. Pinto and P. Kujbida (2009). "Saxitoxins accumulation by freshwater tilapia (*Oreochromis niloticus*) for human consumption." Toxicon **54**(6): 891-894.

Gandhi, C. S., K. Shuck, J. D. Lear, G. R. Dieckmann, W. F. DeGrado, R. A. Lamb and L. H. Pinto (1999). "Cu(II) inhibition of the proton translocation machinery of the influenza A virus M-2 protein." Journal of Biological Chemistry **274**(9): 5474-5482.

Garcia, C., A. Barriga, J. C. Diaz, M. Lagos and N. Lagos (2010). "Route of metabolism and detoxication of paralytic shellfish toxins in humans." Toxicon **55**(1): 135-144.

Garcia, C., A. Rodriguez-Navarro, J. C. Diaz, R. Torres and N. Lagos (2009). "Evidence of in vitro glucuronidation and enzymatic transformation of paralytic shellfish toxins by healthy human liver microsomes fraction." *Toxicon* **53**(2): 206-213.

Garcia, G. M., J. M. Roy, I. R. Pitta, D. S. P. Abdalla, A. Grabe-Guimaraes, V. C. F. Mosqueira and S. Richard (2021). "Polylactide Nanocapsules Attenuate Adverse Cardiac Cellular Effects of Lyso-7, a Pan-PPAR Agonist/Anti-Inflammatory New Thiazolidinedione." *Pharmaceutics* **13**(9): 13.

Garcia, I., C. Pipaon, S. Alemany and A. Perezcastillo (1994). "INDUCTION OF NGFI-B GENE-EXPRESSION DURING T-CELL ACTIVATION - ROLE OF PROTEIN PHOSPHATASES." *Journal of Immunology* **153**(8): 3417-3425.

Garcia, L. F., G. Sanz, G. G. Costa, A. Yepez, A. C. R. Siqueira, G. A. R. de Oliveira, R. Luque and E. D. Gil (2018). "Remediation of Nodularin-R via Electrochemical Removal Using Nanostructured PdO-TiO<sub>2</sub>@Carbon Anodes." *Acs Sustainable Chemistry & Engineering* **6**(12): 17376-+.

Garcia-Altares, M., A. Casanova, M. Fernandez-Tejedor, J. Diogene and P. de la Iglesia (2016). "Bloom of *Dinophysis* spp. dominated by *D. sacculus* and its related diarrhetic shellfish poisoning (DSP) outbreak in Alfacas Bay (Catalonia, NW Mediterranean Sea): Identification of DSP toxins in phytoplankton, shellfish and passive samplers." *Regional Studies in Marine Science* **6**: 19-28.

Garcia-Portela, M., B. Reguera, M. R. d'Alcala, F. Rodriguez and M. Montresor (2019). "Effects of small-scale turbulence on two species of *Dinophysis*." *Harmful Algae* **89**: 10.

Garcia-Portela, M., B. Reguera, M. Sibat, A. Altenburger, F. Rodriguez and P. Hess (2018). "Metabolomic Profiles of *Dinophysis acuminata* and *Dinophysis acuta* Using Non-Targeted High-Resolution Mass Spectrometry: Effect of Nutritional Status and Prey." *Marine Drugs* **16**(5).

Garcia-Vazquez, R., E. P. Rebitski, L. Viejo, C. de los Rios, M. Darder and E. M. Garcia-Frutos (2020). "Clay-based hybrids for controlled release of 7-azaindole derivatives as neuroprotective drugs in the treatment of Alzheimer's disease." *Applied Clay Science* **189**: 8.

Garg, B. S. and D. N. Kumar (2003). "Spectral studies of complexes of nickel(II) with tetradeятate schiff bases having N<sub>2</sub>O<sub>2</sub> donor groups." *Spectrochimica Acta Part a-Molecular and Biomolecular Spectroscopy* **59**(2): 229-234.

Garnier, J., P. Riou, R. Le Gendre, A. Ramarson, G. Billen, P. Cugier, M. Schapira, S. Thery, V. Thieu and A. Menesguen (2019). "Managing the Agri-Food System of Watersheds to Combat Coastal Eutrophication: A Land-to-Sea Modelling Approach to the French Coastal English Channel." *Geosciences* **9**(10): 26.

Gates, J., S. M. Ferguson, R. D. Blakely and S. Apparsundaram (2004). "Regulation of choline transporter surface expression and phosphorylation by protein kinase C and protein phosphatase 1 2A." *Journal of Pharmacology and Experimental Therapeutics* **310**(2): 536-545.

Gavand, M. R., J. B. McClintock, C. D. Amsler, R. W. Peters and R. A. Angus (2007). "Effects of sonication and advanced chemical oxidants on the unicellular green alga *Dunaliella tertiolecta* and cysts, larvae and adults of the brine shrimp *Artemia salina*: A prospective treatment to eradicate invasive organisms from ballast water." *Marine Pollution Bulletin* **54**(11): 1777-1788.

Gavrilyuk, A. P. and S. V. Karpov (2007). The model of resonant domain of metal nanoparticle aggregates in pulsed laser fields. ICONO 2007 Conference, Minsk, BYELARUS, Spie-Int Soc Optical Engineering.

Ge, S. M., X. C. Qiao, X. R. Zhao, X. Li and Y. Liu (2021). "Microcystin in source water: pollution characteristics and human health risk assessment." Rsc Advances **11**(11): 6415-6422.

Geiger, M., G. Desanglois, K. Hogeveen, V. Fessard, T. Lepretre, F. Mondeguer, Y. Guittot, F. Herve, V. Sechet, O. Grovel, Y.-F. Pouchus and P. Hess (2013). "Cytotoxicity, Fractionation and Dereplication of Extracts of the Dinoflagellate *Vulcanodinium rugosum*, a Producer of Pinnatoxin G." Marine Drugs **11**(9): 3350-3371.

Geiger, M., Y. Guittot, M. Vansteelant, I. Kerzaon, E. Blanchet, T. R. Du Pont, J. C. Frisvad, P. Hess, Y. F. Pouchus and O. Grovel (2013). "Cytotoxicity and mycotoxin production of shellfish-derived *Penicillium* spp., a risk for shellfish consumers." Letters In Applied Microbiology **57**(5): 385-392.

Georgin, J., D. S. P. Franco, F. C. Drumm, P. Grassi, M. S. Netto, D. Allasia and G. L. Dotto (2020). "Paddle cactus (*Tacinga palmadora*) as potential low-cost adsorbent to treat textile effluents containing crystal violet." Chemical Engineering Communications **207**(10): 1368-1379.

Georgin, J., D. S. P. Franco, P. Grassi, D. Tonato, D. G. A. Piccilli, L. Meili and G. L. Dotto (2019). "Potential of *Cedrela fissilis* bark as an adsorbent for the removal of red 97 dye from aqueous effluents." Environmental Science and Pollution Research **26**(19): 19207-19219.

Georgin, J., D. S. P. Franco, M. S. Netto, D. Allasia, E. L. Foletto, L. F. S. Oliveira and G. L. Dotto (2021). "Transforming shrub waste into a high-efficiency adsorbent: Application of *Physalis peruviana* chalice treated with strong acid to remove the 2,4-dichlorophenoxyacetic acid herbicide." Journal of Environmental Chemical Engineering **9**(1): 9.

Georgin, J., D. S. P. Franco, M. S. Netto, D. Allasia, M. L. S. Oliveira and G. L. Dotto (2020). "Evaluation of *Ocotea puberula* bark powder (OPBP) as an effective adsorbent to uptake crystal violet from colored effluents: alternative kinetic approaches." Environmental Science and Pollution Research **27**(20): 25727-25739.

Georgin, J., D. S. P. Franco, M. S. Netto, D. Allasia, M. L. S. Oliveira and G. L. Dotto (2020). "Treatment of water containing methylene by biosorption using Brazilian berry seeds (*Eugenia uniflora*)." Environmental Science and Pollution Research **27**(17): 20831-20843.

Georgin, J., D. S. P. Franco, M. S. Netto, Y. L. O. de Salomon, D. G. A. Piccilli, E. L. Foletto and G. L. Dotto (2021). "Adsorption and mass transfer studies of methylene blue onto comminuted seedpods from *Luehea divaricata* and *Inga laurina*." Environmental Science and Pollution Research **28**(16): 20854-20868.

Georgin, J., D. S. P. Franco, M. S. Netto, D. G. A. Piccilli, E. L. Foletto and G. L. Dotto (2021). "Adsorption investigation of 2,4-D herbicide on acid-treated peanut (*Arachis hypogaea*) skins." Environmental Science and Pollution Research **28**(27): 36453-36463.

Georgin, J., Y. L. D. Salomon, D. S. P. Franco, M. S. Netto, D. G. A. Piccilli, E. L. Foletto and G. L. Dotto (2021). "Successful adsorption of bright blue and methylene blue on modified pods of *Caesalpinia echinata* in discontinuous system." Environmental Science and Pollution Research **28**(7): 8407-8420.

Ger, K. A., S. J. Teh and C. R. Goldman (2009). "Microcystin-LR toxicity on dominant copepods *Eurytemora affinis* and *Pseudodiaptomus forbesi* of the upper San Francisco Estuary." Science of the Total Environment **407**(17): 4852-4857.

Gerssen, A., M. A. McElhinney, P. P. J. Mulder, R. Bire, P. Hess and J. de Boer (2009). "Solid phase extraction for removal of matrix effects in lipophilic marine toxin analysis by liquid chromatography-tandem mass spectrometry." Analytical And Bioanalytical Chemistry **394**(4): 1213-1226.

Geuer, J. K., S. Trimborn, F. Koch, T. Brenneis, B. Krock and B. P. Koch (2020). "Dissolved Domoic Acid Does Not Improve Growth Rates and Iron Content in Iron-Stressed *Pseudo-Nitzschia subcurvata*." Frontiers in Marine Science **7**: 13.

Giannini, E. and F. Boulay (1995). "PHOSPHORYLATION, DEPHOSPHORYLATION, AND RECYCLING OF THE C5A RECEPTOR IN DIFFERENTIATED HL-60 CELLS." Journal of Immunology **154**(8): 4055-4064.

Gibble, C. M., M. B. Peacock and R. M. Kudela (2016). "Evidence of freshwater algal toxins in marine shellfish: Implications for human and aquatic health." Harmful Algae **59**: 59-66.

Gibson, J. S., H. Godart, J. C. Ellory, H. Staines, N. A. Honess and A. R. Cossins (1994). "MODULATION OF K+-CL- COTRANSPORT IN EQUINE RED-BLOOD-CELLS." Experimental Physiology **79**(6): 997-1009.

Gilbert, P. M. (2017). "Eutrophication, harmful algae and biodiversity - Challenging paradigms in a world of complex nutrient changes." Marine Pollution Bulletin **124**(2): 591-606.

Gill, D. A., M. A. Perry, E. P. McGuire, A. Perez-Gomez and R. A. Tasker (2012). "Low-dose neonatal domoic acid causes persistent changes in behavioural and molecular indicators of stress response in rats." Behavioural Brain Research **230**(2): 409-417.

Giovanardi, M., K. Schmidt and H. Kunze (2001). Narrow and broad band sound reduction in automotive panels. Smart Structures and Materials 2001 Conference, Newport Beach, Ca, Spie-Int Soc Optical Engineering.

Girija, R. and S. Aruna (2011). "Kinetics and Oxidation of Substituted Benzyl Alcohols by Phenyliodoso Acetate." E-Journal of Chemistry **8**(1): 264-268.

Gladan, Z. N., I. Ujevic, A. Milandri, I. Marasovic, A. Ceredi, S. Pigozzi, J. Arapov and S. Skejic (2011). "Lipophilic Toxin Profile in *Mytilus galloprovincialis* during Episodes of Diarrhetic Shellfish Poisoning (DSP) in the NE Adriatic Sea in 2006." Molecules **16**(1): 888-899.

Glibert, P. M. and J. M. Burkholder (2011). "Harmful algal blooms and eutrophication: "strategies" for nutrient uptake and growth outside the Redfield comfort zone." Chinese Journal of Oceanology and Limnology **29**(4): 724-738.

Godhe, A., S. Svensson and A. S. Rehnstam-Holm (2002). "Oceanographic settings explain fluctuations in *Dinophysis* spp. and concentrations of diarrhetic shellfish toxin in the plankton community within a mussel farm area on the Swedish west coast." Marine Ecology Progress Series **240**: 71-83.

Gomes, J., M. Finlay, A. K. Ahmed, E. J. Ciaccio, A. Asimaki, J. E. Saffitz, G. Quarta, M. Nobles, P. Syrris, S. Chaubey, W. J. McKenna, A. Tinker and P. D. Lambiase (2012). "Electrophysiological

abnormalities precede overt structural changes in arrhythmogenic right ventricular cardiomyopathy due to mutations in desmoplakin-A combined murine and human study." European Heart Journal **33**(15): 1942-1953.

Gong, P., Y. Q. Chen, A. H. Lin, H. B. Zhang, Y. Zhang, R. D. Ye and Y. Yu (2020). "p47(phox) deficiency improves cognitive impairment and attenuates tau hyperphosphorylation in mouse models of AD." Alzheimers Research & Therapy **12**(1): 18.

Gong, Y. F., K. K. Zhang, N. B. Geng, M. H. Wu, X. L. Yi, R. Y. Liu, J. K. Challis, G. Codling, E. G. Xu and J. P. Giesy (2021). "Molecular mechanisms of zooplanktonic toxicity in the okadaic acid- producing dinoflagellate *Prorocentrum lima*." Environmental Pollution **279**: 10.

Gonzalez, J. C., O. I. Fontal, M. R. Vieytes, J. M. Vieytes and L. M. Botana (2002). "Basis for a new procedure to eliminate diarrheic shellfish toxins from a contaminated matrix." Journal of Agricultural and Food Chemistry **50**(2): 400-405.

Gonzalez-Jartin, J. M., L. D. Alves, A. Alfonso, Y. Pineiro, S. Y. Vilar, I. Rodriguez, M. G. Gomez, Z. V. Osorio, M. J. Sainz, M. R. Vieytes, J. Rivas and L. M. Botana (2020). "Magnetic nanostructures for marine and freshwater toxins removal." Chemosphere **256**: 11.

Graneli, E., D. M. Anderson, P. Carlsson and S. Y. Maestrini (1997). "Light and dark carbon uptake by *Dinophysis* species in comparison to other photosynthetic and heterotrophic dinoflagellates." Aquatic Microbial Ecology **13**(2): 177-186.

Gras, P., M. Comps, A. David and G. Baron (1971). "Observations préliminaires sur la reproduction des huîtres dans le bassin de Marennes-Oléron en 1971." Science et Pêche **20**: 7-16.

Grassi, P., F. C. Drumm, D. S. P. Franco, J. Georgan, G. L. Dotto, E. L. Foletto and S. L. Jahn "Application of fly ash modified by alkaline fusion as an effective adsorbent to remove methyl violet 10B in water." Chemical Engineering Communications: 12.

Grassi, P., F. C. Drumm, J. Georgan, D. S. P. Franco, G. L. Dotto, E. L. Foletto and S. L. Jahn (2021). "Application of Cordia trichotomasawdust as an effective biosorbent for removal of crystal violet from aqueous solution in batch system and fixed-bed column." Environmental Science and Pollution Research **28**(6): 6771-6783.

Grassi, P., F. C. Drumm, J. Georgan, D. S. P. Franco, E. L. Foletto, G. L. Dotto and S. L. Jahn (2020). "Water treatment plant sludge as iron source to catalyze a heterogeneous photo-Fenton reaction." Environmental Technology & Innovation **17**: 12.

Grassi, P., E. L. Foletto, G. L. Dotto, D. S. P. Franco and S. L. Jahn (2021). "Application of Thermally Treated Water Treatment Sludge as a Remarkable Adsorbent Towards Emerging Pollutant Removal from Aqueous Solution." Water Air and Soil Pollution **232**(10): 13.

Gravinese, P. M., E. Saso, V. J. Lovko, P. Blum, C. Cole and R. H. Pierce (2019). "Karenia brevis causes high mortality and impaired swimming behavior of Florida stone crab larvae." Harmful Algae **84**: 188-194.

Gray, C. H., V. M. Good, N. K. Tonks and D. Barford (2003). "The structure of the cell cycle protein Cdc14 reveals a proline-directed protein phosphatase." Embo Journal **22**(14): 3524-3535.

Gregorkiewicz, T., D. T. X. Thao, I. Tsimeridis, H. Bekman, C. Langerak, J. Michel and L. C. Kimerling (1998). "Excitation mechanism of Er in Si studied with a free-electron laser." Journal of Luminescence **80**(1-4): 291-295.

Griffith, A. W., S. E. Shumway and A. K. Volety (2013). "Bioaccumulation and depuration of brevetoxins in the eastern oyster (*Crassostrea virginica*) and the northern quahog (= hard clam, *Mercenaria mercenaria*)."Toxicon **66**: 75-81.

Gross, A. D., R. Islam and J. R. Bloomquist (2016). Glutamate Receptor-Cation Channel Complex: An Unexploited Target for Mosquito Control. Symp on Advances in Agrochemicals: Ion Channels and G Protein-Coupled Receptors (GPCRs) as Targets for Pest Control / 252nd ACS Natl Meeting and Exposition, Philadelphia, PA, Amer Chemical Soc.

Grubor, N. M., R. Shinar, R. Jankowiak, M. D. Porter and G. J. Small (2004). "Novel biosensor chip for simultaneous detection of DNA-carcinogen adducts with low-temperature fluorescence."Biosensors & Bioelectronics **19**(6): 547-556.

Grzyska, P. K., Y. Kim, M. D. Jackson, A. C. Hengge and J. M. Denu (2004). "Probing the transition-state structure of dual-specificity protein phosphatases using a physiological substrate mimic."Biochemistry **43**(27): 8807-8814.

Guan, D., J. C. F. Lee, M. H. Higgs, W. J. Spain and R. C. Foehring (2007). "Functional roles of Kv1 channels in neocortical pyramidal neurons."Journal of Neurophysiology **97**(3): 1931-1940.

Guan, D., J. C. F. Lee, T. Tkatch, D. J. Surmeier, W. E. Armstrong and R. C. Foehring (2006). "Expression and biophysical properties of Kv1 channels in supragranular neocortical pyramidal neurones."Journal of Physiology-London **571**(2): 371-389.

Guan, X. B., J. L. Blank and D. E. Dluzen (1993). "ROLE OF OLFACTORY-BULB NOREPINEPHRINE IN THE IDENTIFICATION AND RECOGNITION OF CHEMICAL CUES."Physiology & Behavior **53**(3): 437-441.

Guan, X. H., D. He, J. Ma and G. H. Chen (2010). "Application of permanganate in the oxidation of micropollutants: a mini review."Frontiers of Environmental Science & Engineering in China **4**(4): 405-413.

Guatimosim, C., C. Hull, H. von Gersdorff and M. A. M. Prado (2002). "Okadaic acid disrupts synaptic vesicle trafficking in a ribbon-type synapse."Journal of Neurochemistry **82**(5): 1047-1057.

Gubbins, M. J., F. B. Eddy, S. Gallacher and R. M. Stagg (2000). "Paralytic shellfish poisoning toxins induce xenobiotic metabolising enzymes in Atlantic salmon (*Salmo salar*)."Marine Environmental Research **50**(1-5): 479-483.

Gueguen, M., M. Bardouil, R. Baron, P. Lassus, P. Truquet, J. Massardier and Z. Amzil (2008). "Detoxification of Pacific oyster *Crassostrea gigas* fed on diets of *Skeletonema costatum* with and without silt, following PSP contamination by *Alexandrium minutum*."Aquatic Living Resources **21**(1): 13-20.

Gueguen, M., R. Baron, M. Bardouil, H. Haberkorn, P. Soudant, P. Truquet and P. Lassus (2012). "Influence of *Crassostrea gigas* (Thunberg) sexual maturation stage and ploidy on uptake of paralytic phycotoxins."Toxicon **60**(1): 40-43.

Gueguen, M., R. Baron, M. Bardouil, P. Truquet, H. Haberkorn, P. Lassus, L. Barille and Z. Amzil (2011). "Modelling of paralytic shellfish toxin biotransformations in the course of *Crassostrea gigas* detoxification kinetics." Ecological Modelling **222**(18): 3394-3402.

Gueguen, M., R. Baron, M. Bardouil, P. Truquet, T. Tilmant, V. Savar, Z. Amzil and P. Lassus (2009). Influence de la polyploidie sur la contamination des huîtres par des toxines paralysantes.

Gueguen, M., R. Baron, A. Duinker, J. A. B. Aasen and L. Naustvoll (2010). Modelling the environmental variable influences on the detoxification kinetics on mussels *Mytilus edulis* containing lipophilic toxins. 11th IFAC Symposium on Computer Applications in Biotechnology, 7-9 July 2010, Leuven, Belgium.

Gueguen, M., P. Lassus, M. Laabir, M. Bardouil, R. Baron, V. Sechet, P. Truquet, Z. Amzil and L. Barille (2008). "Gut passage times in two bivalve molluscs fed toxic microalgae: *Alexandrium minutum*, *A-catenella* and *Pseudo-nitzschia calliantha*." Aquatic Living Resources **21**(1): 21-29.

Guegueniat, P., J. Auffret and Y. Baron (1979). "Évolution de la radioactivité artificielle gamma dans des sédiments littoraux de la Manche pendant les années 1976-1977-1978." Oceanologica Acta **2**(2): 165-180.

Guegueniat, P., P. Bailly Du Bois, R. Gandon, J.-C. Salomon, Y. Baron and R. Leon (1994). "Spatial and Temporal Distribution (1987-91) of 125Sb Used to Trace Pathways and Transit Times of Waters Entering the North Sea from the English Channel." Estuarine Coastal And Shelf Science **39**(1): 59-74.

Guevremont, R., V. Pathak, M. N. Quigley and J. L. C. Wright (1991). "COMPARISON OF CATION-EXCHANGE AND CHELATING CATION-EXCHANGE RESINS FOR THE CONCENTRATION OF SAXITOXIN." Analytica Chimica Acta **255**(1): 163-168.

Guillotreau, P., V. L. Bihan, B. Morineau and S. Pardo (2021). "The vulnerability of shellfish farmers to HAB events: An optimal matching analysis of closure decrees." Harmful Algae **101**: 101968.

Guixiang, W., L. Ning and D. Guojun (2007). A study on self-assembled activation by Pd/Sn colloids. International Conference on Smart Materials and Nanotechnology in Engineering, Harbin Inst Technol, Harbin, PEOPLES R CHINA, Spie-Int Soc Optical Engineering.

Guo, F. J., T. Y. An and K. S. Rein (2010). "The algal hepatotoxin okadaic acid is a substrate for human cytochromes CYP3A4 and CYP3A5." Toxicon **55**(2-3): 325-332.

Guo, S. Q., X. Y. Dong, C. X. Zhu, Y. Y. Han and Z. Z. Wang (2017). "A simple modeling approach for characteristics analysis of hydrothermal liquefaction products from low-lipid aquatic plants." Applied Thermal Engineering **125**: 394-400.

Guo, X. T., A. Uehara, A. Ravindran, S. H. Bryant, S. Hall and E. Moczydlowski (1987). "KINETIC BASIS FOR INSENSITIVITY TO TETRODOTOXIN AND SAXITOXIN IN SODIUM-CHANNELS OF CANINE HEART AND DENERVATED RAT SKELETAL-MUSCLE." Biochemistry **26**(24): 7546-7556.

Guo, Y. Y., P. Zhang, Q. Y. Zhao, K. M. Wang and Y. X. Luan (2016). "Reduction-Sensitive Polymeric Micelles Based on Docetaxel-Polymer Conjugates Via Disulfide Linker for Efficient Cancer Therapy." Macromolecular Bioscience **16**(3): 420-431.

Gupta, G., J. P. Maikhuri, A. K. Dwivedi, J. D. Dhar and B. S. Setty (1999). "Changes in daily sperm production rate in rats under the influence of a potent antispermatic agent, CDRI 84/35." Contraception **59**(6): 401-404.

Guzman-Guillen, R., A. I. Prieto, A. G. Gonzalez, M. E. Soria-Diaz and A. M. Camean (2012). "Cylindrospermopsin determination in water by LC-MS/MS: Optimization and validation of the method and application to real samples." Environmental Toxicology and Chemistry **31**(10): 2233-2238.

Guzman-Guillen, R., A. I. Prieto, I. Moreno, V. Rios, V. M. Vasconcelos and A. M. Camean (2014). "Effects of depuration on oxidative biomarkers in tilapia (*Oreochromis niloticus*) after subchronic exposure to cyanobacterium producing cylindrospermopsin." Aquatic Toxicology **149**: 40-49.

Haberkorn, H., C. Lambert, N. Le Goic, M. Gueguen, J. Moal, E. Palacios, P. Lassus and P. Soudant (2010). "Effects of *Alexandrium minutum* exposure upon physiological and hematological variables of diploid and triploid oysters, *Crassostrea gigas*." Aquatic Toxicology **97**(2): 96-108.

Hackett, J. D., M. Tong, D. M. Kulis, E. Fux, P. Hess, R. Bire and D. M. Anderson (2009). "DSP toxin production de novo in cultures of *Dinophysis acuminata* (Dinophyceae) from North America." Harmful Algae **8**(6): 873-879.

Hagstrom, J. A., E. Graneli, I. Maneiro, A. Barreiro, A. Petermann and C. Svensen (2007). "Release and degradation of amnesic shellfish poison from decaying *Pseudo-nitzschia multiseries* in presence of bacteria and organic matter." Harmful Algae **6**(2): 175-188.

Hagstrom, J. A., M. R. Sengco and T. A. Villareal (2010). "POTENTIAL METHODS FOR MANAGING PRYMNESIUM PARVUM BLOOMS AND TOXICITY, WITH EMPHASIS ON CLAY AND BARLEY STRAW: A REVIEW." Journal of the American Water Resources Association **46**(1): 187-198.

Hah, J. S., J. W. Ryu, W. Lee, B. S. Kim, M. Lachaal, R. A. Spangler and C. Y. Jung (2002). "Transient changes in four GLUT4 compartments in rat adipocytes during the transition, insulin-stimulated to basal: Implications for the GLUT4 trafficking pathway." Biochemistry **41**(48): 14364-14371.

Hahin, R., G. K. Wang, B. I. Shapiro and G. Strichartz (1991). "ALTERATIONS IN SODIUM-CHANNEL GATING PRODUCED BY THE VENOM OF THE MARINE MOLLUSK CONUS-STRIATUS." Toxicon **29**(2): 245-259.

Haider, S., V. Naithani, P. N. Viswanathan and P. Kakkar (2003). "Cyanobacterial toxins: a growing environmental concern." Chemosphere **52**(1): 1-21.

Hakemi, P., A. Ghadi, S. Mahjoub, E. Zabihi and H. Tashakkorian (2021). "Ratio Design of Docetaxel Quercetin Co-Loading-to-Nanocarrier: Synthesis of PCL-PEG-PCL Copolymer, Study of Drug Release Kinetic and Growth Inhibition of Human Breast Cancer (MCF-7) Cell Line." Russian Journal of Applied Chemistry **94**(3): 388-401.

Hall, T., J. Hart, B. Croll and R. Gregory (2000). "Laboratory-scale investigations of algal toxin removal by water treatment." Journal of the Chartered Institution of Water and Environmental Management **14**(2): 143-149.

Hallegraeff, G. M. (2015). "Transport of harmful marine microalgae via ship's ballast water: Management and mitigation with special reference to the Arabian Gulf region." Aquatic Ecosystem Health & Management **18**(3): 290-298.

Ham, J. H., D. R. Majerczak, A. S. Arroyo-Rodriguez, D. M. Mackey and D. L. Coplin (2006). "WtsE, an AvrE-family effector protein from *Pantoea stewartii* subsp *stewartii*, causes disease-associated cell death in corn and requires a chaperone protein for stability." Molecular Plant-Microbe Interactions **19**(10): 1092-1102.

Hamlet, W. R., Y. W. Liu, Z. Q. Tang and Y. Lu (2014). "Interplay between low threshold voltage-gated K<sup>+</sup> channels and synaptic inhibition in neurons of the chicken nucleus lam mans along its frequency axis." Frontiers in Neural Circuits **8**: 15.

Hampel, J. J., M. J. McCarthy, M. Neudeck, G. S. Bullerjahn, R. M. L. McKay and S. E. Newell (2019). "Ammonium recycling supports toxic *Planktothrix* blooms in Sandusky Bay, Lake Erie: Evidence from stable isotope and metatranscriptome data." Harmful Algae **81**: 42-52.

Han, C., J. Lalley, D. Namboodiri, K. Cromer and M. N. Nadagouda (2016). "Titanium dioxide-based antibacterial surfaces for water treatment." Current Opinion in Chemical Engineering **11**: 46-51.

Han Ching, L., C. Cahu, F. Medale, J.-P. Baud, A. Forest, C. Knockaert, P. Lassus and P. Paquotte (2006). Progrès technologiques au sein des industries alimentaires : impact sur la qualité des produits. Groupe "produits alimentaires d'origine aquatique".

Han, H. S., M. Lee, J. Y. An, S. Son, H. Ko, H. Lee, Y. S. Chae, Y. M. Kang and J. H. Park (2016). "A pH-responsive carboxymethyl dextran-based conjugate as a carrier of docetaxel for cancer therapy." Journal of Biomedical Materials Research Part B-Applied Biomaterials **104**(4): 789-796.

Han, P. F., F. L. Jin, X. L. Dong, J. Q. Fan, B. L. Qiu and S. X. Ren (2013). "Transcript and Protein Profiling Analysis of the Destruxin A-Induced Response in Larvae of *Plutella xylostella*." Plos One **8**(4): 10.

Han, S. Q., Q. Zhou, Y. D. Xu, F. Vanogtrop, Q. J. Guo, G. F. Liu and S. H. Yan (2015). "Valuable ingredients and feed toxicity evaluation of *Microcystis aeruginosa* acidolysis product in mice." Experimental Biology and Medicine **240**(10): 1333-1339.

Han, Y. C., Z. J. He, A. Schulz, T. K. Bronich, R. Jordan, R. Luxenhofer and A. V. Kabanov (2012). "Synergistic Combinations of Multiple Chemotherapeutic Agents in High Capacity Poly(2-oxazoline) Micelles." Molecular Pharmaceutics **9**(8): 2302-2313.

Handa, A., T. A. McClimans, K. I. Reitan, O. Knutsen, K. Tangen and Y. Olsen (2014). "Artificial upwelling to stimulate growth of non-toxic algae in a habitat for mussel farming." Aquaculture Research **45**(11): 1798-1809.

Hansen, G. and W. Ulbricht (1991). "INFLUENCE OF NA<sup>+</sup> AND LI<sup>+</sup> IONS ON THE KINETICS OF SODIUM-CHANNEL BLOCK BY TETRODOTOXIN AND SAXITOXIN." Pflugers Archiv-European Journal of Physiology **419**(6): 588-595.

Hao, L., P. Xie, J. Fu, G. Y. Li, Q. Xiong and H. Y. Li (2008). "The effect of cyanobacterial crude extract on the transcription of GST mu, GST kappa and GST rho in different organs of goldfish (*Carassius auratus*)."Aquatic Toxicology **90**(1): 1-7.

Harada, K. (1999). "Recent advances of toxic cyanobacteria researches." Journal of Health Science **45**(3): 150-165.

Hardardottir, S., D. M. Hjort, S. Wohlrab, B. Krock, U. John, T. G. Nielsen and N. Lundholm (2019). "Trophic interactions, toxicokinetics, and detoxification processes in a domoic acid-producing diatom and two copepod species." Limnology and Oceanography **64**(3): 833-848.

Harouna, B. M., O. Benkortbi, S. Hanini and A. Amrane (2019). "Modeling of transitional pore blockage to cake filtration and modified fouling index - Dynamical surface phenomena in membrane filtration." Chemical Engineering Science **193**: 298-311.

Harris, T. D. and V. H. Smith (2016). "Do persistent organic pollutants stimulate cyanobacterial blooms?" Inland Waters **6**(2): 124-130.

Hartshorn, N., Z. Marimon, Z. M. Xuan, J. Cormier, N. B. Chang and M. Wanielista (2016). "Complex interactions among nutrients, chlorophyll-a, and microcystins in three stormwater wet detention basins with floating treatment wetlands." Chemosphere **144**: 408-419.

Harwood, F. C., L. Shu and P. J. Houghton (2008). "mTORC1 signaling can regulate growth factor activation of p44/42 mitogen-activated protein kinases through protein phosphatase 2A." Journal of Biological Chemistry **283**(5): 2575-2585.

Hasegawa, J., K. Osatomi, R. F. Wu and K. Uyeda (1999). "A novel factor finding to the glucose response elements of liver pyruvate kinase and fatty acid synthase genes." Journal of Biological Chemistry **274**(2): 1100-1107.

Hattenrath, T. K., D. M. Anderson and C. J. Gobler (2010). "The influence of anthropogenic nitrogen loading and meteorological conditions on the dynamics and toxicity of *Alexandrium fundyense* blooms in a New York (USA) estuary." Harmful Algae **9**(4): 402-412.

Hattenrath-Lehmann, T. K., M. W. Lusty, R. B. Wallace, B. Haynes, Z. H. Wang, M. Broadwater, J. R. Deeds, S. L. Morton, W. Hastback, L. Porter, K. Chytalo and C. J. Gobler (2018). "Evaluation of Rapid, Early Warning Approaches to Track Shellfish Toxins Associated with *Dinophysis* and *Alexandrium* Blooms." Marine Drugs **16**(1): 19.

Hattenrath-Lehmann, T. K., D. Nanjappa, H. Zhang, L. Y. Yu, J. A. Goleski, S. J. Lin and C. J. Gobler (2021). "Transcriptomic and isotopic data reveal central role of ammonium in facilitating the growth of the mixotrophic dinoflagellate, *Dinophysis acuminata*." Harmful Algae **104**: 13.

Haure, J., J. Hussenot, F. Buzin, P. Lassus, C. Marcaillou-Le Baut, F. Mondeguer, V. Sechet, F. Royer, Z. Amzil, M. Cardinal, L. Le Grel, A. Masse, N. E. Sabiri, J.-B. Castaing and P. Jaouen (2014). Storage and Detoxification of Bivalve Molluscs as a Tool in a Marketing Strategy, Springer Netherlands.

Haure, J., J. Hussenot, P. Lassus, C. Marcaillou-Le Baut, F. Mondeguer, V. Sechet, F. Royer, Z. Amzil, M. Cardinal, C. Belin, L. Le Grel, V. Le Bihan, P. Jaouen, A. Massé, J. B. Castaing, N. E. Sabiri and M. Pontié (2009). COMSAUMOL (maintien de la COMMercialisation et de la SAUvegarde des MOLLusques) : Résultats 2008.

Havet, M., R. Baron and A. Le Niliot (2002). Etude numérique de la répartition de fumée dans une enceinte de fumage industrielle. Rapport final.

Hawig, R., Y. Khan and E. Kneller (1992). "CRYSTALLIZATION AND THERMAL-PROPERTIES OF PD100-XSIX ALLOYS IN THE GLASS RANGE (14 LESS-THAN-OR-EQUAL-TO X LESS-THAN-OR-EQUAL-TO 26)." Zeitschrift Fur Metallkunde **83**(8): 630-632.

Hay, J. C. and T. F. J. Martin (1992). "RESOLUTION OF REGULATED SECRETION INTO SEQUENTIAL MGATP-DEPENDENT AND CALCIUM-DEPENDENT STAGES MEDIATED BY DISTINCT CYTOSOLIC PROTEINS." Journal of Cell Biology **119**(1): 139-151.

Haystead, C. M. M., P. Gregory, A. Shirazi, P. Fadden, C. Mosse, P. Dent and T. A. J. Haystead (1994). "INSULIN ACTIVATES A NOVEL ADIPOCYTE MITOGEN-ACTIVATED PROTEIN-KINASE KINASE THAT SHOWS RAPID PHASIC KINETICS AND IS DISTINCT FROM C-RAF." Journal of Biological Chemistry **269**(17): 12804-12808.

He, C. S., P. Cai, J. Li, T. Zhang, L. Lin, A. Z. Abbasi, J. T. Henderson, A. M. Rauth and X. Y. Wu (2017). "Blood-brain barrier-penetrating amphiphilic polymer nanoparticles deliver docetaxel for the treatment of brain metastases of triple negative breast cancer." Journal of Controlled Release **246**: 98-109.

He, S., X. F. Liang, D. Shen, W. B. Zhang and K. S. Mai (2013). "Effects of dietary tert-butylhydroquinone on domoic acid metabolism and transcription of detoxification-related liver genes in red sea bream Pagrus major." Chinese Science Bulletin **58**(16): 1906-1911.

He, X. C., H. Wang, H. Y. Yan and Y. H. Ao (2021). "Numerical simulation of microcystin distribution in Liangxi River, downstream of Taihu Lake." Water Environment Research **93**(10): 1934-1943.

He, X. X., M. Pelaez, J. A. Westrick, K. E. O'Shea, A. Hiskia, T. Triantis, T. Kaloudis, M. I. Stefan, A. A. de la Cruz and D. D. Dionysiou (2012). "Efficient removal of microcystin-LR by UV-C/H<sub>2</sub>O<sub>2</sub> in synthetic and natural water samples." Water Research **46**(5): 1501-1510.

He, Y. F., Y. J. Huang, Z. Y. Huang, Y. L. Jiang, X. Q. Sun, Y. F. Shen, W. J. Chu and C. S. Zhao (2017). "Bisphosphonate-functionalized coordination polymer nanoparticles for the treatment of bone metastatic breast cancer." Journal of Controlled Release **264**: 76-88.

Hebal, H., A. Parviaainen, S. Anbarasan, H. Li, L. Makkonen, S. Bankar, A. W. T. King, I. Kilpelainen, S. Benallaoua and O. Turunen (2020). "Inhibition of hyperthermostable xylanases by superbase ionic liquids." Process Biochemistry **95**: 148-156.

Hegaret, H., G. H. Wikfors, P. Soudant, C. Lambert, S. E. Shumway, J.-B. Berard and P. Lassus (2007). "Toxic dinoflagellates (*Alexandrium fundyense* and *A-catenella*) have minimal apparent effects on oyster hemocytes." Marine Biology **152**(2): 441-447.

Heisler, J., P. M. Glibert, J. M. Burkholder, D. M. Anderson, W. Cochlan, W. C. Dennison, Q. Dortch, C. J. Gobler, C. A. Heil, E. Humphries, A. Lewitus, R. Magnien, H. G. Marshall, K. Sellner, D. A. Stockwell, D. K. Stoecker and M. Suddleson (2008). "Eutrophication and harmful algal blooms: A scientific consensus." Harmful Algae **8**(1): 3-13.

Heral, M., P. Goulletquer, J. Prou, P. Lassus and C. Leveque (2007). "La Conchyliculture : la gestion des bassins conchyliques." Comptes Rendus de l'Académie d'Agriculture de France **93**(4): 33-41.

Heral, M., P. Lassus and D. Halguand (1975). Rapport de la campagne de la "THALASSA" en manche orientale.

Heral, M., D. Woehrling, D. Halgand and P. Lassus (1979). Utilisation du filet à plancton du type "Bongo". CIEM Conseil International pour l'Exploration de la mer.

Heresztyn, T. and B. C. Nicholson (2001). "A colorimetric protein phosphatase inhibition assay for the determination of cyanobacterial peptide hepatotoxins based on the dephosphorylation of phosvitin by recombinant protein phosphatase 1." *Environmental Toxicology* **16**(3): 242-252.

Hernandes, P. T., M. L. S. Oliveira, J. Georgin, D. S. P. Franco, D. Allasia and G. L. Dotto (2019). "Adsorptive decontamination of wastewater containing methylene blue dye using golden trumpet tree bark (*Handroanthus albus*)." *Environmental Science and Pollution Research* **26**(31): 31924-31933.

Hernandez-Zamora, M., E. Santiago-Martinez and F. Martinez-Jeronimo "Toxigenic *Microcystis aeruginosa* (Cyanobacteria) affects the population growth of two common green microalgae: Evidence of other allelopathic metabolites different to cyanotoxins." *Journal of Phycology*: 12.

Herzog, H., L. Tellman, R. Fulton and U. Pietrzyk (2005). Motion correction in PET brain studies. 4th International Workshop on Multidimensional Systems (NDS 2005), Wuppertal, GERMANY, Gmt Gesellschaft Fur Medizin & Technik.

Hess, P. (2010). Contributions to the characterisation of risks posed by marine biotoxins.

Hess, P. (2010). "Requirements for screening and confirmatory methods for the detection and quantification of marine biotoxins in end-product and official control." *Analytical And Bioanalytical Chemistry* **397**(5): 1683-1694.

Hess, P. (2017). Biogeography and Diversity of Micro-Algal Toxins and Metabolites. 24th Meeting of the French Society of Toxinology (SFET) "Toxins: Biodiversity, Environment and Evolution". 7 et 8 Décembre 2017, Institut Pasteur, Paris.

Hess, P. (2017). "Intoxikation durch marine Biotoxine."

Bundesgesundheitsblatt-gesundheitsforschung-gesundheitsschutz **60**(7): 757-760.

Hess, P. (2018). "Algal toxin discovery, management and regulation over the last 25 years." Harmful algae news(59): 15-16.

Hess, P. (2020). Harmful Algae 2018 – From Ecosystems to Socioecosystems. Proceedings of the 18th International Conference on Harmful Algae, 21-26 October 2018, Nantes, France, International Society for the Study of Harmful Algae (ISSHA), Institut Francais de Recherche pour l'Exploitation de la Mer (Ifremer), Intergovernmental Oceanographic Commission of the United Nations Educational, Scientific and Cultural Organization(IOC/UNESCO).

Hess, P., E. Abadie, F. Herve, T. Berteaux, V. Sechet, R. Araoz, J. Molgo, A. Zakarian, M. Sibat, T. Rundberget, C. O. Miles and Z. Amzil (2013). "Pinnatoxin G is responsible for atypical toxicity in mussels (*Mytilus galloprovincialis*) and clams (*Venerupis decussata*) from Ingril, a French Mediterranean lagoon." *Toxicon* **75**: 16-26.

Hess, P. and G. Bavouzet (2012). Information sur les intoxications potentielles dues à la consommation d'organismes marins autres que les mollusques bivalves en juillet 2012.

Hess, P., T. Butter, A. Petersen, J. Silke and T. McMahon (2009). "Performance of the EU-harmonised mouse bioassay for lipophilic toxins for the detection of azaspiracids in naturally contaminated mussel (*Mytilus edulis*) hepatopancreas tissue homogenates characterised by liquid chromatography coupled to tandem mass spectrometry." Toxicon **53**(7-8): 713-722.

Hess, P., J. Deboer, W. Cofino, P. Leonards and D. Wells (1995). "Critical review of the analysis of non- and mono-ortho-chlorobiphenyls." Journal Of Chromatography A **703**(1-2): 417-465.

Hess, P., S. Gallacher, L. Bates, N. Brown and M. Quilliam (2001). "Determination and confirmation of the amnesic shellfish poisoning toxin, domoic acid, in shellfish from Scotland by liquid chromatography and mass spectrometry." Journal Of Aoac International **84**(5): 1657-1667.

Hess, P., M. Geiger, S. Brochard, T. Lepretre, V. Fessard, J.-P. Antignac, J. Dupont, V. Sechet, F. Vanel, F. Mondeguer, F. Herve, S. Leborgne, G. Deslanglois, L. Marshall, L. Rounds, Y. Guitton, Z. Amzil, O. Grovel, N. Ruiz and F. Pouchus (2015). COLNACOQ. Composés lipophiles naturels dans l'environnement des coquillages. Rapport final.

Hess, P. and P. Gouletquer (2012). Toxic Microalgae – Algal toxins. Know and emerging threats to seafood consumers and the marine environment. Key environmental issues for marine coastal ecosystems, 5th Sino-French SEED Seminar, October 2nd & 3rd 2012, Montpellier.

Hess, P., B. Grune, D. B. Anderson, T. Aune, L. M. Botana, P. Caricato, H. P. Van Egmond, M. Halder, S. Hall, J. F. Lawrence, C. Moffat, R. Poletti, J. Richmond, G. P. Rossini, C. Seamer and J. S. Vilageliu (2006). "Three Rs approaches in marine biotoxin testing - The report and recommendations of a joint ECVAM/DG SANCO workshop (ECVAM workshop 55)." Atla-alternatives To Laboratory Animals **34**(2): 193-224.

Hess, P., F. Herve, E. Abadie, V. Sechet, J. Molgo, Z. Amzil and V. Fessard (2012). Pinnatoxines en lien avec l'espèce *Vulcanodinium rugosum*.

Hess, P., P. McCarron and M. A. Quilliam (2007). "Fit-for-purpose shellfish reference materials for internal and external quality control in the analysis of phycotoxins." Analytical And Bioanalytical Chemistry **387**(7): 2463-2474.

Hess, P., F. Mondeguer, T. Glauner, B. Wust, M. Sibat, S. Z. Zendong, C. Herrenknecht and V. Sechet (2013). Metabolomic Analysis of Marine Microalgae Using High Resolution Mass Spectrometry for Taxonomic Comparisons and Screening of Marine Biotoxins. ASMS 2013 - 61st American Society for Mass Spectrometry (ASMS) - Minneapolis (USA) , June 9-13, 2013.

Hess, P., S. Morris, L. Stobo, N. Brown, J. McEvoy, G. Kennedy, P. Young, D. Slattery, E. McGovern, T. McMahon and S. Gallacher (2005). "LC-UV and LC-MS methods for the determination of domoic acid." Trac-trends In Analytical Chemistry **24**(4): 358-367.

Hess, P., L. Nguyen, J. Aasen, M. Keogh, J. Kilcoyne, P. McCarron and T. Aune (2005). "Tissue distribution, effects of cooking and parameters affecting the extraction of azaspiracids from mussels, *Mytilus edulis*, prior to analysis by liquid chromatography coupled to mass spectrometry." Toxicon **46**(1): 62-71.

Hess, P. and E. Nicolau (2010). Recent developments in the detection of phycotoxins. 18èmes Rencontres en Toxinologie - Société Française pour l'Etude des Toxines (SFET); 13 - 14 décembre 2010, Institut Pasteur Paris.

Hess, P. and J.-L. Schwartz (2014). Biotoxines marines et santé publique - Interactions avec les systèmes membranaires et élucidation de leurs mécanismes d'action aux niveaux cellulaires et moléculaires.

Hess, P., M. J. Twiner, J. Kilcoyne and S. Sosa (2015). Azaspiracid Toxins: Toxicological Profile, Springer Science + Business Media.

Hess, P., L. O. Villacorte, M. B. Dixon, S. F. Boerlage, D. M. Anderson, M. D. Kennedy and J. C. Schippers (2017). Harmful Algal Blooms (HABs) and Desalination: A Guide to Impacts, Monitoring and Management, Intergovernmental Oceanographic Commission.

Hess, P. and D. Wells (2001). "Evaluation of dialysis as a technique for the removal of lipids prior to the GC determination of ortho- and non-ortho-chlorobiphenyls, using C-14-labelled congeners." Analyst **126**(6): 829-834.

Hessel-Pras, S., J. Kieshauer, G. Roenn, C. Luckert, A. Braeuning and A. Lampen (2019). "In vitro characterization of hepatic toxicity of Alternaria toxins." Mycotoxin Research **35**(2): 157-168.

Heussner, A. H., L. Mazija, J. Fastner and D. R. Dietrich (2012). "Toxin content and cytotoxicity of algal dietary supplements." Toxicology and Applied Pharmacology **265**(2): 263-271.

Hii, K. S., P. T. Lim, N. F. Kon, G. Usup, H. F. Gu and C. P. Leaw (2019). "Transcriptional and physiological responses to inorganic nutrition in a tropical Pacific strain of *Alexandrium minutum*: Implications for nutrient uptakes and assimilation." Gene **711**: 13.

Hill, L. M., W. W. Bowerman, J. C. Roos, W. C. Bridges and M. D. Anderson (2013). "Effects of water quality changes on phytoplankton and lesser flamingo *Phoeniconaias minor* populations at Kamfers Dam, a saline wetland near Kimberley, South Africa." African Journal of Aquatic Science **38**(3): 287-294.

Hillebrandt, N., P. Vormittag, N. Bluthardt, A. Dietrich and J. Hubbuch (2020). "Integrated Process for Capture and Purification of Virus-Like Particles: Enhancing Process Performance by Cross-Flow Filtration." Frontiers in Bioengineering and Biotechnology **8**: 16.

Hiltunen, T., A. Barreiro and N. G. Hairston (2012). "Mixotrophy and the toxicity of *Ochromonas* in pelagic food webs." Freshwater Biology **57**(11): 2262-2271.

Hinton, M. and J. S. Ramsdell (2008). "Brevetoxin in two planktivorous fishes after exposure to *Karenia brevis*: implications for food-web transfer to bottlenose dolphins." Marine Ecology Progress Series **356**: 251-258.

Hipskind, R. A., M. Baccarini and A. Nordheim (1994). "TRANSIENT ACTIVATION OF RAF-1, MEK, AND ERK2 COINCIDES KINETICALLY WITH TERNARY COMPLEX FACTOR PHOSPHORYLATION AND IMMEDIATE-EARLY GENE PROMOTER ACTIVITY IN-VIVO." Molecular and Cellular Biology **14**(9): 6219-6231.

Hirahara, K., T. Matsubayashi, H. Matsuura and T. Ehara (1998). "Intracellular Mg<sup>2+</sup> depletion depresses the delayed rectifier K<sup>+</sup> current in guinea pig ventricular myocytes." Japanese Journal of Physiology **48**(1): 81-89.

Hirose, K., M. Sasatsu, T. Toraishi and H. Onishi (2019). "Novel Xyloglucan Sheet for the Treatment of Deep Wounds: Preparation, Physicochemical Characteristics, and in Vivo Healing Effects." Biological & Pharmaceutical Bulletin **42**(8): 1409-1414.

Hisatome, I., Y. Kurata, N. Sasaki, T. Morisaki, H. Morisaki, Y. Tanaka, T. Urashima, T. Yatsuhashi, M. Tsuboi, F. Kitamura, J. Miake, S. Takeda, S. Taniguchi, K. Ogino, O. Igawa, A. Yoshida, R. Sato, N. Makita and C. Shigemasa (2000). "Block of sodium channels by divalent mercury: Role of specific cysteinyl residues in the P-loop region." Biophysical Journal **79**(3): 1336-1345.

Hitzfeld, B. C., S. J. Hoger and D. R. Dietrich (2000). "Cyanobacterial toxins: Removal during drinking water treatment, and human risk assessment." Environmental Health Perspectives **108**: 113-122.

Ho, L., J. Dreyfus, J. Boyer, T. Lowe, H. Bustamante, P. Duker, T. Meli and G. Newcombe (2012). "Fate of cyanobacteria and their metabolites during water treatment sludge management processes." Science of the Total Environment **424**: 232-238.

Ho, L., D. Hoefel, C. Grasset, S. Palazot, G. Newcombe, C. P. Saint and J. D. Brookes (2012). "Removal of cyanobacterial metabolites through wastewater treatment plant filters." Water Science and Technology **65**(7): 1244-1251.

Ho, L., T. Tang, D. Hoefel and B. Vigneswaran (2012). "Determination of rate constants and half-lives for the simultaneous biodegradation of several cyanobacterial metabolites in Australian source waters." Water Research **46**(17): 5735-5746.

Ho, L., P. Tanis-Plant, N. Kayal, N. Slyman and G. Newcombe (2009). "Optimising water treatment practices for the removal of Anabaena circinalis and its associated metabolites, geosmin and saxitoxins." Journal of Water and Health **7**(4): 544-556.

Hockenberger, A. S., S. Koral and M. A. Wilding (2005). "Recovery from strain and shrinkage measurements of poly(m-methylene terephthalate) and poly(ethylene 2,6-naphthalate) fibers." Textile Research Journal **75**(2): 111-116.

Hoeger, S. J., B. C. Hitzfeld and D. R. Dietrich (2005). "Occurrence and elimination of cyanobacterial toxins in drinking water treatment plants." Toxicology and Applied Pharmacology **203**(3): 231-242.

Hoeger, S. J., G. Shaw, B. C. Hitzfeld and D. R. Dietrich (2004). "Occurrence and elimination of cyanobacterial toxins in two Australian drinking water treatment plants." Toxicon **43**(6): 639-649.

Hoffmann, R., S. Jung, M. Ehrmann and H. W. Hofer (1994). "THE SACCHAROMYCES-CEREVISIAE GENE PPH3 ENCODES A PROTEIN PHOSPHATASE WITH PROPERTIES DIFFERENT FROM PPX, PP1 AND PP2A." Yeast **10**(5): 567-578.

Hoko, Z. and P. K. Makado (2011). "Optimization of algal removal process at Morton Jaffray water works, Harare, Zimbabwe." Physics and Chemistry of the Earth **36**(14-15): 1141-1150.

Hold, G. L., E. A. Smith, T. H. Birkbeck and S. Gallacher (2001). "Comparison of paralytic shellfish toxin (PST) production by the dinoflagellates *Alexandrium lusitanicum* NEPCC 253 and *Alexandrium*

tamarensis NEPCC 407 in the presence and absence of bacteria." *Fems Microbiology Ecology* **36**(2-3): 223-234.

Holen, I., P. B. Gordon and P. O. Seglen (1992). "PROTEIN KINASE-DEPENDENT EFFECTS OF OKADAIC ACID ON HEPATOCYTIC AUTOPHAGY AND CYTOSKELETAL INTEGRITY." *Biochemical Journal* **284**: 633-636.

Holmer, M., P. Lassus, J. Stewart and D. Wildish (2001). "ICES Symposium on Environmental Effects of Mariculture - Introduction." *Ices Journal Of Marine Science* **58**(2): 363-368.

Holmes, M. J., S. L. M. Teo, F. C. Lee and H. W. Khoo (1999). "Persistent low concentrations of diarrhetic shellfish toxins in green mussels *Perna viridis* from the Johor Strait, Singapore: first record of diarrhetic shellfish toxins from South-East Asia." *Marine Ecology Progress Series* **181**: 257-268.

Holmes, M. J., B. Venables and R. J. Lewis (2021). "Critical Review and Conceptual and Quantitative Models for the Transfer and Depuration of Ciguatoxins in Fishes." *Toxins* **13**(8): 57.

Hong, Y., H. Y. Hu, X. Xie, A. Sakoda, M. Sagehashi and F. M. Li (2009). "Gramine-induced growth inhibition, oxidative damage and antioxidant responses in freshwater cyanobacterium *Microcystis aeruginosa*." *Aquatic Toxicology* **91**(3): 262-269.

Honkanen, R. E. (1993). "CANTHARIDIN, ANOTHER NATURAL TOXIN THAT INHIBITS THE ACTIVITY OF SERINE THREONINE PROTEIN PHOSPHATASES TYPE-1 AND TYPE-2A." *Febs Letters* **330**(3): 283-286.

Hopkinson, B. M. and F. M. M. Morel (2009). "The role of siderophores in iron acquisition by photosynthetic marine microorganisms." *Biometals* **22**(4): 659-669.

Hori, M., F. Yazama, Y. Matsuura, R. Yoshimoto, T. Kaneda, T. Yasumoto, H. Ozaki and H. Karaki (2018). "Inhibition of actin polymerization by marine toxin pectenotoxin-2." *Journal of Veterinary Medical Science* **80**(2): 225-234.

Horn, M. and G. Banting (1994). "OKADAIC ACID TREATMENT LEADS TO A FRAGMENTATION OF THE TRANS-GOLGI NETWORK AND AN INCREASE IN EXPRESSION OF TGN38 AT THE CELL-SURFACE." *Biochemical Journal* **301**: 69-73.

Horne, A. J. (1997). *Phytoremediation by constructed wetlands*. Symposium on Phytoremediation of Trace Elements in Contaminated Soil and Water at the 4th International Conference on the Biogeochemistry of Trace Elements, Univ Ca Berkeley, Berkeley, Ca, Lewis Publishers Inc.

Horner, R. A., M. B. Kusske, B. P. Moynihan, R. N. Skinner and J. C. Wekell (1993). "RETENTION OF DOMOIC ACID BY PACIFIC RAZOR CLAMS, SILIQUA-PATULA (DIXON, 1789) - PRELIMINARY-STUDY." *Journal of Shellfish Research* **12**(2): 451-456.

Howard, A., A. T. McDonald, P. E. Kneale and P. G. Whitehead (1996). "Cyanobacterial (blue-green algal) blooms in the UK: A review of the current situation and potential management options." *Progress in Physical Geography* **20**(1): 53-61.

Hu, M. H., X. C. Qu, L. S. Pan, C. X. Fu, P. X. Jia, Q. G. Liu and Y. J. Wang (2017). "Effects of toxic *Microcystis aeruginosa* on the silver carp *Hypophthalmichthys molitrix* revealed by hepatic RNA-seq and miRNA-seq." *Scientific Reports* **7**: 12.

Hu, S. and P. C. H. Li (2001). "A capillary zone electrophoretic method for the study of formation of a covalent conjugate between microcystin LR and protein phosphatase 2A." *Analyst* **126**(7): 1001-1004.

Hu, T. M., I. Burton, J. M. Curtis, M. A. Quilliam, J. A. Walter, A. J. Windust and J. L. C. Wright (1999). "Oxidative transformation of a naturally occurring okadaic acid diol ester by the diatom Thalassiosira weissflogii." *Tetrahedron Letters* **40**(21): 3981-3984.

Hu, X., X. J. Hu, C. F. Tang, S. Z. Wen, X. F. Wu, J. Long, X. Yang, H. Wang and L. Zhou (2017). "Mechanisms underlying degradation pathways of microcystin-LR with doped TiO<sub>2</sub> photocatalysis." *Chemical Engineering Journal* **330**: 355-371.

Hu, X. J., S. Robin, S. O'Connell, G. Walsh and J. G. Wall (2010). "Engineering of a fungal beta-galactosidase to remove product inhibition by galactose." *Applied Microbiology and Biotechnology* **87**(5): 1773-1782.

Hu, Y. C., G. Ruiz-Mercado and V. Zavala (2019). *Spatio-Temporal Control of Nutrient Pollution from Organic Waste*. 29th European Symposium on Computer-Aided Process Engineering (ESCAPE), Eindhoven, NETHERLANDS, Elsevier Science Bv.

Huang, J., C. J. Yennie and S. Delaney (2015). "Klenow Fragment Discriminates against the Incorporation of the Hyperoxidized dGTP Lesion Spiroiminodihydantoin into DNA." *Chemical Research in Toxicology* **28**(12): 2325-2333.

Huang, J. C., Y. J. Zhang, G. B. Arhonditsis, J. F. Gao, Q. W. Chen and J. Peng (2020). "The magnitude and drivers of harmful algal blooms in China's lakes and reservoirs: A national-scale characterization." *Water Research* **181**: 15.

Huang, J. H., Y. H. Jiao, L. Li, D. W. Li, H. Y. Li and W. D. Yang (2021). "Small RNA analysis of *Perna viridis* after exposure to *Prorocentrum lima*, a DSP toxins-producing dinoflagellate." *Aquatic Toxicology* **239**: 10.

Huang, J. P., M. L. Cheng, C. H. Wang, S. S. Huang, P. S. Hsieh, C. C. Chang, C. Y. Kuo, K. H. Chen and L. M. Hung (2020). "Therapeutic potential of cPLA<sub>2</sub> inhibitor to counteract dilated-cardiomyopathy in cholesterol-treated H9C2 cardiomyocyte and MUNO rat." *Pharmacological Research* **160**: 12.

Huang, J. Y., M. Ghaly, P. Hobson and C. W. K. Chow "Innovative method of utilising hydrogen peroxide for source water management of cyanobacteria." *Environmental Science and Pollution Research*: 10.

Huang, L., Y. Zou, H. W. Weng, H. Y. Li, J. S. Liu and W. D. Yang (2015). "Proteomic profile in *Perna viridis* after exposed to *Prorocentrum lima*, a dinoflagellate producing DSP toxins." *Environmental Pollution* **196**: 350-357.

Huang, W. J., Y. L. Cheng and B. L. Cheng (2008). "Ozonation byproducts and determination of extracellular release in freshwater algae and cyanobacteria." *Environmental Engineering Science* **25**(2): 139-151.

Huang, Y. H., G. Kuminek, L. Roy, K. L. Cavanagh, Q. X. Yin and N. Rodriguez-Hornedo (2019). "Cocrystal Solubility Advantage Diagrams as a Means to Control Dissolution, Supersaturation, and Precipitation." *Molecular Pharmaceutics* **16**(9): 3887-3895.

Huber, J. L. A. and S. C. Huber (1992). "SITE-SPECIFIC SERINE PHOSPHORYLATION OF SPINACH LEAF SUCROSE-PHOSPHATE SYNTHASE." Biochemical Journal **283**: 877-882.

Huber, S. C., J. L. Huber and W. M. Kaiser (1994). "DIFFERENTIAL RESPONSE OF NITRATE REDUCTASE AND SUCROSE-PHOSPHATE SYNTHASE-ACTIVATION TO INORGANIC AND ORGANIC SALTS, IN-VITRO AND IN-SITU." Physiologia Plantarum **92**(2): 302-310.

Hudnell, H. K. (2005). "Chronic biotoxin-associated illness: Multiple-system symptoms, a vision deficit, and effective treatment." Neurotoxicology and Teratology **27**(5): 733-743.

Hudnell, H. K. and Q. Dortch (2008). Chapter 2: A synopsis of research needs identified at the interagency, international symposium on cyanobacterial harmful algal blooms (ISOC-HAB). Cyanobacterial Harmful Algal Blooms: State of the Science and Research Needs. H. K. Hudnell. Berlin, Springer-Verlag Berlin. **619**: 17-43.

Humpage, A. R. and I. R. Falconer (1999). "Microcystin-LR and liver tumor promotion: Effects on cytokinesis, ploidy, and apoptosis in cultured hepatocytes." Environmental Toxicology **14**(1): 61-75.

Humpage, A. R., S. M. Froscio, H. M. Lau, D. Murphy and J. Blackbeard (2012). "Evaluation of the Abraxis Strip Test for Microcystins (TM) for use with wastewater effluent and reservoir water." Water Research **46**(5): 1556-1565.

Hurtado, I., M. Aboal, E. Zafra and D. Campillo (2008). "Significance of microcystin production by benthic communities in water treatment systems of arid zones." Water Research **42**(4-5): 1245-1253.

Huy, N. T., S. Serada, D. T. X. Trang, R. Takano, Y. Kondo, K. Kanaori, K. Tajima, S. Hara and K. Kamei (2003). "Neutralization of toxic heme by Plasmodium falciparum histidine rich protein 2." Journal of Biochemistry **133**(5): 693-698.

Ibelings, B. W., L. C. Backer, W. E. A. Kardinaal and I. Chorus (2014). "Current approaches to cyanotoxin risk assessment and risk management around the globe." Harmful Algae **40**: 63-74.

Ibelings, B. W. and K. E. Havens (2008). Cyanobacterial toxins: a qualitative meta-analysis of concentrations, dosage and effects in freshwater, estuarine and marine biota. Cyanobacterial Harmful Algal Blooms: State of the Science and Research Needs. H. K. Hudnell. Berlin, Springer-Verlag Berlin. **619**: 675-732.

Ibrahim, W. M., E. H. Salim, Y. A. Azab and A. H. M. Ismail (2016). "Monitoring and removal of cyanobacterial toxins from drinking water by algal-activated carbon." Toxicology and Industrial Health **32**(10): 1752-1762.

Immenschuh, S., S. I. Iwahara and B. Schwennen (2002). "Induction of heme-binding protein 23 peroxiredoxin I gene expression by okadaic acid in cultured rat hepatocytes." DNA and Cell Biology **21**(4): 347-354.

Indrasena, W. M. and T. A. Gill (1999). "Thermal degradation of paralytic shellfish poisoning toxins in scallop digestive glands." Food Research International **32**(1): 49-57.

Indrasena, W. M. and T. A. Gill (2000). "Thermal degradation of partially purified paralytic shellfish poison toxins at different times, temperatures, and pH." Journal of Food Science **65**(6): 948-953.

Islam, A., D. Jeon, J. Ra, J. Shin, T. Y. Kim and Y. Lee (2018). "Transformation of microcystin-LR and olefinic compounds by ferrate(VI): Oxidative cleavage of olefinic double bonds as the primary reaction pathway." Water Research **141**: 268-278.

Itoh, H., A. Shimomura, S. Okubo, K. Ichikawa, M. Ito, T. Konishi and T. Nakano (1993). "INHIBITION OF MYOSIN LIGHT-CHAIN PHOSPHATASE DURING CA<sup>2+</sup>-INDEPENDENT VASOCONTRACTION." American Journal of Physiology **265**(5): C1319-C1324.

Iwasaki, S., M. Kataoka, M. Sekiguchi, Y. Shimazaki, K. Sato and M. Takahashi (2000). "Two distinct mechanisms underlie the stimulation of neurotransmitter release by phorbol esters in clonal rat pheochromocytoma PC12 cells." Journal of Biochemistry **128**(3): 407-414.

Jahan, S., S. Rehman, H. Ullah, A. Munawar, Q. Ul Ain and T. Iqbal (2016). "Ameliorative effect of quercetin against arsenic-induced sperm DNA damage and daily sperm production in adult male rats." Drug and Chemical Toxicology **39**(3): 290-296.

Jaime, E., C. Hummert, P. Hess and B. Luckas (2001). "Determination of paralytic shellfish poisoning toxins by high-performance ion-exchange chromatography." Journal Of Chromatography A **929**(1-2): 43-49.

Jain, A., K. Thakur, P. Kush and U. K. Jain (2014). "Docetaxel loaded chitosan nanoparticles: Formulation, characterization and cytotoxicity studies." International Journal of Biological Macromolecules **69**: 546-553.

Jalili, F., H. Trigui, J. F. G. Maldonado, S. Dorner, A. Zamyadi, B. J. Shapiro, Y. Terrat, N. Fortin, S. Sauve and M. Prevost (2021). "Can Cyanobacterial Diversity in the Source Predict the Diversity in Sludge and the Risk of Toxin Release in a Drinking Water Treatment Plant?" Toxins **13**(1): 19.

Jancula, D., M. Mikovcova, Z. Adamek and B. Marsalek (2008). "Changes in the photosynthetic activity of *Microcystis* colonies after gut passage through Nile tilapia (*Oreochromis niloticus*) and silver carp (*Hypophthalmichthys molitrix*)."Aquaculture Research **39**(3): 311-314.

Jaramillo, M., J. A. Joens and K. E. O'Shea (2020). "Fundamental Studies of the Singlet Oxygen Reactions with the Potent Marine Toxin Domoic Acid." Environmental Science & Technology **54**(10): 6073-6081.

Jaramillo, M. and K. O'Shea (2019). "Studies of the singlet oxygenation of Domoic acid: Mechanisms, kinetics and biological significance." Abstracts of Papers of the American Chemical Society **257**: 1.

Jauffrais, T., A. Contreras, C. Herrenknecht, P. Truquet, V. Sechet, U. Tillmann and P. Hess (2012). "Effect of *Azadinium spinosum* on the feeding behaviour and azaspiracid accumulation of *Mytilus edulis*."Aquatic Toxicology **124**: 179-187.

Jauffrais, T., C. Herrenknecht, V. Sechet, M. Sibat, U. Tillmann, B. Krock, J. Kilcoyne, C. O. Miles, P. McCarron, Z. Amzil and P. Hess (2012). "Quantitative analysis of azaspiracids in *Azadinium spinosum* cultures." Analytical And Bioanalytical Chemistry **403**(3): 833-846.

Jauffrais, T., J. Kilcoyne, C. Herrenknecht, P. Truquet, V. Sechet, C. O. Miles and P. Hess (2013). "Dissolved azaspiracids are absorbed and metabolized by blue mussels (*Mytilus edulis*)." Toxicon 65: 81-89.

Jauffrais, T., J. Kilcoyne, V. Sechet, C. Herrenknecht, P. Truquet, F. Herve, J.-B. Berard, C. Nulty, S. Taylor, U. Tillmann, C. O. Miles and P. Hess (2012). "Production and Isolation of Azaspiracid-1 and -2 from Azadinium spinosum Culture in Pilot Scale Photobioreactors." Marine Drugs 10(6): 1360-1382.

Jauffrais, T., C. Marcaillou, C. Herrenknecht, P. Truquet, V. Sechet, E. Nicolau, U. Tillmann and P. Hess (2012). "Azaspiracid accumulation, detoxification and biotransformation in blue mussels (*Mytilus edulis*) experimentally fed Azadinium spinosum." Toxicon 60(4): 582-595.

Jauffrais, T., V. Sechet, C. Herrenknecht, U. Tillmann, B. Krock, Z. Amzil and P. Hess (2010). Growth and toxin production of Azadinium spinosum in batch and continuous culture. 14th International Conference on Harmful Algae - ICHA 2010. 1-5 November 2010, Hersonissos, Crete.

Jauffrais, T., V. Sechet, C. Herrenknecht, P. Truquet, V. Savar, U. Tillmann and P. Hess (2013). "Effect of environmental and nutritional factors on growth and azaspiracid production of the dinoflagellate Azadinium spinosum." Harmful Algae 27: 138-148.

Jauffrais, T., V. Sechet, P. Truquet, Z. Amzil, C. Herrenknecht and P. Hess (2014). Effect of Dilution Rate on Azadinium spinosum and Azaspiracid (AZA) Production in Pilot Scale Photobioreactors for the Harvest of AZA1 and -2, Springer Netherlands.

Jennings, M. L. and M. F. Adame (1996). "Characterization of oxalate transport by the human erythrocyte band 3 protein." Journal of General Physiology 107(1): 145-159.

Jensen, P. H., K. E. Fladmark, B. T. Gjertsen and O. K. Vintermyr (1999). "Caspase I related protease inhibition retards the execution of okadaic acid and camptothecin induced apoptosis and PAI-2 cleavage, but not commitment to cell death in HL-60 cells." British Journal of Cancer 79(11-12): 1685-1691.

Jeon, B. S., J. Han, S. K. Kim, H. C. Oh and H. D. Park (2015). "The removal of *Microcystis* ichthyoblae cells and its hepatotoxin microcystin-LR during electrooxidation process using Pt/Ti electrodes." Journal of Environmental Science and Health Part a-Toxic/Hazardous Substances & Environmental Engineering 50(6): 563-570.

Jeon, Y., L. Li, J. Calvillo, H. Ryu, J. W. S. Domingo, O. Choi, J. Brown and Y. Seo (2020). "Impact of algal organic matter on the performance, cyanotoxin removal, and biofilms of biologically-active filtration systems." Water Research 184: 10.

Jeziorski, M. C., R. M. Greenberg and P. A. V. Anderson (1997). "Cloning of a putative voltage-gated sodium channel from the turbellarian flatworm *Bdelloura candida*." Parasitology 115: 289-296.

Ji, Y., Y. Che, E. J. Wright, P. McCarron, P. Hess and A. Li (2020). "Fatty acid ester metabolites of gymnodimine in shellfish collected from China and in mussels (*Mytilus galloprovincialis*) exposed to Karenia selliformis." Harmful Algae 92:

Ji, Y., J. B. Qiu, T. Xie, P. McCarron and A. F. Li (2018). "Accumulation and transformation of azaspiracids in scallops (*Chlamys farreri*) and mussels (*Mytilus galloprovincialis*) fed with Azadinium poporum, and response of antioxidant enzymes." Toxicon 143: 20-28.

Jiang, H., A. P. Kharam, M. D. Riedel, K. K. Parhi and Ieee (2010). A Synthesis Flow for Digital Signal Processing with Biomolecular Reactions. IEEE and ACM International Conference on Computer-Aided Design, San Jose, CA, Ieee.

Jiang, H., M. D. Riedel and K. K. Parhi (2011). Asynchronous Computation with Molecular Reactions. 45th Asilomar Conference on Signals, Systems and Computers (ASILOMAR), Pacific Grove, CA, Ieee.

Jiang, J. L., X. Y. Gu, R. Song, X. R. Wang and L. Y. Yang (2011). "Microcystin-LR induced oxidative stress and ultrastructural alterations in mesophyll cells of submerged macrophyte Vallisneria natans (Lour.) Hara." Journal of Hazardous Materials **190**(1-3): 188-196.

Jiang, L., Z. Luo, X. J. Loh, Y. L. Wu and Z. B. Li (2019). "PHA-Based Thermogel as a Controlled Zero-Order Chemotherapeutic Delivery System for the Effective Treatment of Melanoma." AcS Applied Bio Materials **2**(8): 3591-3600.

Jimenez-Rubio, G., O. Ugalde, L. Ortiz-Lopez, G. Ramirez-Rodriguez and G. Benitez-King (2008). "Melatonin: A potential coadyuvant in dementia treatment." Salud Mental **31**(3): 221-228.

Jin, G. and T. J. Bierma (2018). "Phosphorus Recovery From Surface Waters: Protecting Public Health and Closing the Nutrient Cycle." Journal of Environmental Health **81**(2): 16-22.

Jin, P., T. M. Weiger, Y. Y. Wu and I. B. Levitan (2002). "Phosphorylation-dependent functional coupling of hSlo calcium-dependent potassium channel and its h beta 4 subunit." Journal of Biological Chemistry **277**(12): 10014-10020.

Jin, W., C. F. Zhang, W. Zhang, W. C. Yuan, X. L. Zhang, H. J. Zhang, K. Qiu and Ieee (2016). Cost-effective DAC/ADC-induced Impacts on DSP-enabled Flexible ROADM Free from O-E-O Conversion and Optical Filter. IEEE/CIC International Conference on Communication in China (ICCC), Chengdu, PEOPLES R CHINA, Ieee.

Jing, J., R. Petroff, S. Shum, B. Crouthamel, A. R. Topletz, K. S. Grant, T. M. Burbacher and N. Isoherranen (2018). "Toxicokinetics and Physiologically Based Pharmacokinetic Modeling of the Shellfish Toxin Domoic Acid in Nonhuman Primates." Drug Metabolism and Disposition **46**(2): 155-165.

John, E. H. and K. J. Flynn (1999). "Amino acid uptake by the toxic dinoflagellate *Alexandrium fundyense*." Marine Biology **133**(1): 11-19.

Johnson, L., P. K. Chaturvedi and J. D. Williams (1992). "MISSING GENERATIONS OF SPERMATOCYTES AND SPERMATIDS IN SEMINIFEROUS EPITHELIUM CONTRIBUTE TO LOW EFFICIENCY OF SPERMATOGENESIS IN HUMANS." Biology of Reproduction **47**(6): 1091-1098.

Jones, K. G., W. J. Cooper and S. P. Mezyk (2009). "Bimolecular Rate Constant Determination for the Reaction of Hydroxyl Radicals with Domoic and Kainic Acid in Aqueous Solution." Environmental Science & Technology **43**(17): 6764-6768.

Jones, N. C., T. Nguyen, N. M. Corcoran, D. Velakoulis, T. Chen, R. Grundy, T. J. O'Brien and C. M. Hovens (2012). "Targeting hyperphosphorylated tau with sodium selenate suppresses seizures in rodent models." Neurobiology of Disease **45**(3): 897-901.

Jones, T. O., J. N. C. Whyte, L. D. Townsend, N. G. Ginther and G. K. Iwama (1995). "EFFECTS OF DOMOIC ACID ON HEMOLYMPH PH, PCO<sub>2</sub> AND PO<sub>2</sub> IN THE PACIFIC OYSTER, CRASSOSTREA-GIGAS AND THE CALIFORNIA MUSSEL, MYTILUS-CALIFORNIANUS." Aquatic Toxicology **31**(1): 43-55.

Jorgensen, K. and P. Andersen (2007). "Relation between the concentration of Dinophysis acuminata and diarrheic shellfish poisoning toxins in blue mussels (*Mytilus edulis*) during a toxic episode in the Limfjord (Denmark), 2006." Journal of Shellfish Research **26**(4): 1081-1087.

Jorgensen, K., U. Cold and K. Fischer (2008). "Accumulation and depuration of okadaic acid esters in the European green crab (*Carcinus maenas*) during a feeding study." Toxicon **51**(3): 468-472.

Joseph, S. K. and S. V. Ryan (1993). "PHOSPHORYLATION OF THE INOSITOL TRISPHOSPATE RECEPTOR IN ISOLATED RAT HEPATOCYTES." Journal of Biological Chemistry **268**(31): 23059-23065.

Joyce, E. M., X. G. Wu and T. J. Mason (2010). "Effect of ultrasonic frequency and power on algae suspensions." Journal of Environmental Science and Health Part a-Toxic/Hazardous Substances & Environmental Engineering **45**(7): 863-866.

Joyce, K. L., J. Porcelli and P. S. Cooke (1993). "NEONATAL GOITROGEN TREATMENT INCREASES ADULT TESTIS SIZE AND SPERM PRODUCTION IN THE MOUSE." Journal of Andrology **14**(6): 448-455.

Joyeux, M., C. Arnaud, M. J. Richard, D. M. Yellon, P. Demenge and C. Ribouot (2000). "Effect of okadaic acid, a protein phosphatase inhibitor on heat stress-induced HSP72 synthesis and thermotolerance." Cardiovascular Drugs and Therapy **14**(4): 441-446.

Jung, M. H., V. Chico, S. Ciordia, M. C. Mena, S. J. Jung and M. D. Ortega-Villaizan (2019). "The Megalocytivirus RBIV Induces Apoptosis and MHC Class I Presentation in Rock Bream (*Oplegnathus fasciatus*) Red Blood Cells." Frontiers in Immunology **10**: 14.

Kabilan, S., P. Kirubasankar and K. Krishnasamy (2006). "Oxidative cleavage of some ortho- and para-substituted benzilides by N-bromoacetamide. Kinetic and correlation analysis." Oxidation Communications **29**(2): 335-342.

Kabilan, S., K. Krishnasamy and P. Sankar (1995). "OXIDATIVE CLEAVAGE OF PHENYLTHIOACETIC ACIDS BY PYRIDINIUM DICHROMATE IN ACETONITRILE MEDIUM - KINETIC AND CORRELATION STUDY." Oxidation Communications **18**(3): 288-294.

Kabilan, S., K. Pandiarajan, K. Krishnasamy and P. Sankar (1995). "OXIDATIVE CLEAVAGE OF S-ARYLMERCAPTOACETIC ACIDS BY SODIUM PERBORATE - KINETIC AND CORRELATION STUDY." International Journal of Chemical Kinetics **27**(5): 443-451.

Kacem, I., G. G. Papiol, P. de la Iglesia, J. Diogene, B. Hajjem and N. Bouaicha (2015). "Comparative Toxicity and Paralytic Shellfish Poisoning Toxin Profiles in the Mussel *Mytilus galloprovincialis* and the Oyster *Crassostrea gigas* Collected from a Mediterranean Lagoon in Tunisia: A Food Safety Concern." International Journal of Food Properties **18**(5): 1075-1085.

Kachinskas, D. J., M. A. Phillips, Q. Qin, J. D. Stokes and R. H. Rice (1994). "ARSENATE PERTURBATION OF HUMAN KERATINOCYTE DIFFERENTIATION." Cell Growth & Differentiation **5**(11): 1235-1241.

Kaji, D. M. and C. Gasson (1995). "UREA ACTIVATION OF K-CL TRANSPORT IN HUMAN ERYTHROCYTES." *American Journal of Physiology-Cell Physiology* **268**(4): C1018-C1025.

Kaji, D. M. and Y. Tsukitani (1991). "ROLE OF PROTEIN PHOSPHATASE IN ACTIVATION OF KCL COTRANSPORT IN HUMAN ERYTHROCYTES." *American Journal of Physiology* **260**(1): C176-C180.

Kakeya, H., R. Onose and H. Osada (1998). "Caspase-mediated activation of a 36-kDa myelin basic protein kinase during anticancer drug-induced apoptosis." *Cancer Research* **58**(21): 4888-4894.

Kakii, K., H. Kato, K. Ohara, Y. Kawai, M. Yoshida, M. Kuriyama and T. Shirakashi (1994). "REFLOCCULATION OF SEWAGE ACTIVATED-SLUDGE DISRUPTED BY ULTRASONICATION." *Seibutsu-Kogaku Kaishi-Journal of the Society for Fermentation and Bioengineering* **72**(5): 371-377.

Kamat, P. K., S. Rai, S. Swarnkar, R. Shukla, S. Ali, A. K. Najmi and C. Nath (2013). "OKADAIC ACID-INDUCED TAU PHOSPHORYLATION IN RAT BRAIN: ROLE OF NMDA RECEPTOR." *Neuroscience* **238**: 97-113.

Kamat, P. K., S. Tota, R. Shukla, S. Ali, A. K. Najmi and C. Nath (2011). "Mitochondrial dysfunction: A crucial event in okadaic acid (ICV) induced memory impairment and apoptotic cell death in rat brain." *Pharmacology Biochemistry and Behavior* **100**(2): 311-319.

Kamibayashi, C., R. Estes, C. Slaughter and M. C. Mumby (1991). "SUBUNIT INTERACTIONS CONTROL PROTEIN PHOSPHATASE-2A - EFFECTS OF LIMITED PROTEOLYSIS, N-ETHYLMALEIMIDE, AND HEPARIN ON THE INTERACTION OF THE B-SUBUNIT." *Journal of Biological Chemistry* **266**(20): 13251-13260.

Kaminski, A., E. Chrapusta, M. Adamski, B. Bober, K. Zabaglo and J. Bialczyk (2016). "Determination of the time-dependent response of *Lemna trisulca* to the harmful impact of the cyanotoxin anatoxin-a." *Algal Research-Biomass Biofuels and Bioproducts* **16**: 368-375.

Kammermeier, P. J. and S. W. Jones (1998). "Facilitation of L-type calcium current in thalamic neurons." *Journal of Neurophysiology* **79**(1): 410-417.

Kamp, L., J. L. Church, J. Carpino, E. Faltin-Mara and F. Rubio (2016). "The effects of water sample treatment, preparation, and storage prior to cyanotoxin analysis for cylindrospermopsin, microcystin and saxitoxin." *Chemico-Biological Interactions* **246**: 45-51.

Kantorow, M., T. Kays, J. Horwitz, Q. L. Huang, J. Sun, J. Piatigorsky and D. Carper (1998). "Differential display detects altered gene expression between cataractous and normal human lenses." *Investigative Ophthalmology & Visual Science* **39**(12): 2344-2354.

Kao, Y. H., N. Igarashi, D. A. Uyghurturk, Z. Li, Y. Zhang, H. Ohshima, M. MacDougall, Y. Takano, P. Den Besten and Y. Nakano (2021). "Fluoride Alters Signaling Pathways Associated with the Initiation of Dentin Mineralization in Enamel Fluorosis Susceptible Mice." *Biological Trace Element Research* **199**(8): 3021-3034.

Karner, D. A., A. J. H. Standridge, G. W. Harrington and R. P. Barnum (2001). "Microcystin algal toxins in source and finished drinking water." *Journal American Water Works Association* **93**(8): 72-81.

Kataev, A. A., Z. I. Andreeva-Kovalevskaya, A. S. Solonin and V. I. Ternovsky (2012). "Bacillus cereus can attack the cell membranes of the alga Chara corallina by means of HlyII." Biochimica Et Biophysica Acta-Biomembranes **1818**(5): 1235-1241.

Kato-Unoki, Y., Y. Takai, Y. Nagano, S. Matsunaga, S. Enoki, T. Takamura, S. Kim, M. Kinoshita, T. Kitano, Y. Shimasaki and Y. Oshima (2020). "Production of a tributyltin-binding protein 2 knockout mutant strain of Japanese medaka, Oryzias latipes." Marine Pollution Bulletin **160**: 8.

Kayal, M., M. Cigala, E. Cambra, N. Soulat, M. Mercader, A. Lebras, P. Ivanoff, L. Sébési, A. Lassus-Debat, V. Hartmann, M. Bradtke, P. Lenfant, C. Jabouin, J. Dubreuil, D. Pelletier, M. Joguet, S. Le Mellionne, M. Brichet, J.-L. Binche, J. Payrot, G. Saragoni, R. Crech'riou and M. Verdoit-Jarraya (2020). "Marine reserve benefits and recreational fishing yields: The winners and the losers." Plos One **15**(12).

Kayal, N., G. Newcombe and L. Ho (2008). "Investigating the Fate of Saxitoxins in Biologically Active Water Treatment Plant Filters." Environmental Toxicology **23**(6): 751-755.

Kazemi, M., J. Emami, F. Hasanzadeh, M. Minaiyan, M. Mirian, A. Lavasanifar and M. Mokhtari (2020). "In Vitro and In Vivo Evaluation of Novel DTX-Loaded Multifunctional Heparin-Based Polymeric Micelles Targeting Folate Receptors and Endosomes." Recent Patents on Anti-Cancer Drug Discovery **15**(4): 341-359.

Kenefick, S. L., S. E. Hrudey, H. G. Peterson and E. E. Prepas (1993). "TOXIN RELEASE FROM MICROCYSTIS-AERUGINOSA AFTER CHEMICAL TREATMENT." Water Science and Technology **27**(3-4): 433-440.

Kenton, N. T., D. Adu-Ampratwum, A. A. Okumu, P. McCarron, J. Kilcoyne, F. Rise, A. L. Wilkins, C. O. Miles and C. J. Forsyth (2018). "Stereochemical Definition of the Natural Product (6R,10R,13R,14R,16R,17R,19S,20S,21R,24S,25S,28S,30S,32R,33R,34R,36S,37S, 39R)-Azaspiracid-3 by Total Synthesis and Comparative Analyses." Angewandte Chemie-International Edition **57**(3): 810-813.

Keppel, M., H. Piepenbreier, C. Gatgens, G. Fritz and J. Frunzke (2019). "Toxic but tasty - temporal dynamics and network architecture of heme-responsive two-component signaling in Corynebacterium glutamicum." Molecular Microbiology **111**(5): 1367-1381.

Kerkhoff, C. M., K. D. Martinello, D. S. P. Franco, M. S. Netto, J. Georgin, E. L. Foletto, D. G. A. Piccilli, L. F. O. Silva and G. L. Dotto (2021). "Adsorption of ketoprofen and paracetamol and treatment of a synthetic mixture by novel porous carbon derived from Butia capitata endocarp." Journal of Molecular Liquids **339**: 14.

Khan, R. A., J. Y. Liu and Y. L. Zhang (2014). "Catalytic inactivation of alkaline phosphatase by cantharidin, an inhibitor of protein phosphatase." Rsc Advances **4**(91): 49987-49994.

Kharkar, P. B., S. S. Talkar and V. B. Patravale (2020). "An industrially viable technique for fabrication of docetaxel NLCs for oncotherapy." International Journal of Pharmaceutics **577**: 10.

Khosravian, P., M. S. Ardestani, M. Khoobi, S. N. Ostad, F. A. Dorkoosh, H. A. Javar and M. Amanlou (2016). "Mesoporous silica nanoparticles functionalized with folic acid/methionine for active targeted delivery of docetaxel." Oncotargets and Therapy **9**: 7315-7330.

Kilcoyne, J., T. Jauffrais, M. J. Twiner, G. J. Doucette, J. A. Aasen Bunaes, S. Sosa, B. Krock, V. Sechet, C. Nulty, R. Salas, D. Clarke, J. Geraghty, C. Duffy, B. Foley, U. John, M. A. Quilliam, P. McCarron, C. O. Miles, J. Silke, A. Cembella, U. Tilmann and P. Hess (2014). AZASPIRACIDS – Toxicological Evaluation, Test Methods and Identification of the Source Organisms (ASTOX II), Marine Institute.

Kilcoyne, J., A. Keogh, G. Clancy, P. Leblanc, I. Burton, M. A. Quilliam, P. Hess and C. O. Miles (2012). "Improved Isolation Procedure for Azaspiracids from Shellfish, Structural Elucidation of Azaspiracid-6, and Stability Studies." *Journal Of Agricultural And Food Chemistry* **60**(10): 2447-2455.

Kilcoyne, J., P. McCarron, P. Hess and C. O. Miles (2015). "Effects of Heating on Proportions of Azaspiracids 1–10 in Mussels ( *Mytilus edulis* ) and Identification of Carboxylated Precursors for Azaspiracids 5, 10, 13, and 15." *Journal Of Agricultural And Food Chemistry* **63**(51): 10980-10987.

Kilcoyne, J., P. McCarron, M. J. Twiner, F. Rise, P. Hess, A. L. Wilkins and C. O. Miles (2018). "Identification of 21,22-Dehydroazaspiracids in Mussels ( *Mytilus edulis* ) and in Vitro Toxicity of Azaspiracid-26." *Journal Of Natural Products* **81**(4): 885-893.

Kilcoyne, J., A. McCoy, S. Burrell, B. Krock and U. Tillmann (2019). "Effects of Temperature, Growth Media, and Photoperiod on Growth and Toxin Production of Azadinium spinosum." *Marine Drugs* **17**(9): 16.

Kilcoyne, J., C. Nulty, T. Jauffrais, P. McCarron, F. Herve, B. Foley, F. Rise, S. Crain, A. L. Wilkins, M. J. Twiner, P. Hess and C. O. Miles (2014). "Isolation, Structure Elucidation, Relative LC-MS Response, and in Vitro Toxicity of Azaspiracids from the Dinoflagellate Azadinium spinosum." *Journal Of Natural Products* **77**(11): 2465-2474.

Kilcoyne, J., M. J. Twiner, P. McCarron, S. Crain, S. D. Giddings, B. Foley, F. Rise, P. Hess, A. L. Willdns and C. O. Miles (2015). "Structure Elucidation, Relative LC-MS Response and In Vitro Toxicity of Azaspiracids 7–10 Isolated from Mussels (*Mytilus edulis*)."*Journal Of Agricultural And Food Chemistry* **63**(20): 5083-5091.

Kim, C. S., A. Virella, R. C. Braunberg, I. A. Ross, R. N. Matthews, W. Johnson and L. Friedman (1996). "Kinetic analysis of glutamate transport by the miniswine choroid plexus in vitro." *Brain Research* **709**(1): 59-64.

Kim, D. (1991). "MODULATION OF ACETYLCHOLINE-ACTIVATED K<sup>+</sup> CHANNEL FUNCTION IN RAT ATRIAL CELLS BY PHOSPHORYLATION." *Journal of Physiology-London* **437**: 133-155.

Kim, D. H., H. Ouyang and G. C. Li (1995). "HEAT-SHOCK PROTEIN HSP70 ACCELERATES THE RECOVERY OF HEAT-SHOCKED MAMMALIAN-CELLS THROUGH ITS MODULATION OF HEAT-SHOCK TRANSCRIPTION FACTOR HSF1." *Proceedings of the National Academy of Sciences of the United States of America* **92**(6): 2126-2130.

Kim, H. J., Y. K. Kim, J. Y. Park and J. Kim (2002). "Light signalling mediated by phytochrome plays an important role in cold-induced gene expression through the C-repeat/dehydration responsive element (C/DRE) in *Arabidopsis thaliana*." *Plant Journal* **29**(6): 693-704.

Kim, J., S. H. Lee, J. W. Park and Ieee (2017). *Inertia-Free Stand-Alone Microgrid, Part II: Inertia Control and Stability with PMSG Wind Turbine System*. 4th Annual Meeting of the IEEE-Industry-Applications-Society (IAS), Cincinnati, OH, Ieee.

Kim, N. H., D. S. Ko, E. J. Ha, S. Ahn, K. S. Choi and H. J. Kwon (2021). "Optimized Detoxification of a Live Attenuated Vaccine Strain (SG9R) to Improve Vaccine Strategy against Fowl Typhoid." Vaccines **9**(2): 13.

Kim, P., J. H. Song and T. K. Song (2020). "A new frequency domain passive acoustic mapping method using passive Hilbert beamforming to reduce the computational complexity of fast Fourier transform." Ultrasonics **102**: 10.

Kim, Y., K. H. Pesis and H. R. Matthews (1995). "REMOVAL OF PHOSPHATE FROM PHOSPHOHISTIDINE IN PROTEINS." Biochimica Et Biophysica Acta-Molecular Cell Research **1268**(2): 221-228.

Kingtong, S., Y. Chitramvong and T. Janvilisri (2007). "ATP-binding cassette multidrug transporters in Indian-rock oyster *Saccostrea forskali* and their role in the export of an environmental organic pollutant tributyltin." Aquatic Toxicology **85**(2): 124-132.

Kinley, C. M., K. J. Iwinski-Wood, T. D. Geer, M. Hendrikse, A. D. McQueen, A. J. Calomeni, J. Liang, V. Friesen, M. C. Simair and J. H. Rodgers (2018). "Microcystin-LR Degradation Following Copper-Based Algaecide Exposures." Water Air and Soil Pollution **229**(3): 13.

Kirk, R. I., M. R. Sanderson and K. M. Lerea (2000). "Threonine phosphorylation of the beta(3) integrin cytoplasmic tail, at a site recognized by PDK1 and Akt/PKB in vitro, regulates Shc binding." Journal of Biological Chemistry **275**(40): 30901-30906.

Kitchen, S. A., A. J. Bourdelais and A. R. Taylor (2018). "Interaction of a dinoflagellate neurotoxin with voltage-activated ion channels in a marine diatom." PeerJ **6**: 22.

Kittler, K., V. Fessard, R. Maul and D. Hurtaud-Pessel (2014). "CYP3A4 activity reduces the cytotoxic effects of okadaic acid in HepaRG cells." Archives of Toxicology **88**(8): 1519-1526.

Kiuchi, H., T. Okada, K. Karatsu and Y. Sekimoto (2015). "A Frequency Sweeping Readout System for Kinetic Inductance Detectors Based on Submillimeter Radio Astronomy." Ieee Transactions on Terahertz Science and Technology **5**(3): 456-463.

Kiyani, K. H., S. C. Chapman, F. Sahraoui, B. Hnat, O. Fauvarque and Y. V. Khotyaintsev (2013). "ENHANCED MAGNETIC COMPRESSIBILITY AND ISOTROPIC SCALE INVARIANCE AT SUB-ION LARMOR SCALES IN SOLAR WIND TURBULENCE." Astrophysical Journal **763**(1): 13.

Kleijn, M., C. L. J. Vrins, H. O. Voorma and A. A. M. Thomas (1996). "Phosphorylation state of the cap-binding protein eIF4E during viral infection." Virology **217**(2): 486-494.

Kleinhaus, A. L. and R. J. Zeman (1994). "PROTEIN PHOSPHATASE INHIBITORS PROLONG CA<sub>2+</sub>-TRANSIENTS AND DIVALENT CATION-DEPENDENT ACTION-POTENTIALS IN LEECH RETZIUS CELLS." Brain Research **650**(2): 326-330.

Kolrep, F., S. Hessel, A. These, A. Ehlers, K. Rein and A. Lampen (2016). "Differences in metabolism of the marine biotoxin okadaic acid by human and rat cytochrome P450 monooxygenases." Archives of Toxicology **90**(8): 2025-2036.

Kolrep, F., K. Rein, A. Lampen and S. Hessel-Pras (2017). "Metabolism of okadaic acid by NADPH-dependent enzymes present in human or rat liver S9 fractions results in different toxic effects." Toxicology in Vitro **42**: 161-170.

Kolypczuk, L., M. Etienne, C. Knockaert, H. Loreal, G. Piclet and C. Chopin (2009). Produits de la mer, Editions Tec & Doc Lavoisier.

Komano, A., H. Maruko, H. Sekiguchi and Y. Seto (2011). "Detection of saxitoxin in counterterrorism using a commercial lateral flow immunoassay kit." Forensic Toxicology **29**(1): 38-43.

Kong, L. L., P. P. Liu, M. L. Li, H. Z. Wang, J. X. Shi, J. J. Hu, Y. R. Li and X. L. Hu (2021). "Transcriptional Responses of Flavin-Containing Monooxygenase Genes in Scallops Exposed to PST-Producing Dinoflagellates Implying Their Involvements in Detoxification." Frontiers in Marine Science **8**: 11.

Kong, X. B. and H. Y. Wang (2010). A Spool Displacement Control System of Proportional Valve Based on Digital Observer. 14th Conference of China University Society on Manufacturing Automation, Jiaozuo, PEOPLES R CHINA, Trans Tech Publications Ltd.

Kong, X. T., J. X. Ma, P. Le-Clech, Z. W. Wang, C. Y. Tang and T. D. Waite (2020). "Management of concentrate and waste streams for membrane-based algal separation in water treatment: A review." Water Research **183**: 17.

Konoki, K., K. Okada, M. Kohama, H. Matsuura, K. Saito, Y. Cho, G. Nishitani, T. Miyamoto, S. Fukuzawa, K. Tachibana and M. Yotsu-Yamashita (2015). "Identification of okadaic acid binding protein 2 in reconstituted sponge cell clusters from *Halichondria okadai* and its contribution to the detoxification of okadaic acid." Toxicon **108**: 38-45.

Konoki, K., T. Onoda, R. Watanabe, Y. Cho, S. Kaga, T. Suzuki and M. Yotsu-Yamashita (2013). "In Vitro Acylation of Okadaic Acid in the Presence of Various Bivalves' Extracts." Marine Drugs **11**(2): 300-315.

Koslovsky, N. and A. A. Livne (1993). "PROTEIN-KINASE-C OF HUMAN PLATELETS - RESOLUTION OF CA2+-DEPENDENT AND INDEPENDENT FORMS BY MEASURING ENDOGENOUS PHOSPHORYLATION." Platelets **4**(6): 332-337.

Kotak, B. G. and R. W. Zurawell (2007). "Cyanobacterial toxins in Canadian freshwaters: A review." Lake and Reservoir Management **23**(2): 109-122.

Kouakou, C., J.-P. Berge, R. Baron, L. Lethuaut, C. Prost and M. Cardinal (2014). "Odor Modification in Salmon Hydrolysates Using the Maillard Reaction." Journal Of Aquatic Food Product Technology **23**(5): 453-467.

Kowalik-Klimczak, A., M. Zalewski and P. Gierycz (2016). "PREDICTION OF THE CHROMIUM (III) SEPARATION FROM ACIDIC SALT SOLUTIONS ON NANOFILTRATION MEMBRANES USING DONNAN AND STERIC PARTITIONING PORE (DSP) MODEL." Architecture Civil Engineering Environment **9**(3): 135-140.

Kowalik-Klimczak, A., M. Zalewski and P. Gierycz (2016). "Removal of Cr(III) ions from salt solution by nanofiltration: experimental and modelling analysis." Polish Journal of Chemical Technology **18**(3): 10-16.

Kozlowsky-Suzuki, B., M. Koski, E. Hallberg, R. Wallen and P. Carlsson (2009). "Glutathione transferase activity and oocyte development in copepods exposed to toxic phytoplankton." Harmful Algae **8**(3): 395-406.

Krarup, T. and P. B. Dunham (1996). "Reconstitution of calyculin-inhibited K-Cl cotransport in dog erythrocyte ghosts by exogenous PP-1." American Journal of Physiology-Cell Physiology **270**(3): C898-C902.

Kraszewski, K., O. Mundigl, L. Daniell, C. Verderio, M. Matteoli and P. Decamilli (1995). "SYNAPTIC VESICLE DYNAMICS IN LIVING CULTURED HIPPOCAMPAL-NEURONS VISUALIZED WITH CY3-CONJUGATED ANTIBODIES DIRECTED AGAINST THE LUMENAL DOMAIN OF SYNAPTOTAGMIN." Journal of Neuroscience **15**(6): 4328-4342.

Kraveka, J. M., L. Li, Z. M. Szulc, J. Bielawski, B. Ogretmen, Y. A. Hannun, L. M. Obeid and A. Bielawska (2007). "Involvement of dihydroceramide desaturase in cell cycle progression in human neuroblastoma cells." Journal of Biological Chemistry **282**(23): 16718-16728.

Kristiansen, S., J. Youn and E. A. Richter (1996). "Effect of vanadate on glucose transporter (GLUT4) intrinsic activity in skeletal muscle plasma membrane giant vesicles." Biochimica Et Biophysica Acta-Biomembranes **1282**(1): 71-75.

Krogstad, F. T. O., W. C. Griffith, E. M. Vigoren and E. M. Faustman (2009). "Re-evaluating blue mussel depuration rates in 'Dynamics of the phycotoxin domoic acid: accumulation and excretion in two commercially important bivalves'." Journal of Applied Phycology **21**(6): 745-746.

Kroics, K. and V. Brazis (2014). DIGITALLY CONTROLLED SYNCHRONOUS BUCK-BOOST CONVERTER FOR ULTRACAPACITOR BASED ENERGY STORAGE APPLICATION. 13th International Scientific Conference on Engineering for Rural Development, Jelgava, LATVIA, Latvia Univ Agriculture, Faculty Engineering, Inst Mechanics.

Kronbach, T., D. Mathys and U. A. Meyer (1986). "DEBRISOQUINE/SPARTEINE-TYPE POLYMORPHISM (DSP) OF DRUG OXIDATION - KINETIC CHARACTERIZATION OF THE DEFECTIVE HUMAN HEPATIC ENZYME-SYSTEM USING BUFURALOL, DEBRISOQUINE AND DEXTROMETHORPHAN AS PROTOTYPE SUBSTRATES." Experientia **42**(6): 700-700.

Kudela, R. M., S. Seeyave and W. P. Cochlan (2010). "The role of nutrients in regulation and promotion of harmful algal blooms in upwelling systems." Progress in Oceanography **85**(1-2): 122-135.

Kuhla, B., H. J. Luth, D. Haferburg, M. Weick, A. Reichenbach, T. Arendt and G. Munch (2006). "Pathological effects of glyoxalase I inhibition in SH-SY5Y neuroblastoma cells." Journal of Neuroscience Research **83**(8): 1591-1600.

Kulagina, N., M. Twiner, P. Hess, T. McMahon, M. Satake, T. Yasumoto, J. Ramsdell, G. Doucette, W. Ma and T. O'Shaughnessy (2006). "Azaspiracid-1 inhibits bioelectrical activity of spinal cord neuronal networks." Toxicon **47**(7): 766-773.

Kumagai, M., T. Yanagi, M. Murata, T. Yasumoto, M. Kat, P. Lassus and J. Rodriguez-Vazquez (1986). "Okadaic Acid as the Causative Toxin of Diarrhetic Shellfish Poisoning in Europe." Agricultural And Biological Chemistry **50**(11): 2853-2857.

Kumar, A., B. Bhunia, D. Dasgupta, T. Mandal, A. Dey, S. Datta and P. Bhattacharya (2013). "Optimization of culture condition for growth and phenol degradation by Alcaligenes faecalis JF339228 using Taguchi Methodology." *Desalination and Water Treatment* **51**(16-18): 3153-3163.

Kumar, C. C., R. Diao, Z. Z. Yin, Y. H. Liu, A. A. Samatar, V. Madison and L. Xiao (2001). "Expression, purification, characterization and homology modeling of active Akt/PKB, a key enzyme involved in cell survival signaling." *Biochimica Et Biophysica Acta-General Subjects* **1526**(3): 257-268.

Kumar, D. N. (2020). "Spectral characterization of tetradeinate Schiff base complexes of N<sub>2</sub>O<sub>2</sub> donor groups." *Indian Journal of Chemistry Section a-Inorganic Bio-Inorganic Physical Theoretical & Analytical Chemistry* **59**(2): 200-206.

Kumar, D. N. and B. S. Garg (2006). "Synthesis and spectroscopic studies of complexes of zinc(II) with N<sub>2</sub>O<sub>2</sub> donor groups." *Spectrochimica Acta Part a-Molecular and Biomolecular Spectroscopy* **64**(1): 141-147.

Kumar, P., M. Cledon and S. K. Brar (2020). "A low-cost graphitized sand filter to deliver MC-LR-free potable water: Water treatment plants and household perspective." *Science of the Total Environment* **747**: 12.

Kumar, P., K. Hegde, S. K. Brar, M. Cledon and A. Kermanshahi-Pour (2019). "Potential of biological approaches for cyanotoxin removal from drinking Check for water: A review." *Ecotoxicology and Environmental Safety* **172**: 488-503.

Kumar, P., K. Hegde, S. K. Brar, M. Cledon, A. Kermanshahi-pour, A. Roy-Lachapelle, S. Sauve and R. Galvez-Cloutier (2020). "Co-culturing of native bacteria from drinking water treatment plant with known degraders to accelerate microcystin-LR removal using biofilter." *Chemical Engineering Journal* **383**: 14.

Kumar, P., K. Hegde, S. K. Brar, M. Cledon and A. K. Pour (2018). "Physico-chemical treatment for the degradation of cyanotoxins with emphasis on drinking water treatment-How far have we come?" *Journal of Environmental Chemical Engineering* **6**(4): 5369-5388.

Kumar, P., H. Rehab, K. Hegde, S. K. Brar, M. Cledon, A. Kermanshahi-pour, S. V. Duy, S. Sauve and R. Y. Surampalli (2020). "Physical and biological removal of Microcystin-LR and other water contaminants in a biofilter using Manganese Dioxide coated sand and Graphene sand composites." *Science of the Total Environment* **703**: 14.

Kumar, V., A. Kumaresan, D. S. P. Kumar, S. Lathika, S. Nayak, K. K. Saraf, B. S. P. Nag, S. Chhillar, T. K. Datta and T. K. Mohanty (2017). "Anandamide exerts a suppressive effect on sperm binding to oviduct explants through CB1 receptors in the water buffalo (*Bubalus bubalis*)."*Animal Reproduction Science* **185**: 188-194.

Kurata, Y., I. Hisatome, M. Tsuboi, H. Uenishi, G. Zhang, M. Oyaizu, R. Sato and S. Imanishi (1998). "Effect of sulfhydryl oxidoreduction on permeability of cardiac tetrodotoxin-insensitive sodium channel." *Life Sciences* **63**(12): 1023-1035.

Kushmerick, C., M. D. Castro, J. S. Cruz, C. Bloch and P. S. L. Beirao (1998). "Functional and structural features of gamma-zeathionins, a new class of sodium channel blockers." *Febs Letters* **440**(3): 302-306.

Kuwahara, Y., M. H. Roudkenar, M. Suzuki, Y. Urushihara, M. Fukumoto, Y. Saito and M. Fukumoto (2016). "The Involvement of Mitochondrial Membrane Potential in Cross-Resistance Between Radiation and Docetaxel." International Journal of Radiation Oncology Biology Physics **96**(3): 556-565.

Kwak, Y. G., R. A. Navarro-Polanco, T. Grobaski, D. J. Gallagher and M. M. Tamkun (1999). "Phosphorylation is required for alteration of Kv1.5 K<sup>+</sup> channel function by the Kv beta 1.3 subunit." Journal of Biological Chemistry **274**(36): 25355-25361.

Kwong, R. W. M., W. X. Wang, P. K. S. Lam and P. K. N. Yu (2006). "The uptake, distribution and elimination of paralytic shellfish toxins in mussels and fish exposed to toxic dinoflagellates." Aquatic Toxicology **80**(1): 82-91.

Laabir, M., Z. Amzil, P. Lassus, E. Masseret, Y. Tapilatu, R. de Vargas and D. Grzebyk (2007). "Viability, growth and toxicity of Alexandrium catenella and Alexandrium minutum (Dinophyceae) following ingestion and gut passage in the oyster Crassostrea gigas." Aquatic Living Resources **20**(1): 51-57.

Laabir, M., P. Lassus, Z. Amzil, M. Bardouil, P. Truquet, Y. Tapilatu and R. de Vargas (2005). Capacité d'enkystement, de survie et de germination et toxicité des principales espèces toxiques (affectant le littoral français) après transit stomacal chez Crassostrea gigas. PNEC - Projet Survitox - Rapport 2004-2005, CNRS / UNIVERSITE MONTPELLIER / IFREMER.

Labhart, P. (1994). "IDENTIFICATION OF 2 STEPS DURING XENOPUS RIBOSOMAL GENE-TRANSCRIPTION THAT ARE SENSITIVE TO PROTEIN-PHOSPHORYLATION." Molecular and Cellular Biology **14**(3): 2011-2020.

Lage, S., J. Raimundo, V. Brotas and P. R. Costa (2012). "Detection and sub-cellular distribution of the amnesic shellfish toxin, domoic acid, in the digestive gland of Octopus vulgaris during periods of toxin absence." Marine Biology Research **8**(8): 784-789.

Lail, E. M., S. A. Skrabal, R. J. Kieber, R. C. Bouillon and J. L. C. Wright (2007). "The role of particles on the biogeochemical cycling of domoic acid and its isomers in natural water matrices." Harmful Algae **6**(5): 651-657.

Lam, T. P., T. M. Lee, C. Y. Chen and J. S. Chang (2018). "Strategies to control biological contaminants during microalgal cultivation in open ponds." Bioresource Technology **252**: 180-187.

Lan, Z., T. H. Kim, K. S. Bi, X. H. Chen and H. S. Kim (2015). "Triclosan Exhibits a Tendency to Accumulate in the Epididymis and Shows Sperm Toxicity in Male Sprague-Dawley Rats." Environmental Toxicology **30**(1): 83-91.

Lance, E., A. Lepoutre, V. Savar, E. Robert, M. Bormans and Z. Amzil (2021). "In situ use of bivalves and passive samplers to reveal water contamination by microcystins along a freshwater-marine continuum in France." Water Research **204**: 10.

Landrigan, P. J., J. J. Stegeman, L. E. Fleming, D. Allemand, D. M. Anderson, L. C. Backer, F. Brucker-Davis, N. Chevalier, L. Corra, D. Czerucka, M. Y. D. Bottein, B. Demeneix, M. Depledge, D. D. Deheyn, C. J. Dorman, P. Fenichel, S. Fisher, F. Gaill, F. Galgani, W. H. Gaze, L. Giuliano, P. Grandjean, M. E. Hahn, A. Hamdoun, P. Hess, B. Judson, A. Laborde, J. McGlade, J. Mu, A.

Mustapha, M. Neira, R. T. Noble, M. L. Pedrotti, C. Reddy, J. Rocklov, U. M. Scharler, H. Shanmugam, G. Taghian, J. van de Water, L. Vezzulli, P. Weihe, A. Zeka, H. Raps and P. Rampal (2020). "Human Health and Ocean Pollution." Annals of Global Health **86**(1): 64.

Lane, J. Q., C. M. Roddam, G. W. Langlois and R. M. Kudela (2010). "Application of Solid Phase Adsorption Toxin Tracking (SPATT) for field detection of the hydrophilic phycotoxins domoic acid and saxitoxin in coastal California." Limnology and Oceanography-Methods **8**: 645-660.

Lantow, M., T. Viergutz, D. G. Weiss and M. Simko (2006). "Comparative study of cell cycle kinetics and induction of apoptosis or necrosis after exposure of human Mono Mac 6 cells to radiofrequency radiation." Radiation Research **166**(3): 539-543.

Lapiz, M. D. S., Y. Mateo, S. Durkin, T. Parker and C. A. Marsden (2001). "Effects of central noradrenaline depletion by the selective neurotoxin DSP-4 on the behaviour of the isolated rat in the elevated plus maze and water maze." Psychopharmacology **155**(3): 251-259.

Lara, N. L. M. and L. R. Franca (2017). "Neonatal hypothyroidism does not increase Sertoli cell proliferation in iNOS(-/-) mice." Reproduction **154**(1): 13-22.

Larosa, C. and S. M. Downs (2005). "MEK inhibitors block AICAR-induced maturation in mouse oocytes by a MAPK-independent mechanism." Molecular Reproduction and Development **70**(2): 235-245.

Larrazabal, M., P. Lassus, P. Maggi and M. Bardouil (1990). "Kystes modernes de Dinoflagellés en Baie de Vilaine-Bretagne Sud (France)." Cryptogamie Algologie **11**(3): 171-185.

Larsen, K., D. Petersen, A. L. Wilkins, I. A. Samdal, M. Sandvik, T. Rundberget, D. Goldstone, V. Arcus, P. Hovgaard, F. Rise, N. Rehmann, P. Hess and C. O. Miles (2007). "Clarification of the C-35 stereochemistries of dinophysistoxin-1 and dinophysistoxin-2 and its consequences for binding to protein phosphatase." Chemical Research In Toxicology **20**(6): 868-875.

Larsen, M. L., H. M. Baulch, S. L. Schiff, D. F. Simon, S. Sauve and J. J. Venkiteswaran (2020). "Extreme rainfall drives early onset cyanobacterial bloom." Facets **5**: 899-920.

Lassus, M. (2004). Essais pour l'évaluation de l'impact des phytosanitaires en écloserie : Cas du bentazone et de l'époxiconazole testés seuls et en mélange sur la microalgue marine Isochrysis galbana et sur les larves de l'huître creuse Crassostrea gigas, Ifremer.

Lassus, P. (1976). Etude sur les effets du transit dans les condenseurs vis-à-vis du plancton.

Lassus, P. (1980). Bilan des phénomènes d'eaux colorées recensés pour l'année 1980.

Lassus, P. (1980). Catalogue descriptif des principaux organismes responsables d'eaux rouges.

Lassus, P. (1980). Mise à jour des données sur les organismes responsables d'eaux colorées - Extension au microplancton produisant des toxines.

Lassus, P. (1981). Bilan des phénomènes d'eaux colorées et des perturbations observées dans le phytoplancton côtier pour l'année 1981.

Lassus, P. (1982). Bilan des phénomènes d'eaux colorées et des perturbations observées dans le phytoplancton côtier pour l'année 1982.

Lassus, P. (1982). Mise à jour des données sur les organismes responsables d'eaux colorées - Extension au microplancton produisant des toxines - Tome 2.

Lassus, P. (1984). Bilan des phénomènes d'eaux colorées et des perturbations observées dans le phytoplancton côtier pour l'année 1983.

Lassus, P. (1984). Dinoflagellés toxiques et phénomènes d'eaux colorées au Japon.

Lassus, P. (1986). Algues unicellulaires marines : composition et prospectives.- Xèmes journées européennes de cosmétologie : Produits marins et plantes en thérapeutique et cosmétologie, 27, 28 et 29 janvier 1986.

Lassus, P. (1988). Plancton toxique et plancton d'eaux rouges sur les côtes européennes, Ifremer.

Lassus, P. (1992). Accumulation des biotoxines par les coquillages, ENSP Editeur.

Lassus, P. (1998). "Les neurotoxines marines." Biofutur(179): 48-50.

Lassus, P. (2009). Modélisation Des mécanismes de Contamination des coquillages par des PHYcotoxines (MODECOPHY). Rapport final.

Lassus, P., E. Abadie, Z. Amzil, E. Antoine, M. Bardouil, R. Baron, B. Bornet, P. Masselin, E. Nezan, V. Sechet, M. Sibat, P. Truquet, J.-B. Berard, M. Gueguen, C. Le Gall, J. Ringelstein, E. Fourgeaud, N. Toledano, A. Schmidt, A. Defontaine, L. Kermarrec, H. Hegaret, P. Soudant, L. Barille and B. Cognie (2006). Proliférations toxiques d'*Alexandrium catenella* dans l'étang de Thau : modèle de contamination des coquillages - Rapport final.

Lassus, P., Z. Amzil, M. Bardouil, R. Baron, M. Bohec, S. Bougrier, P. Garen, M. Laabir, D. Leguay, P. Masselin, P. Truquet, V. Sechet, C. Bablon, J.-B. Berard, C. Carre, V. Cheignon, S. Lecamp and M. Marib (2002). Modélisation de la contamination des bivalves par les toxines d'*Alexandrium spp.* Rapport final.

Lassus, P., Z. Amzil, R. Baron, V. Sechet, L. Barille, E. Abadie, M. Bardouil, M. Sibat, P. Truquet, J. B. Berard and M. Gueguen (2007). "Modelling the accumulation of PSP toxins in Thau Lagoon oysters (*Crassostrea gigas*) from trials using mixed cultures of *Alexandrium catenella* and *Thalassiosira weissflogii*." Aquatic Living Resources **20**(1): 59-67.

Lassus, P. and M. Bardouil (1986). Distribution du dinoflagellé *Dinophysis* sur les côtes françaises - Données taxonomiques récentes.

Lassus, P. and M. Bardouil (1988). "Présence d'un *Protogonyaulax* sp. sur le littoral atlantique français pendant l'hiver 1987." Cryptogamie Algologie **9**(4): 273-278.

Lassus, P. and M. Bardouil (1991). "Le complexe «*Dinophysis acuminata*»: identification des espèces le long des côtes françaises." Cryptogamie Algologie **12**(1): 1-9.

Lassus, P., M. Bardouil, R. Baron, J.-B. Berard, P. Masselin, P. Truquet and J. Pitrat (2005). "Improving detoxification Efficiency of PSP-contaminated oysters (*Crassostrea gigas* Thunberg)." Aquaculture Europe.

Lassus, P., M. Bardouil, R. Baron, P. Garen, M. Laabir, D. Leguay, P. Masselin, P. Truquet and C. Joret (2003). Modélisation de la contamination des huîtres par les toxines d'*Alexandrium minutum* - Rapport final (2ème année).

Lassus, P., M. Bardouil, B. Beliaeff, S. Bougrier, M. Gubbins, P. Masselin, F. Mornet, O. Thebaud and P. Truquet (2002). Coquillages contaminés par des phycotoxines paralysantes. Vers une procédure de détoxication, Editions Ifremer.

Lassus, P., M. Bardouil, B. Beliaeff, P. Masselin, M. Naviner and P. Truquet (1999). "Effect of a continuous supply of the toxic dinoflagellate *Alexandrium minutum* Halim on the feeding behavior of the Pacific oyster (*Crassostrea gigas* Thunberg)." Journal Of Shellfish Research **18**(1): 211-216.

Lassus, P., M. Bardouil, J.-P. Berthomé, P. Maggi, P. Truquet and L. Le Dénan (1988). "Seasonal occurrence of *Dinophysis* sp. along the French coast between 1983 and 1987." Aquatic Living Resources **1**(3): 155-164.

Lassus, P., M. Bardouil, M. Bohec and S. Bougrier (1995). Etude écophysiollogique des effets de souches toxiques d'*Alexandrium* spp. sur l'huître *Crassostrea gigas*.

Lassus, P., M. Bardouil, M. Ledoux, M. Bohec, I. Murail and J. M. Fremy (1996). "Role of the kidneys in bioaccumulation of paralytic toxins by scallop (*Pecten maximus*) tissues." Journal of Natural Toxins **5**(1): 107-115.

Lassus, P., M. Bardouil, M. Ledoux, I. Murail, M. Bohec, P. Truquet, J.-M. Frémy and V. Rohmer (1992). "Paralytic phycotoxin uptake by scallops (*Pecten maximus*)."Aquatic Living Resources **5**(4): 319-324.

Lassus, P., M. Bardouil, P. Maggi, F. Proniewski and P. Truquet (1991). Dinophysis spp. : cycle biologique, distribution et déterminisme d'apparition - Synthèse des résultats obtenus en 1989 et 1990 dans le cadre des opérations 4 et 12 du programme national "Efflorescences marines toxiques".

Lassus, P., M. Bardouil, P. Masselin, M. Naviner and P. Truquet (1997). Décontamination expérimentale de bivalves toxiques : application aux phycotoxines paralysantes. Rapport final.

Lassus, P., M. Bardouil, P. Masselin and P. Truquet (1996). Etude écophysiollogique des effets de souches toxiques d'*Alexandrium* spp. sur divers bivalves commerciaux.

Lassus, P., M. Bardouil, P. Masselin and P. Truquet (1997). Etude écophysiollogique des effets de souches toxiques d'*Alexandrium* spp sur divers bivalves commerciaux.

Lassus, P., M. Bardouil, P. Masselin, M. Naviner and P. Truquet (2000). "Comparative efficiencies of different non-toxic microalgal diets in detoxification of PSP-contaminated oysters (*Crassostrea gigas* Thunberg)." Journal of Natural Toxins **9**(1): 1-12.

Lassus, P., R. Baron, P. Garen, P. Truquet, P. Masselin, M. Bardouil, D. Leguay and Z. Amzil (2004). "Paralytic shellfish poison outbreaks in the Penze estuary: Environmental factors affecting toxin uptake in the oyster, *Crassostrea gigas*." *Aquatic Living Resources* **17**(2): 207-214.

Lassus, P. and J.-P. Berthome (1987). Toxicité des moules : étude de la décontamination PSP et DSP in vitro et in situ.

Lassus, P., D. Chagot, L. Miossec, G. Bocquene and P. Truquet (1990). Toxicité sublétale du tétrachloroéthylène sur la crevette des marais Palaemonetes varians.

Lassus, P., N. Chomerat, P. Hess and E. Nezan (2016). Micro-algues toxiques et nuisibles de l'océan mondial. COI Manuels et Guides, 68  
Toxic and Harmful Microalgae of the World Ocean. IOC Manuals and Guides, 68.

Lassus, P., J.-M. Fremy, M. Ledoux, M. Bardouil and M. Bohec (1989). "Patterns of experimental contamination by *Protogonyaulax tamarensis* in some French commercial shellfish." *Toxicon* **27**(12): 1313-1321.

Lassus, P., D. Gowland, D. McKenzie, K. Kelly, B. Braaten, C. Marcaillou-Le Baut and J. Blanco (2009). Industrial scale detoxification of phycotoxin-contaminated shellfish : myth or reality ? Proceedings 6th International Conference molluscan Shellfish safety, Blenheim, NZ, March 2007.

Lassus, P., C. Le Baut, M. Bardouil, G. Bocquene, L. Le Dean and P. Truquet (1982). Résultats des observations réalisées en 1981 sur le site de la centrale thermique de Cordemais - Effets des ouvrages de prise et de rejet sur l'ichthyofaune locale.

Lassus, P., C. Le Baut, F. Mondeguer and M. Bohec (1993). Etude succincte d'échantillons de bivalves et de phytoplancton.

Lassus, P., C. Le Baut and S. Puiseux-Dao (1991). "Les phycotoxines." *Biofutur*(106): 60-62.

Lassus, P., C. Le Baut, P. Truquet, M. Bardouil, L. Le Dean and G. Bocquene (1982). "Influence de chocs thermiques sur la croissance d'un dinoglagelle responsable d'eaux rouges: *Scrippsiella faeroense* (Paulsen) BALECH et SOAREZ." *Science et Pêche* **322**: 15-24.

Lassus, P. and L. Le Dean (1987). Impact potentiel du fer présent dans les rejets urbains sur les blooms phytoplanctoniques.

Lassus, P., L. Le Dean, G. Bocquene, M. Bardouil, P. Truquet, I. Truquet and M. E. Larrazabal (1986). Juin 1986 : Distribution de *Dinophysis* au large de la Bretagne sud.

Lassus, P. and L. Le Dean (1989). "Rôle des oligoéléments dans le développement des Dinoflagellés marins: effet du fer chélatisé sur la croissance de *Prorocentrum minimum*." *Cryptogamie Algologie* **10**(4): 289-300.

Lassus, P., M. Ledoux, M. Bardouil and M. Bohec (1993). "Influence of initial toxicity and extraction procedure on paralytic toxin changes in the mussel." *Toxicon* **31**(3): 237-242.

Lassus, P., M. Ledoux, M. Bardouil, M. Bohec and E. Erard (1994). "Kinetics of *Alexandrium minutum* Halim toxin accumulation in mussels and clams." *Natural Toxins* **2**(5).

Lassus, P. and P. Maggi (1973). Étude de la toxicité de l'effluent Montedison vis-à-vis d'organismes marins.

Lassus, P. and P. Maggi (1973). Étude de la toxicité de l'effluent Thann et Mulhouse vis-à-vis d'organisme marins.

Lassus, P. and P. Maggi (1973). Étude de la toxicité de l'effluent tioxide vis-à-vis d'organisme marins.

Lassus, P. and P. Maggi (1977). "Etude des effets d'effluents de fabrication de dioxyde de titane sur le développement larvaire d'un crustace decapode: *Palaemon serratus* (Pennant)." Revue des Travaux de l'Institut des Pêches Maritimes **41**(4): 325-374.

Lassus, P. and P. Maggi (1980). "Influence de chocs thermiques et d'un traitement au chlore sur la croissance d'organismes phytoplanctoniques marins 2. Le flagellé *Dunaliella tertiolecta* (BUTCHER)." Science et Pêche **30**2: 2-9.

Lassus, P., P. Maggi and C. Bessineton (1980). "Les phénomènes d'eaux colorés de la baie de Seine en 1978." Science et Pêche **29**8: 1-28.

Lassus, P., P. Maggi, C. Le Baut, M. Bardouil, G. Bocquene, L. Le Dean and P. Truquet (1981). "Influence de la Chloration sur les Premiers Stades Larvaires de *Palaemon serratus* (Pennant)." Revue des Travaux de l'Institut des Pêches Maritimes **45**(1): 85-95.

Lassus, P., P. Maggi, F. Proniewski, P. Truquet and M. Bardouil (1990). Le maximum saisonnier de *Dynophysis cf acuminata* à Antifer (Normandie, France).

Lassus, P., P. Maggi, F. Proniewski, P. Truquet and G. Nizard (1991). Distribution verticale de *Dinophysis* spp au cours d'un cycle de 48 heures dans le port d'Antifer (Normandie).

Lassus, P., P. Maggi, I. Truquet, P. Truquet, M. Bardouil and M. E. Larrazabal (1986). Distribution de *Dinophysis cf acuminata*, et des espèces associées en baie de Vilaine, pendant l'été 1985.

Lassus, P., P. Maggi, I. Truquet, P. Truquet, M. Bardouil, M. E. Larrazabal and J. C. Clement (1986). Suivi hydrologique "Mor-Bras 1985" - Distribution de *Dinophysis cf acuminata* et des espèces associées en Baie de Vilaine pendant l'été 1985 - Résultats des campagnes PISU 1985.

Lassus, P. and C. Marcaillou-Le Baut (1995). "Dinophysis acuminata (dinophyceae), une espèce à géométrie variable sur les côtes françaises." Cryptogamie Algologie **16**(3): 167-172.

Lassus, P., C. Marcaillou-Le Baut, P. Gentien, G. Arzul, E. Erard, F. Quiniou, P. Masselin, M. Bardouil, M. Ryckaert and F. Perrot (1987). Efflorescences phytoplanctoniques. Bilan des études effectuées en 1986.

Lassus, P., A. Martin, P. Maggi, J.-P. Berthome, A. Langlade and E. Bachere (1983). "Dinoflagelles toxiques sur les cotes francaises pendant l'ete 1983. Extension du dinoflagelle *Dinophysis acuminata* en Bretagne sud et consequences pour les cultures marines." Revue des Travaux de l'Institut des Pêches Maritimes **47**(3-4): 122-133.

Lassus, P., P. Michel and P. Maggi (1982). Toxicité des hydrocarbures solubles de "GINO".

Lassus, P., G. Paulmier and C. Le Baut (1982). Rôle du phytoplancton dans les perturbations des écosystèmes côtiers et estuariens.

Lassus, P. and F. Proniewski (1988). Déterminisme des floraisons de dinophysis en zone côtière. IVème colloque de l'AFIE - Association Française des Ingénieurs Ecologues - La gestion des systèmes écologiques : des progrès de la recherche au développement des techniques, Bordeaux, 14-16/05 1987.

Lassus, P., F. Proniewski, C. Pigeon, L. Veret, L. Le Déan, M. Bardouil and P. Truquet (1990). "The diurnal vertical migrations of Dinophysis acuminata in an outdoor tank at Antifer (Normandy, France)." Aquatic Living Resources **3**(2): 143-145.

Lassus, P., V. Sechet, P. Truquet and P. Lefevre (2012). Phytoplankton et chaîne trophique à Dinophysis en Baie de Vilaine : observations 2011.

Lassus, P., M. Seguel and P. Truquet (1998). "Morphological study of atypical Dinophysis acuta Ehrenberg from Chilean coastal waters by a digital pattern-recognition system." Botanica Marina **41**(4): 435-441.

Lassus, P., P. Truquet, L. Le Dean and M. Bardouil (1989). Hydrologie et distribution de dinophysis en juin 1988, dans la frange côtière nord-Gascogne, Ifremer.

Lassus, P., P. Truquet, L. Le Dean, M. Bardouil and I. Truquet (1988). Juin 1987 - Distribution de Dinophysis au large de la Bretagne sud (II).

Laszakovits, J. and A. Mackay (2018). "Permanganate as a treatment strategy for algal toxins." Abstracts of Papers of the American Chemical Society **255**: 1.

Laszakovits, J. R. and A. A. MacKay (2019). "Removal of cyanotoxins by potassium permanganate: Incorporating competition from natural water constituents." Water Research **155**: 86-95.

Latowski, D., R. Goss, M. Bojko and K. Strzalka (2012). "Violaxanthin and diadinoxanthin de-epoxidation in various model lipid systems." Acta Biochimica Polonica **59**(1): 101-103.

Lauceri, R., M. Austoni, F. Caviglia, L. Kamburska, A. Lami, G. Morabito, V. Pflueger, A. M. S. Benavides, M. Tonolla, G. Torzillo and N. Riccardi (2017). "Coupling a bio-accumulator organism and MALDI-TOF MS: an early warning detection system for microcystins in water bodies." Journal of Applied Phycology **29**(6): 2979-2988.

Lauritano, C., Y. Carotenuto, V. Vitiello, I. Buttino, G. Romano, J. S. Hwang and A. Ianora (2015). "Effects of the oxylipin-producing diatom Skeletonema marinoi on gene expression levels of the calanoid copepod Calanus sinicus." Marine Genomics **24**(1): 89-94.

Lavaud, R., G. Durier, J. B. Nadalini, R. Filgueira, L. A. Comeau, J. M. F. Babarro, S. Michaud, M. Scarratt and R. Tremblay (2021). "Effects of the toxic dinoflagellate Alexandrium catenella on the behaviour and physiology of the blue mussel *Mytilus edulis*." Harmful Algae **108**: 11.

Lawrence, J., H. Loreal, H. Toyofuku, P. Hess and K. Iddy (2011). Assessment and management of biotoxin risks in bivalve molluscs.

Lawrence, J. F., B. P. Y. Lau, C. Cleroux and D. Lewis (1994). "COMPARISON OF UV ABSORPTION AND ELECTROSPRAY MASS-SPECTROMETRY FOR THE HIGH-PERFORMANCE LIQUID-CHROMATOGRAPHIC DETERMINATION OF DOMOIC ACID IN SHELLFISH AND BIOLOGICAL SAMPLES." Journal of Chromatography A **659**(1): 119-126.

Laycock, M. V., D. M. Anderson, J. Naar, A. Goodman, D. J. Easy, M. A. Donovan, A. F. Li, M. A. Quilliam, E. Al Jamali and R. Alshihhi (2012). "Laboratory desalination experiments with some algal toxins." Desalination **293**: 1-6.

Le Baut, C., P. Lassus, M. Bardouil, G. Bocquene, L. Le Dean and P. Truquet (1983). Etude de la toxicité d'un avicide sur la flore et la faune marine - Résultats d'analyse.

Le Baut, C., P. Lassus and P. Maggi (1980). Influence de chocs thermiques sur la civelle.

Le Berre, M. and M. Kane (2006). "Biosensor-based assay for domoic acid: Comparison of performance using polyclonal, monoclonal, and recombinant antibodies." Analytical Letters **39**(8): 1587-1598.

Le Contel, O., P. Leroy, A. Roux, C. Coillot, D. Alison, A. Bouabdelah, L. Mirioni, L. Meslier, A. Galic, M. C. Vassal, R. B. Torbert, J. Needell, D. Rau, I. Dors, R. E. Ergun, J. Westfall, D. Summers, J. Wallace, W. Magnes, A. Valavanoglou, G. Olsson, M. Chutter, J. Macri, S. Myers, S. Turco, J. Nolin, D. Bodet, K. Rowe, M. Tanguy and B. de la Porte (2016). "The Search-Coil Magnetometer for MMS." Space Science Reviews **199**(1-4): 257-282.

Le Dean, L., P. Truquet and P. Lassus (1988). Evaluation du potentiel nutritif des eaux de la baie de Vilaine pendant l'été 1987.

Le Gal, D., E. Nezan, P. Raguenes and G. Piclet (1995). Chaetoceros armatum - Diatomée de la zone de ressac, vecteur d'efflorescences colorées hivernales - Cas de la Baie d'Audierne, plage de Tronoën.

Le Gouvello, S., V. Manceau and A. Sobel (1998). "Serine 16 of stathmin as a cytosolic target for Ca<sup>2+</sup>/calmodulin-dependent kinase II after CD2 triggering of human T lymphocytes." Journal of Immunology **161**(3): 1113-1122.

Le Guillard, C., J.-P. Berge, R. Baron and J. Dumay (2015). Development of an ultrasound-assisted enzymatic hydrolysis process for the liquefaction of the red seaweed Grateloupia turuturu and its biomolecules recovery. TAFT 2015 - 5th Trans-Atlantic Fisheries Technology conference (45th WEFTA meeting). 12-15 octobre 2015, Nantes, France.

Le Guillard, C., J.-P. Berge, R. Baron, J. Fleurence and J. Dumay (2016). Seaweed liquefaction and R-Phycoerythrin recovery by the use of an ultrasound-assisted enzymatic hydrolysis process: The case of the alien Grateloupia turuturu. OCEANEXT, Interdisciplinary Conference. 8-10 juin 2016, Nantes, France.

Le Guillard, C., J.-P. Berge, C. Donnay-Moreno, S. Bruzac, J.-Y. Ragon, R. Baron, J. Fleurence and J. Dumay (2016). "Soft liquefaction of the red seaweed Grateloupia turuturu Yamada by ultrasound-assisted enzymatic hydrolysis process." Journal Of Applied Phycology **28**(4): 2575-2585.

Le Hagarat, L., F. Nesslany, A. Mourot, D. Marzin and V. Fessard (2004). "Lack of DNA damage induction by okadaic acid, a marine toxin, in the CHO-Hprt and the in vitro UDS assays." Mutation Research-Genetic Toxicology and Environmental Mutagenesis **564**(2): 139-147.

Le, K. T. N., E. Goitom, H. Trigui, S. Sauve, M. Prevost and S. Dorner (2021). "The Effects of Ferric Sulfate (Fe-2(SO<sub>4</sub>)(3)) on the Removal of Cyanobacteria and Cyanotoxins: A Mesocosm Experiment." Toxins **13**(11): 17.

Le, M. C., C. Donnay-Moreno, S. Bruzac, R. Baron, H. T. M. Nguyen and J.-P. Berge (2015). "Proteolysis of Sardine (*Sardina pilchardus*) and Anchovy (*Stolephorus cotnmersonii*) by Commercial Enzymes in Saline Solutions." Food Technology And Biotechnology **53**(1): 87-90.

Le, M. H., K. V. Dinh, M. V. Nguyen and I. Ronnestad (2020). "Combined effects of a simulated marine heatwave and an algal toxin on a tropical marine aquaculture fish cobia (*Rachycentron canadum*)." Aquaculture Research **51**(6): 2535-2544.

Leandro, L. F., G. J. Teegarden, P. B. Roth, Z. H. Wang and G. J. Doucette (2010). "The copepod *Calanus finmarchicus*: A potential vector for trophic transfer of the marine algal biotoxin, domoic acid." Journal of Experimental Marine Biology and Ecology **382**(2): 88-95.

Lebeau, T. and J. M. Robert (2003). "Diatom cultivation and biotechnologically relevant products. Part II: Current and putative products." Applied Microbiology and Biotechnology **60**(6): 624-632.

Leblad, B. R., R. Amnhir, S. Reqia, F. Sitel, M. Daoudi, M. Marhraoui, M. K. O. Abdellah, B. Veron, H. Er-Raioui and M. Laabir (2020). "Seasonal variations of phytoplankton assemblages in relation to environmental factors in Mediterranean coastal waters of Morocco, a focus on HABs species." Harmful Algae **96**: 17.

LeChevallier, M. W., M. Abbaszadegan, A. K. Camper, C. J. Hurst, G. Izaguirre, M. M. Marshall, D. Naumovitz, P. Payment, E. W. Rice, J. Rose, S. Schaub, T. R. Slifko, D. B. Smith, H. V. Smith, C. R. Sterling, M. Stewart and A. R. D. M. Cont (1999). "Committee report: Emerging pathogens - viruses, protozoa, and algal toxins." Journal American Water Works Association **91**(9): 110-121.

Leclerc, M., D. Planas and M. Amyot (2015). "Relationship between Extracellular Low-Molecular-Weight Thiols and Mercury Species in Natural Lake Periphytic Biofilms." Environmental Science & Technology **49**(13): 7709-7716.

L'Ecuyer-Sauvageau, C., C. Kermagoret, J. Dupras, J. He, J. Leroux, M. P. Schinck and T. G. Poder (2019). "Understanding the preferences of water users in a context of cyanobacterial blooms in Quebec." Journal of Environmental Management **248**: 12.

Lee, C., M. S. Jeon, T. T. Vo, C. Park, J. S. Choi, J. Kwon, S. W. Roh and Y. E. Choi (2018). "Establishment of a new strategy against *Microcystis* bloom using newly isolated lytic and toxin-degrading bacteria." Journal of Applied Phycology **30**(3): 1795-1806.

Lee, H., J. Lim, M. Zhan and S. Hong (2019). "UV-LED/PMS preoxidation to control fouling caused by harmful marine algae in the UF pretreatment of seawater desalination." Desalination **467**: 219-228.

Lee, J., S. Lee and X. W. Jiang (2017). Cyanobacterial Toxins in Freshwater and Food: Important Sources of Exposure to Humans. Annual Review of Food Science and Technology, Vol 8. M. P. Doyle and T. R. Klaenhammer. Palo Alto, Annual Reviews. **8**: 281-304.

Lee, S. H., G. C. Chung, J. Y. Jang, S. J. Ahn and J. J. Zwiazek (2012). "Overexpression of PIP2;5 Aquaporin Alleviates Effects of Low Root Temperature on Cell Hydraulic Conductivity and Growth in Arabidopsis." Plant Physiology **159**(1): 479-488.

Lee, S. H. and J. J. Zwiazek (2015). "Regulation of Aquaporin-Mediated Water Transport in Arabidopsis Roots Exposed to NaCl." Plant and Cell Physiology **56**(4): 750-758.

Lefebvre, K. A., N. E. Elder, P. K. Hershberger, V. L. Trainer, C. M. Stehr and N. L. Scholz (2005). "Dissolved saxitoxin causes transient inhibition of sensorimotor function in larval Pacific herring (*Clupea harengus pallasi*)."Marine Biology **147**(6): 1393-1402.

Lefebvre, K. A., D. P. Noren, I. R. Schultz, S. M. Bogard, J. Wilson and B. T. L. Eberhart (2007). "Uptake, tissue distribution and excretion of domoic acid after oral exposure in coho salmon (*Oncorhynchus kisutch*)."Aquatic Toxicology **81**(3): 266-274.

Lefebvre, K. A., M. W. Silver, S. L. Coale and R. S. Tjeerdema (2002). "Domoic acid in planktivorous fish in relation to toxic *Pseudo-nitzschia* cell densities."Marine Biology **140**(3): 625-631.

Lefebvre, K. A., V. L. Trainer and N. L. Scholz (2004). "Morphological abnormalities and sensorimotor deficits in larval fish exposed to dissolved saxitoxin."Aquatic Toxicology **66**(2): 159-170.

Lehman, E. M. (2007). "Seasonal occurrence and toxicity of *Microcystis* in impoundments of the Huron River, Michigan, USA."Water Research **41**(4): 795-802.

Leite, I. D., L. Sandrini-Neto, F. L. Squella, T. P. Alves, M. A. Schramm, S. L. D. Calado, H. C. S. de Assis and L. L. Mafra (2021). "Toxin accumulation, detoxification and oxidative stress in bivalve (*Anomalogardia flexuosa*) exposed to the dinoflagellate *Prorocentrum lima*."Aquatic Toxicology **232**: 11.

Leiva, K. P., J. Rubio, F. Peralta and G. F. Gonzales (2011). "Effect of *Punica granatum* (pomegranate) on sperm production in male rats treated with lead acetate."Toxicology Mechanisms and Methods **21**(6): 495-502.

Leli, U., M. L. Beermann, G. Hauser and T. B. Shea (1993). "PHOSPHATASE INHIBITORS PREVENT STAUROSPORINE-INDUCED NEURITE OUTGROWTH IN HUMAN NEUROBLASTOMA-CELLS."Neuroscience Research Communications **12**(1): 17-21.

Lelong, A., H. Hegaret, P. Soudant and S. S. Bates (2012). "Pseudo-*nitzschia* (Bacillariophyceae) species, domoic acid and amnesic shellfish poisoning: revisiting previous paradigms."Phycologia **51**(2): 168-216.

Lemoine, P., T. Lockhart, R. Baron and D. Coves (2018). Economie circulaire maritime et aquaculture offshore. Plateforme Offshore Multi-Usage, Etude de faisabilité. Nuit Blanche des chercheurs 2018. 12 avril 2018, Stereolux, Nantes.

Lemos, T., M. A. Miranda, A. D. M. Cavagis, H. Aoyama and C. V. Ferreira (2008). "Kinetic characterization and flavonoid effect on human lymphocyte protein tyrosine phosphatase."Latin American Journal of Pharmacy **27**(3): 436-439.

Leonhard, V., R. V. Alasino, I. D. Bianco, A. G. Garro, V. Heredia and D. M. Beltramo (2012). "Self-assembled micelles of monosialogangliosides as nanodelivery vehicles for taxanes." Journal of Controlled Release **162**(3): 619-627.

Lepinay, A., H. Capiaux, V. Turpin, F. Mondeguer, R. Baron and T. Lebeau (2016). Bacterial community structure of the marine diatom *Haslea ostrearia*. OCEANEXT, Interdisciplinary Conference. 8-10 juin 2016, Nantes, France.

Lepinay, A., V. Turpin, F. Mondeguer, Q. Grandet-Marchant, H. Capiaux, R. Baron and T. Lebeau (2018). "First insight on interactions between bacteria and the marine diatom *Haslea ostrearia*: Algal growth and metabolomic fingerprinting." Algal Research-biomass Biofuels And Bioproducts **31**: 395-405.

Lerda, D. E. and C. H. Prosperi (1996). "Water mutagenicity and toxicology in Rio Tercero (Cordoba, Argentina)." Water Research **30**(4): 819-824.

Leroi, F., P.-A. Fall, M.-F. Pilet, F. Chevalier and R. Baron (2012). "Influence of temperature, pH and NaCl concentration on the maximal growth rate of *Brochothrix thermosphacta* and a bioprotective bacteria *Lactococcus piscium* CNCM I-4031." Food Microbiology **31**(2): 222-228.

Leung, R. Y., B. W. Barbee, B. D. Seery, M. Bambacus, L. Finewood, K. C. Greenaugh, A. Lewis, D. S. P. Dearborn, P. L. Miller, R. P. Weaver, C. Plesko and leee (2017). Multi-Organization - Multi-Discipline Effort Developing a Mitigation Concept for Planetary Defense. IEEE Aerospace Conference, Big Sky, MT, leee.

Leung, T., G. M. Wilkinson and E. D. Swanner (2021). "Iron availability allows sustained cyanobacterial blooms: a dual-lake case study." Inland Waters **11**(3): 417-429.

Levine, S. A., S. K. Nath, C. H. C. Yun, J. W. Yip, M. Montrose, M. Donowitz and C. M. Tse (1995). "SEPARATE C-TERMINAL DOMAINS OF THE EPITHELIAL SPECIFIC BRUSH-BORDER NA+/H+ EXCHANGER ISOFORM NHE3 ARE INVOLVED IN STIMULATION AND INHIBITION BY PROTEIN KINASES GROWTH FACTORS." Journal of Biological Chemistry **270**(23): 13716-13725.

Lewis, D. M., J. D. Brookes and M. F. Lambert (2004). "Numerical models for management of *Anabaena circinalis*." Journal of Applied Phycology **16**(6): 457-468.

Lewis, R. J. and M. J. Holmes (1993). "ORIGIN AND TRANSFER OF TOXINS INVOLVED IN CIGUATERA." Comparative Biochemistry and Physiology C-Pharmacology Toxicology & Endocrinology **106**(3): 615-628.

Li, A., J. Ma, J. Cao, Q. Wang, R. Yu, K. Thomas and M. A. Quilliam (2012). "Analysis of paralytic shellfish toxins and their metabolites in shellfish from the North Yellow Sea of China." Food Additives and Contaminants Part a-Chemistry Analysis Control Exposure & Risk Assessment **29**(9): 1455-1464.

Li, A. F., M. H. Li, J. B. Qiu, J. L. Song, Y. Ji, Y. Hu, S. Q. Wang and Y. J. Che (2018). "Effect of Suspended Particulate Matter on the Accumulation of Dissolved Diarrhetic Shellfish Toxins by Mussels (*Mytilus galloprovincialis*) under Laboratory Conditions." Toxins **10**(7): 13.

Li, A. F., M. Y. Zhao, J. B. Qiu and Y. Ji (2020). "Accumulation and esterification of diarrhetic shellfish toxins from the aqueous phase in laboratory-exposed mussels." Harmful Algae **93**: 7.

Li, F. L., Z. X. Li, M. M. Guo, H. Y. Wu, T. T. Zhang and C. H. Song (2016). "Investigation of diarrhetic shellfish toxins in Lingshan Bay, Yellow Sea, China, using solid-phase adsorption toxin tracking (SPATT)." Food Additives and Contaminants Part a-Chemistry Analysis Control Exposure & Risk Assessment **33**(8): 1367-1373.

Li, H. and G. Pan (2015). "Simultaneous Removal of Harmful Algal Blooms and Microcystins Using Microorganism- and Chitosan-Modified Local Soil." Environmental Science & Technology **49**(10): 6249-6256.

Li, H. M., X. H. Gu, H. H. Chen, Z. G. Mao, Q. F. Zeng, H. T. Yang and K. C. Kan (2021). "Comparative toxicological effects of planktonic *Microcystis* and benthic *Oscillatoria* on zebrafish embryonic development: Implications for cyanobacteria risk assessment." Environmental Pollution **274**: 11.

Li, H. Y., M. Hollstein, A. Podder, V. Gupta, M. Barber and R. Goel (2020). "Cyanotoxin impact on microbial-mediated nitrogen transformations at the interface of sediment-water column in surface water bodies." Environmental Pollution **266**: 10.

Li, H. Y., X. K. Wu, Q. Wu, D. Z. Gong, M. J. Shi, L. L. Guan, J. Zhang, J. Liu, B. Yuan, G. Z. Han and Y. Zou (2014). "Green tea polyphenols protect against okadaic acid-induced acute learning and memory impairments in rats." Nutrition **30**(3): 337-342.

Li, J., K. M. Persson, H. Pekar and D. Jansson (2021). "Evaluation of indicators for cyanobacterial risk in 108 temperate lakes using 23 years of environmental monitoring data." Environmental Sciences Europe **33**(1): 13.

Li, J., X. X. Song, Y. Zhang, X. Xu and Z. M. Yu (2019). "Effect of modified clay on the transition of paralytic shellfish toxins within the bay scallop *Argopecten irradians* and sediments in laboratory trials." Aquaculture **505**: 112-117.

Li, J. B., Y. Meng, K. X. Zhang, Q. Li, S. J. Li, B. L. Xu, M. I. Georgiev and M. L. Zhou (2021). "Jasmonic acid-responsive RRTF1 transcription factor controls DTX18 gene expression in hydroxycinnamic acid amide secretion." Plant Physiology **185**(2): 369-384.

Li, M. H., G. Sun, J. B. Qiu and A. Li (2017). "Occurrence and variation of lipophilic shellfish toxins in phytoplankton, shellfish and seawater samples from the aquaculture zone in the Yellow Sea, China." Toxicon **127**: 1-10.

Li, P. J., S. N. Li, H. M. Gu, Q. F. Lu, W. J. Jiang, X. Pei, Y. L. Sun, H. J. Xu, G. J. Wang and K. Hao (2018). "The exposure-effect-toxicity correlation of docetaxel and magnesium isoglycyrrhizinate in non-small cell lung tumor-bearing mice." Biomedicine & Pharmacotherapy **97**: 1000-1010.

Li, Q. M., X. Li, C. Q. Zhou, C. C. Lu, B. G. Liu and G. X. Wang (2021). "Insight into oxidation and adsorption treatment of algae-laden water: Algal organic matter transformation and removal." Chemical Engineering Journal **420**: 10.

Li, S., Y. Tao, X. M. Zhan, G. H. Dao and H. Y. Hu (2020). "UV-C irradiation for harmful algal blooms control: A literature review on effectiveness, mechanisms, influencing factors and facilities." Science of the Total Environment **723**: 13.

Li, W. C., G. M. Wang, R. R. Wang and A. Spector (1994). "THE REDOX-ACTIVE COMPONENTS H<sub>2</sub>O<sub>2</sub> AND N-ACETYL-L-CYSTEINE REGULATE EXPRESSION OF C-JUN AND C-FOS IN LENS SYSTEMS." Experimental Eye Research **59**(2): 179-190.

Li, X., S. Chen, J. Zeng, W. J. Song and X. Yu (2020). "Comparing the effects of chlorination on membrane integrity and toxin fate of high- and low-viability cyanobacteria." Water Research **177**: 10.

Li, X., B. B. Gao and X. L. Su (2020). "Anticancer bioactive peptide combined with docetaxel and its mechanism in the treatment of breast cancer." Experimental and Therapeutic Medicine **20**(3): 1917-1924.

Li, X., M. Yan, J. R. Gu, V. T. T. Lam, T. C. Wai, D. M. Baker, P. D. Thompson, S. K. F. Yiu, P. K. S. Lam and P. T. Y. Leung (2020). "The effect of temperature on physiology, toxicity and toxin content of the benthic dinoflagellate *Coolia malayensis* from a seasonal tropical region." Water Research **185**: 9.

Li, Y. X., B. B. Liu, S. X. Liu and D. H. Li (2017). "The trophic state of lake water regulates spatial-temporal variations of bloom-forming *Microcystis*." Chinese Journal of Oceanology and Limnology **35**(2): 415-422.

Li, Z. X. (2009). "Accumulation and depuration of pectenotoxins in brown crab *Cancer pagurus*." Chinese Journal of Oceanology and Limnology **27**(2): 389-394.

Li, Z. X. (2009). "Metabolism of pectenotoxins in brown crabs *Cancer pagurus* fed with blue mussels *Mytilus edulis*." Chinese Journal of Oceanology and Limnology **27**(3): 468-472.

Lian, J. L., L. S. Ren, C. Zhang, C. Y. Yu, Z. Huang, A. X. Xu and J. G. Dong (2019). "How exposure to ALS-inhibiting gametocide tribenuron-methyl induces male sterility in rapeseed." Bmc Plant Biology **19**: 22.

Liao, J. Q., L. Zhao, X. F. Cao, J. H. Sun, Z. Gao, J. Wang, D. L. Jiang, H. Fan and Y. Huang (2016). "Cyanobacteria in lakes on Yungui Plateau, China are assembled via niche processes driven by water physicochemical property, lake morphology and watershed land-use." Scientific Reports **6**: 10.

Liefer, J. D., A. Robertson, H. L. MacIntyre, W. L. Smith and C. P. Dorsey (2013). "Characterization of a toxic *Pseudo-nitzschia* spp. bloom in the Northern Gulf of Mexico associated with domoic acid accumulation in fish." Harmful Algae **26**: 20-32.

Lim, B. J., J. H. Park, J. W. Jung, K. S. Hwang, M. S. Son, C. H. Lim, J. E. Na, S. G. Kim, H. M. Chai, K. A. Seo, J. H. Han, S. S. Park and J. K. Park (2015). "Application of barley straw to dammed river for algal control." Desalination and Water Treatment **54**(13): 3728-3736.

Lim, C. Y., N. A. Owens, R. D. Wampler, Y. Ying, J. H. Granger, M. D. Porter, M. Takahashi and K. Shimazu (2014). "Succinimidyl Ester Surface Chemistry: Implications of the Competition between Aminolysis and Hydrolysis on Covalent Protein Immobilization." Langmuir **30**(43): 12868-12878.

Lim, S. M., Z. W. Pang, H. Y. Tan, M. Shaikh, G. Adinarayana and S. Garg (2015). "Enhancement of docetaxel solubility using binary and ternary solid dispersion systems." Drug Development and Industrial Pharmacy **41**(11): 1847-1855.

Lin, C. C. and P. K. A. Hong (2013). "A new processing scheme from algae suspension to collected lipid using sand filtration and ozonation." *Algal Research-Biomass Biofuels and Bioproducts* **2**(4): 378-384.

Lin, J. L., L. C. Hua, Y. T. Wu and C. P. Huang (2016). "Pretreatment of algae-laden and manganese-containing waters by oxidation-assisted coagulation: Effects of oxidation on algal cell viability and manganese precipitation." *Water Research* **89**: 261-269.

Lin, J. L. and A. R. Ika (2022). "Pre-oxidation of *Microcystis aeruginosa*-laden water by intensified chlorination: Impact of growth phase on cell degradation and in-situ formation of carbonaceous disinfection by-products." *Science of the Total Environment* **805**: 10.

Lin, J. L., M. S. Nugrayanti, A. R. Ika and A. Karangan (2021). "Removal of *Microcystis Aeruginosa* by oxidation-assisted coagulation: Effect of algogenic organic matter fraction changes on algae destabilization with Al hydrates." *Journal of Water Process Engineering* **42**: 7.

Lin, J. W. and Q. Fu (2005). "Modulation of available vesicles and release kinetics at the inhibitor of the crayfish neuromuscular junction." *Neuroscience* **130**(4): 889-895.

Lin, Q., C. Yang, M. L. Li, J. Wang, H. R. Hou, B. Shao and Y. M. Niu (2021). "Simultaneous determination of 12 lipophilic shellfish toxins in plasma and urine by ultra -high performance liquid chromatography -tandem mass spectrometry." *Chinese Journal of Chromatography* **39**(4): 399-405.

Lin, S. J., R. W. Litaker and W. G. Sunda (2016). "Phosphorus physiological ecology and molecular mechanisms in marine phytoplankton." *Journal of Phycology* **52**(1): 10-36.

Lin, Y. Q., A. W. Chen, L. Peng, S. Luo, Q. R. Zeng and J. H. Shao (2019). "Physiological characteristics and toxin production of *Microcystis aeruginosa* (*Cyanobacterium*) in response to DOM in anaerobic digestion effluent." *Science of the Total Environment* **685**: 902-910.

Lin, Z. Z., S. Y. Chen, L. Li, A. H. Peng and Z. Y. Huang (2020). "Rapid extraction of domoic acid by a magnetic molecularly imprinted silica before HPLC measurement." *Heliyon* **6**(10): e05260.

Lincoln, J. A., J. T. Turner, S. S. Bates, C. Leger and D. A. Gauthier (2001). "Feeding, egg production, and egg hatching success of the copepods *Acartia tonsa* and *Temora longicornis* on diets of the toxic diatom *Pseudo-nitzschia multiseries* and the non-toxic diatom *Pseudo-nitzschia pungens*." *Hydrobiologia* **453**(1-3): 107-120.

Lindahl, O., R. Hart, B. Hernroth, S. Kollberg, L. O. Loo, L. Olrog, A. S. Rehnstam-Holm, J. Svensson, S. Svensson and U. Syversen (2005). "Improving marine water quality by mussel farming: A profitable solution for Swedish society." *Ambio* **34**(2): 131-138.

Lindegarth, S., T. Torgersen, B. Lundve and M. Sandvik (2009). "DIFFERENTIAL RETENTION OF OKADAIC ACID (OA) GROUP TOXINS AND PECTENOTOXINS (PTX) IN THE BLUE MUSSEL, *MYTILUS EDULIS* (L.), AND EUROPEAN FLAT OYSTER, *OSTREA EDULIS* (L.)." *Journal of Shellfish Research* **28**(2): 313-323.

Lippemeier, S., D. M. F. Frampton, S. I. Blackburn, S. C. Geier and A. P. Negri (2003). "Influence of phosphorus limitation on toxicity and photosynthesis of *Alexandrium minutum* (Dinophyceae) monitored by in-line detection of variable chlorophyll fluorescence." *Journal of Phycology* **39**(2): 320-331.

Lira, V. S., I. C. Moreira, P. S. Tonello, A. A. H. Vieira and R. Fracacio (2017). "Evaluation of the Ecotoxicological Effects of *Microcystis aeruginosa* and *Cylindrospermopsis raciborskii* on Ceriodaphnia dubia Before and After Treatment with Ultrasound." Water Air and Soil Pollution **228**(1): 8.

Litaker, R. W., W. C. Holland, D. R. Hardison, F. Pisapia, P. Hess, S. R. Kibler and P. A. Tester (2017). "Ciguatoxicity of Gambierdiscus and Fukuyoa species from the Caribbean and Gulf of Mexico." Plos One **12**(10).

Little, M. A. and N. S. Jones (2013). "Signal processing for molecular and cellular biological physics: an emerging field." Philosophical Transactions of the Royal Society a-Mathematical Physical and Engineering Sciences **371**(1984): 18.

Liu, A. F., F. B. Zhao, J. Wang, Y. F. Lu, J. Tian, Y. Zhao, Y. Gao, X. J. Hu, X. Y. Liu, J. Tan, Y. L. Tian and J. Shi (2016). "Effects of vagus nerve stimulation on cognitive functioning in rats with cerebral ischemia reperfusion." Journal of Translational Medicine **14**: 12.

Liu, B., F. S. Qu, H. Liang, Z. D. Gan, H. R. Yu, G. B. Li and B. Van der Bruggen (2017). "Algae-laden water treatment using ultrafiltration: Individual and combined fouling effects of cells, debris, extracellular and intracellular organic matter." Journal of Membrane Science **528**: 178-186.

Liu, D., P. Wang, G. R. Wei, W. B. Dong and F. Hui (2013). "Removal of algal blooms from freshwater by the coagulation-magnetic separation method." Environmental Science and Pollution Research **20**(1): 60-65.

Liu, G. F., Y. Q. Chen, M. C. Jia, Z. Sun, B. B. Ding, S. Shao, F. Jiang, Z. L. Fu, P. A. Ma and J. Lin (2019). "One-pot synthesis of SiO<sub>2</sub>-coated Gd<sub>2</sub>(WO<sub>4</sub>)<sub>3</sub>:Yb<sup>3+</sup>/Ho<sup>3+</sup> nanoparticles for simultaneous multi-imaging, temperature sensing and tumor inhibition." Dalton Transactions **48**(28): 10537-10546.

Liu, H., M. S. Kelly, D. A. Campbell, S. L. Dong, J. X. Zhu and S. F. Wang (2007). "Exposure to domoic acid affects larval development of king scallop *Pecten maximus* (Linnaeus, 1758)." Aquatic Toxicology **81**(2): 152-158.

Liu, H., M. S. Kelly, D. A. Campbell, J. G. Fang and J. X. Zhu (2008). "Accumulation of domoic acid and its effect on juvenile king scallop *Pecten maximus* (Linnaeus, 1758)." Aquaculture **284**(1-4): 224-230.

Liu, H. B., X. Song, Y. N. Guan, D. Pan, Y. H. Li, S. Y. Xu and Y. Y. Fang (2017). "Role of illumination intensity in microcystin development using *Microcystis aeruginosa* as the model algae." Environmental Science and Pollution Research **24**(29): 23261-23272.

Liu, J., J. Zhang, K. Song, J. Du, X. Wang, J. L. Liu, B. Li, R. Z. Ouyang, Y. Q. Miao, Y. Sun and Y. H. Li (2021). "Tumor Microenvironment Modulation Platform Based on Composite Biodegradable Bismuth-Manganese Radiosensitizer for Inhibiting Radioresistant Hypoxic Tumors." Small **17**(34): 16.

Liu, M. Y., D. L. Bull and F. W. Plapp (1998). "Effects of exposure to cypermethrin on saxitoxin binding in susceptible and pyrethroid-resistant houseflies." Archives of Insect Biochemistry and Physiology **37**(1): 73-79.

Liu, Q. L., H. L. Liu, S. J. Wu and Z. H. Duan (2015). Advanced Oxidation Processes for the Removal of Algal Cells and Cyanotoxins from Drinking Water. 2nd International Workshop on Materials Engineering and Computer Sciences (IWMECS), Jinan, PEOPLES R CHINA, Atlantis Press.

Liu, S. Y., Y. Tan, F. Ma, H. Z. Fu and Y. Zhang (2020). "Effects of electron beam irradiation on proteins and exopolysaccharide production and changes in *Microcystis aeruginosa*." International Journal of Radiation Biology **96**(5): 689-696.

Liu, S. Y., Y. P. Zhao, F. Ma, L. Y. Ma, K. O'Shea, C. Zhao, X. H. Hu and M. H. Wu (2015). "Control of *Microcystis aeruginosa* growth and associated microcystin cyanotoxin remediation by electron beam irradiation (EBI)." Rsc Advances **5**(40): 31292-31297.

Liu, W. J., Q. Qiao, Y. Y. Chen, K. Wu and X. Z. Zhang (2014). "Microcystin-LR exposure to adult zebrafish (*Danio rerio*) leads to growth inhibition and immune dysfunction in F1 offspring, a parental transmission effect of toxicity." Aquatic Toxicology **155**: 360-367.

Liu, W. W., X. Liu, L. T. Tian, Y. P. Gao, W. J. Liu, H. H. Chen, X. W. Jiang, Z. H. Xu, H. W. Ding and Q. C. Zhao (2021). "Design, synthesis and biological evaluation of harmine derivatives as potent GSK-3 beta/DYRK1A dual inhibitors for the treatment of Alzheimer's disease." European Journal of Medicinal Chemistry **222**: 18.

Liu, Y., Y. Gu, Y. D. Lou and G. G. Wang (2021). "Response mechanisms of domoic acid in *Pseudo-nitzschia multiseries* under copper stress." Environmental Pollution **272**: 8.

Liu, Y., F. Z. Kong, X. G. Xun, L. Dai, H. X. Geng, X. L. Hu, R. C. Yu, Z. M. Bao and M. J. Zhou (2020). "Biokinetics and biotransformation of paralytic shellfish toxins in different tissues of Yesso scallops, *Patinopecten yessoensis*." Chemosphere **261**: 10.

Liu, Y. F., R. Liu, X. Y. Li, Z. Song and X. H. Zhao (2016). "Development of docetaxel and alendronate-loaded chitosan-conjugated polylactide-co-glycolide nanoparticles: In vitro characterization in osteosarcoma cells." Tropical Journal of Pharmaceutical Research **15**(7): 1353-1360.

Liu, Y. H., Z. R. Lian, F. F. Li, A. Majid and J. T. Wang (2021). "Review on molecular imprinting technology and its application in pre-treatment and detection of marine organic pollutants." Marine Pollution Bulletin **169**: 15.

Llewellyn, L. E. (1997). "Haemolymph protein in xanthid crabs: Its selective binding of saxitoxin and possible role in toxin bioaccumulation." Marine Biology **128**(4): 599-606.

Llewellyn, L. E., A. P. Negri, J. Doyle, P. D. Baker, E. C. Beltran and B. A. Neilan (2001). "Radioreceptor assays for sensitive detection and quantitation of saxitoxin and its analogues from strains of the freshwater cyanobacterium, *Anabaena circinalis*." Environmental Science & Technology **35**(7): 1445-1451.

Lockhart, T., R. Baron and D. Coves (2016). Multi-use offshore platform: feasibility study. Offshore aquaculture. OCEANEXT 2016. 8-10 juin, Nantes, France.

Loganathan, K. (2017). "Ozone-based advanced oxidation processes for the removal of harmful algal bloom (HAB) toxins: a review." Desalination and Water Treatment **59**: 65-71.

Long, Y. F., F. X. Meng, N. Kondo, A. Iwamoto and Z. Matsuda (2011). "Conserved arginine residue in the membrane-spanning domain of HIV-1 gp41 is required for efficient membrane fusion." Protein & Cell **2**(5): 369-376.

Longo, S., M. Sibat, H. Taiana Darius, P. Hess and M. Chinain (2020). "Effects of pH and Nutrients (Nitrogen) on Growth and Toxin Profile of the Ciguatera-Causing Dinoflagellate *Gambierdiscus polynesiensis* (Dinophyceae)." Toxins **12**(12).

Longo, S., M. Sibat, J. Viallon, H. T. Darius, P. Hess and M. Chinain (2019). "Intraspecific Variability in the Toxin Production and Toxin Profiles of In Vitro Cultures of *Gambierdiscus polynesiensis* (Dinophyceae) from French Polynesia." Toxins **11**(12).

Lonnendonker, U. (1991). "USE-DEPENDENT BLOCK WITH TETRODOTOXIN AND SAXITOXIN AT FROG RANVIER NODES .1. INTRINSIC CHANNEL AND TOXIN PARAMETERS." European Biophysics Journal with Biophysics Letters **20**(3): 135-141.

Lopes, V. M., M. Baptista, T. Repolho, R. Rosa and P. R. Costa (2014). "Uptake, transfer and elimination kinetics of paralytic shellfish toxins in common octopus (*Octopus vulgaris*)."Aquatic Toxicology **146**: 205-211.

Lopez, A. M., J. J. G. Rodriguez, A. S. Miron, F. G. Camacho and E. M. Grima (2011). "Immunoregulatory potential of marine algal toxins yessotoxin and okadaic acid in mouse T lymphocyte cell line EL-4." Toxicology Letters **207**(2): 167-172.

Lopez-Mejia, N., H. A. Martinez-Correa and M. M. Andrade-Mahecha (2019). "Pancake ready mix enriched with dehydrated squash pulp (*Cucurbita moschata*): formulation and shelf life." Journal of Food Science and Technology-Mysore **56**(11): 5046-5055.

Lopez-Rosales, L., J. J. Gallardo-Rodriguez, A. Sanchez-Miron, M. D. Ceron-Garcia, E. H. Belarbi, F. Garcia-Camacho and E. Molina-Grima (2014). "Simultaneous Effect of Temperature and Irradiance on Growth and Okadaic Acid Production from the Marine Dinoflagellate *Prorocentrum belizeanum*."Toxins **6**(1): 229-253.

Louppis, A. P., P. Katikou, D. Georgantelis, A. V. Badeka and M. G. Kontominas (2011). "Effect of ozonation and gamma-irradiation on post-harvest decontamination of mussels (*Mytilus galloprovincialis*) containing diarrhetic shellfish toxins." Food Additives and Contaminants Part a-Chemistry Analysis Control Exposure & Risk Assessment **28**(12): 1735-1744.

Loureiro, S., C. Jauzein, E. Garces, Y. Collos, J. Camp and D. Vaque (2009). "The significance of organic nutrients in the nutrition of *Pseudo-nitzschia delicatissima* (Bacillariophyceae)." Journal of Plankton Research **31**(4): 399-410.

Louzao, M. C., I. R. Ares, E. Cagide, B. Espina, N. Vilarino, A. Alfonso, M. R. Vieytes and L. M. Botana (2011). "Palytoxins and cytoskeleton: An overview."Toxicon **57**(3): 460-469.

Louzao, M. C., B. Espina, E. Cagide, I. R. Ares, A. Alfonso, M. R. Vieytes and L. M. Botana (2010). "Cytotoxic effect of palytoxin on mussel."Toxicon **56**(5): 842-847.

Lovin, L. M., S. Kim, R. B. Taylor, K. R. Scarlett, L. M. Langan, C. K. Chambliss, S. Chatterjee, J. T. Scott and B. W. Brooks (2021). "Differential influences of (+/-) anatoxin-a on photolocomotor behavior

and gene transcription in larval zebrafish and fathead minnows." Environmental Sciences Europe **33**(1): 24.

Lozano, V., R. Martinez-Escauriaza, M. L. Perez-Paralle, A. J. Pazos and J. L. Sanchez (2015). "Two novel multidrug resistance associated protein (MRP/ABCC) from the Mediterranean mussel (*Mytilus galloprovincialis*): characterization and expression patterns in detoxifying tissues." Canadian Journal of Zoology **93**(7): 567-578.

Lu, G. Y., X. X. Song, Z. M. Yu, X. H. Cao and Y. Q. Yuan (2015). "Environmental effects of modified clay flocculation on *Alexandrium tamarense* and paralytic shellfish poisoning toxins (PSTs)." Chemosphere **127**: 188-194.

Lu, J., D. M. Wu, Y. L. Zheng, B. Hu, W. Cheng and Z. F. Zhang (2012). "Purple sweet potato color attenuates domoic acid-induced cognitive deficits by promoting estrogen receptor-alpha-mediated mitochondrial biogenesis signaling in mice." Free Radical Biology and Medicine **52**(3): 646-659.

Lu, M., G. G. MacGregor, W. H. Wang and G. Giebisch (2000). "Extracellular ATP inhibits the small-conductance K channel on the apical membrane of the cortical collecting duct from mouse kidney." Journal of General Physiology **116**(2): 299-310.

Lu, P., R. O. Magwanga, J. N. Kirungu, Y. G. Hu, Q. Dong, X. Y. Cai, Z. L. Zhou, X. X. Wang, Z. M. Zhang, Y. Q. Hou, K. B. Wang and F. Liu (2019). "Overexpression of Cotton a DTX/MATE Gene Enhances Drought, Salt, and Cold Stress Tolerance in Transgenic Arabidopsis." Frontiers in Plant Science **10**: 19.

Lu, X. Y., M. Fang, Y. Yang, Y. Dai, J. Q. Xu, D. Zhao, Y. Lu, X. J. Chen, S. Lu and N. Li (2020). "PEG-conjugated triacontanol micelles as docetaxel delivery systems for enhanced anti-cancer efficacy." Drug Delivery and Translational Research **10**(1): 122-135.

Lucchesi, K. J. and E. Moczydowski (1991). "ON THE INTERACTION OF BOVINE PANCREATIC TRYPSIN-INHIBITOR WITH MAXI CA<sub>2+</sub>-ACTIVATED K<sup>+</sup> CHANNELS - A MODEL SYSTEM FOR ANALYSIS OF PEPTIDE-INDUCED SUBCONDUCTANCE STATES." Journal of General Physiology **97**(6): 1295-1319.

Lukowski, A. L., N. Denomme, M. E. Hinze, S. Hall, L. L. Isom and A. R. H. Narayan (2019). "Biocatalytic Detoxification of Paralytic Shellfish Toxins." Acs Chemical Biology **14**(5): 941-948.

Lund, J. A. K., H. J. Barnett, C. L. Hatfield, E. J. Gauglitz, J. C. Wekell and B. Rasco (1997). "Domoic acid uptake and depuration in Dungeness crab (*Cancer magister Dana 1852*)."Journal of Shellfish Research **16**(1): 225-231.

Luo, L. X., J. Yang, Y. Oh, M. J. Hartsock, S. Y. Xia, Y. C. Kim, Z. Ding, T. Meng, C. G. Eberhart, L. M. Ensign, J. E. Thorne, W. J. Stark, E. J. Duh, Q. G. Xu and J. Hanes (2019). "Controlled release of corticosteroid with biodegradable nanoparticles for treating experimental autoimmune uveitis." Journal of Controlled Release **296**: 68-80.

Luo, Q. H., B. Yang, W. H. Tao, J. Li, L. F. Kou, H. Lian, X. Che, Z. G. He and J. Sun (2017). "ATB(0,+) transporter-mediated targeting delivery to human lung cancer cells via aspartate-modified docetaxel-loading stealth liposomes." Biomaterials Science **5**(2): 295-304.

Luo, X. F., S. M. Zhu, J. Wang, J. L. Sun, L. J. Bu and S. Q. Zhou (2020). "Formation, speciation and toxicity of CX3R-type disinfection by-products (DBPs) from chlor(am)ination of 2,4-diaminobutyric acid (DAB)." Ecotoxicology and Environmental Safety **191**: 8.

Luo, Y., Y. Ling, W. S. Guo, J. Pang, W. P. Liu, Y. Q. Fang, X. Q. Wen, K. Wei and X. Gao (2010). "Docetaxel loaded oleic acid-coated hydroxyapatite nanoparticles enhance the docetaxel-induced apoptosis through activation of caspase-2 in androgen independent prostate cancer cells." Journal of Controlled Release **147**(2): 278-288.

Lurling, M., F. Van Oosterhout and E. Faassen (2017). "Eutrophication and Warming Boost Cyanobacterial Biomass and Microcystins." Toxins **9**(2): 16.

Lv, D. Y., L. Zheng, H. Q. Zhang and Y. Deng (2018). "Coagulation of colloidal particles with ferrate(vi)." Environmental Science-Water Research & Technology **4**(5): 701-710.

Lytle, C. (1997). "Activation of the avian erythrocyte Na-K-Cl cotransport protein by cell shrinkage, cAMP, fluoride, and calyculin-A involves phosphorylation at common sites." Journal of Biological Chemistry **272**(24): 15069-15077.

Lytle, C. (1998). "A volume-sensitive protein kinase regulates the Na-K-2Cl cotransporter in duck red blood cells." American Journal of Physiology-Cell Physiology **274**(4): C1002-C1010.

Ma, J. Y., Z. B. Li and Q. G. Xiao (2012). "A new process for Al<sub>2</sub>O<sub>3</sub> production from low-grade diasporic bauxite based on reactive silica dissolution and stabilization in NaOH-NaAl(OH)<sub>4</sub> media." Aiche Journal **58**(7): 2180-2191.

Ma, J. Y., Z. B. Li, Y. Zhang and G. P. Demopoulos (2009). "Desilication of sodium aluminate solution by Friedel's salt (FS: 3CaO center dot Al<sub>2</sub>O<sub>3</sub> center dot CaCl<sub>2</sub> center dot 10H<sub>2</sub>O)." Hydrometallurgy **99**(3-4): 225-230.

Ma, J. Y., K. M. Zhai and Z. B. Li (2011). "Desilication of synthetic Bayer liquor with calcium sulfate dihydrate: Kinetics and modelling." Hydrometallurgy **107**(1-2): 48-55.

Maatouk, I., N. Bouaicha, D. Fontan and Y. Levi (2002). "Seasonal variation of microcystin concentrations in the Saint-Caprais reservoir (France) and their removal in a small full-scale treatment plant." Water Research **36**(11): 2891-2897.

Macdougald, O. A., P. Cornelius, R. Liu and M. D. Lane (1995). "INSULIN REGULATES TRANSCRIPTION OF THE CCAAT/ENHANCER BINDING-PROTEIN (C/EBP) ALPHA-GENE, BETA-GENE, AND DELTA-GENE IN FULLY-DIFFERENTIATE 3T3-L1 ADIPOCYTES." Journal of Biological Chemistry **270**(2): 647-654.

Machado, J. D., A. Morales, J. F. Gomez and R. Borges (2001). "cAMP modulates exocytotic kinetics and increases quantal size in chromaffin cells." Molecular Pharmacology **60**(3): 514-520.

Machado, T. C., G. Kuminek, S. G. Cardoso and N. Rodriguez-Hornedo (2020). "The role of pH and dose/solubility ratio on cocrystal dissolution, drug supersaturation and precipitation." European Journal of Pharmaceutical Sciences **152**: 11.

Maciejewska, I., J. H. Spodnik, S. Wojcik, B. Domaradzka-Pytel and Z. Bereznowski (2006). "The dentin sialoprotein (DSP) expression in rat tooth germs following fluoride treatment: An immunohistochemical study." Archives of Oral Biology **51**(3): 252-261.

MacKenzie, L., V. Beuzenberg, P. Holland, P. McNabb and A. Selwood (2004). "Solid phase adsorption toxin tracking (SPATT): a new monitoring tool that simulates the biotoxin contamination of filter feeding bivalves." *Toxicon* **44**(8): 901-918.

MacKenzie, L., P. Holland, P. McNabb, V. Beuzenberg, A. Selwood and T. Suzuki (2002). "Complex toxin profiles in phytoplankton and Greenshell mussels (*Perna canaliculus*), revealed by LC-MS/MS analysis." *Toxicon* **40**(9): 1321-1330.

MacKenzie, L. A., A. I. Selwood and C. Marshall (2012). "Isolation and characterization of an enzyme from the Greenshell (TM) mussel *Perna canaliculus* that hydrolyses pectenotoxins and esters of okadaic acid." *Toxicon* **60**(3): 406-419.

MacKenzie, L. A., A. I. Selwood, P. McNabb and L. Rhodes (2011). "Benthic dinoflagellate toxins in two warm-temperate estuaries: Rangaunu and Parengarenga Harbours, Northland, New Zealand." *Harmful Algae* **10**(6): 559-566.

Mackey, K. R. M., J. J. Morris, F. M. M. Morel and S. A. Kranz (2015). "Response of Photosynthesis to Ocean Acidification." *Oceanography* **28**(2): 74-91.

Madany, P., C. J. Xia, L. Bhattacharjee, N. Khan, R. P. Li and J. Liu "Antibacterial activity of gamma Fe<sub>2</sub>O<sub>3</sub>/TiO<sub>2</sub> nanoparticles on toxic cyanobacteria from a lake in Southern Illinois." *Water Environment Research*: 12.

Madhyastha, M. S., I. Novaczek, R. F. Ablett, G. Johnson, M. S. Nijjar and D. E. Sims (1991). "A COMPARATIVE-STUDY OF UPTAKE AND RELEASE OF GLUTAMIC-ACID AND KAINIC ACID BY BLUE MUSSEL (*MYTILUS-EDULIS-L*)."*Aquatic Toxicology* **21**(1-2): 15-28.

Madigan, T., N. Malhi, J. Tan, C. McLeod, I. Stewart, T. Harwood, G. Mann and A. Turnbull (2018). "Experimental uptake and depuration of paralytic shellfish toxins in Southern Rock Lobster, *Jasus edwardsii*." *Toxicon* **143**: 44-50.

Maestrini, S., P. Gentien, P. Lassus, M. Leveau, P. Nival and A. Sournia (1991). Programme national "Efflorescences algales marines" : principaux résultats 1989-1990 : programme 1991-1992.

Mafra, L. L., V. M. Bricelj and K. Fennel (2010). "Domoic acid uptake and elimination kinetics in oysters and mussels in relation to body size and anatomical distribution of toxin." *Aquatic Toxicology* **100**(1): 17-29.

Mafra, L. L., V. M. Bricelj, C. Ouellette and S. S. Bates (2010). "Feeding mechanics as the basis for differential uptake of the neurotoxin domoic acid by oysters, *Crassostrea virginica*, and mussels, *Mytilus edulis*."*Aquatic Toxicology* **97**(2): 160-171.

Mafra, L. L., P. K. W. Nolli, L. E. Mota, C. Domit, M. Soeth, L. F. G. Luz, B. F. Sobrinho, J. G. Leal and M. Di Domenico (2019). "Multi-species okadaic acid contamination and human poisoning during a massive bloom of *Dinophysis acuminata* complex in southern Brazil." *Harmful Algae* **89**: 15.

Mafra, L. L., T. Ribas, T. P. Alves, L. A. O. Proenca, M. A. Schramm, H. Uchida and T. Suzuki (2015). "Differential okadaic acid accumulation and detoxification by oysters and mussels during natural and simulated *Dinophysis* blooms." *Fisheries Science* **81**(4): 749-762.

Maggi, P., Y. Gruet, P. Lassus and F. Kalifa (1977). "Influence de la pollution urbaine sur la vitalité des herbiers à posidonies dans le golfe de Giens (Var)." Science et Pêche **269**: 5-13.

Maggi, P., Y. Gruet, P. Lassus, P. Michel and J.-R. Polleau (1977). Contrôle des rejets de phosphoglycophosphates en Baie de Seine. Mission du 26 au 30 juillet 1976.

Maggi, P., Y. Gruet, P. Lassus, P. Michel and Y. Thibaud (1976). Contrôle des rejets de phosphoglycophosphates en Baie de Seine - Mission des 7, 8 et 9 janvier 1976.

Maggi, P. and P. Lassus (1975). Influence de chocs thermiques et d'un traitement au chlore sur la croissance d'un flagelle - *Dunaliella tertiolecta* (BUTCHER).

Maggi, P. and P. Lassus (1980). Étude de la sensibilité thermique des larves du crustacé décapode : *Palaemon serratus*.

Maggi, P., P. Lassus and A. Abarnou (1975). Influence de chocs thermiques sur la croissance d'une diatomée : *Phaeodactylum tricornutum* Bohlin.

Maggi, P., P. Lassus and A. Abarnou (1977). Influence de chocs thermiques sur la croissance d'une diatomée : *Gyrosigma spencerii* Cleve.

Maggi, P., P. Lassus and A. Abarnou (1978). Influence de chocs thermiques et d'un traitement au chlore sur la croissance d'une diatomée *Gyrosigma spencerii* (Cleve).

Maggi, P., P. Lassus and A. Abarnou (1978). Influence de chocs thermiques sur la croissance d'un flagelle : *Dunaliella tertiolecta* (Butcher).

Maggi, P., P. Lassus and A. Abarnou (1980). "Influence de chocs thermiques et d'un traitement au chlore sur la croissance d'organismes phytoplanctoniques marins - 1. La diatomée *Gyrosigma spencerii* (Cleve)." Science et Pêche **301**: 1-15.

Maggi, P., P. Lassus, M. E. Larrazabal, M. Etienne, A. Pezeron, F. Mornet and L. Soulard (1989). Facteurs hydroclimatiques et apparitions d'eaux colorées, en Baie de Vilaine, durant l'année 1987, Ifremer.

Maggi, P., P. Lassus, I. Truquet, A. Mastouri and L. Soulard (1987). Facteurs hydroclimatiques et apparitions d'eaux colorées, en baie de Vilaine, durant l'année 1985.

Maggi, P., P. Lassus, I. Truquet and L. Soulard (1987). Facteurs hydroclimatiques et apparitions d'eaux colorées, en Baie de Vilaine, durant l'année 1986.

Maggi, P., A. Mastouri, P. Lassus, L. Soulard, Y. Cadiou and C. Le Paul (1986). Suivi des facteurs climatiques susceptibles de jouer un rôle dans les apparitions d'eaux colorées, en baie de Vilaine, durant l'année 1985.

Maggi, P., P. Truquet, F. Mornet and P. Lassus (1992). Distribution verticale, à basse et pleine mers, du phytoplancton estival en baie de Seine (Juillet 1991 - Campagne DINOSEINE 1).

Mahajan, G. and D. Sud (2014). "Nano sized carbonized waste biomass for heavy metal ion remediation." Polish Journal of Chemical Technology **16**(4): 6-13.

Mairet, F. and R. Baron (2019). "A Physiologically Structured Equation to Consider Quota Heterogeneity in the Droop Model." Ifac Papersonline **52**(26): 275-280.

Mak, C. A., K. Weis, T. Henao, A. Kuchtova, T. T. Chen, S. Sharma, D. A. Meekins, M. Thalmann, C. W. Vander Kooi and M. Raththagala (2021). "Cooperative Kinetics of the Glucan Phosphatase Starch Excess4." Biochemistry **60**(31): 2425-2435.

Makielski, J. C., J. Satin and Z. Fan (1993). "POST-REPOLARIZATION BLOCK OF CARDIAC SODIUM-CHANNELS BY SAXITOXIN." Biophysical Journal **65**(2): 790-798.

Makoure, D., A. Arhaliass, A. Echchelh, R. Baron and J. Legrand (2019). "Procédé d'extrusion réactive et/ou enzymatique pour l'extraction de phycocolloïdes : application aux produits de la mer Reactive and/or enzymatic extrusion process for phycocolloids extraction: application to sea products." Science et technologie des aliments/Food Science and Technology **19**(2).

Malaissi, L., C. A. Vaccarini, M. P. Hernandez, M. Ruscitti, C. Arango, F. Busquets, A. M. Arambarri, L. Giannuzzi, D. Andrinolo and D. Sedan (2020). "D-Leu(1) MC-LR and MC-LR: A Small-Large Difference: Significantly Different Effects onPhaseolus vulgarisL. (Fabaceae) Growth and Phototropic Response after Single Contact during Imbibition with Each of These Microcystin Variants." Toxins **12**(9): 22.

Malayeri, H. Z., M. Nadagouda and H. Choi (2017). "Solar-driven photocatalytic decomposition of microcystin-LR: from laboratory development to on-site demonstration." Water Science and Technology-Water Supply **17**(6): 1722-1729.

Maldonado, M. T., M. P. Hughes, E. L. Rue and M. L. Wells (2002). "The effect of Fe and Cu on growth and domoic acid production by Pseudo-nitzschia multiseries and Pseudo-nitzschia australis." Limnology and Oceanography **47**(2): 515-526.

Maldve, R. E. and S. M. Fischer (1996). "Multifactor regulation of prostaglandin H synthase-2 in murine keratinocytes." Molecular Carcinogenesis **17**(4): 207-216.

Maneiro, I., P. Iglesias, C. Guisande, I. Riveiro, A. Barreiro, S. Zervoudaki and E. Graneli (2005). "Fate of domoic acid ingested by the copepod *Acartia clausi*." Marine Biology **148**(1): 123-130.

Manger, R. L., L. S. Leja, S. Y. Lee, J. M. Hungerford, M. A. Kirkpatrick, T. Yasumoto and M. M. Wekell (2003). "Detection of paralytic shellfish poison by rapid cell bioassay: Antagonism of voltage-gated sodium channel active toxins in vitro." Journal of Aoac International **86**(3): 540-543.

Manheim, D. C., R. L. Detwiler and S. C. Jiang (2019). "Application of unstructured kinetic models to predict microcystin biodegradation: Towards a practical approach for drinking water treatment." Water Research **149**: 617-631.

Manheim, D. C. and S. C. Jiang (2017). "Investigation of Algal Biotoxin Removal during SWRO Desalination through a Materials Flow Analysis." Water **9**(10): 22.

Mani, T. K. and P. R. S. Pillai (2004). "Drop parameter estimation from underwater noise produced by raindrop impact." Acoustics Research Letters Online-Arlo **5**(3): 118-124.

Marcaillou, C., J. Haure, F. Mondeguer, A. Courcoux, B. Dupuy and C. Penisson (2010). "Effect of food supply on the detoxification in the blue mussel, *Mytilus edulis*, contaminated by diarrhetic shellfish toxins." Aquatic Living Resources **23**(3): 255-266.

Marcaillou-Le Baut, C., D. Delmas, A. Herblard, P. Gentien, S. Maestrini, P. Lassus and P. Masselin (1993). "Cinétique de contamination de moules *Mytilus edulis* exposées à une population naturelle de Dinoflagellés *Dinophysis spp.*" Comptes Rendus de l'Academie des Sciences Serie III-sciences De La Vie-life Sciences **316**(10): 1274-1276.

Marcaillou-Le Baut, C., P. Masselin, M. Bohec, P. Truquet, Z. Amzil, F. Pouchus, J. Le Boterff, J.-F. Verbist, J.-P. Vernoux, C. Marais, J.-F. Simon, G. Nizard, G. Mercier, R. Choumiloff and B. Baron (1992). Détection de l'acide okadaïque dans les moules toxiques : comparaisons de bioéssais.

Marcailloulebaut, C., D. Delmas, A. Herblard, P. Gentien, S. Y. Maestrini, P. Lassus and P. Masselin (1993). "CONTAMINATION KINETICS OF MUSSELS *MYTILUS-EDULIS* EXPOSED TO A NATURAL-POPULATION OF DINOFLAGELLATES *DINOPHYYSIS SPP.*" Comptes Rendus De L Academie Des Sciences Serie Iii-Sciences De La Vie-Life Sciences **316**(10): 1274-1276.

Marchetti, A., M. T. Maldonado, E. S. Lane and P. J. Harrison (2006). "Iron requirements of the pennate diatom *Pseudo-nitzschia*: Comparison of oceanic (high-nitrate, low-chlorophyll waters) and coastal species." Limnology and Oceanography **51**(5): 2092-2101.

Marchetti, J., G. Bougaran, L. Le Dean, C. Megrier, E. Lukomska, R. Kaas, E. Olivo, R. Baron, R. Robert and J.-P. Cadoret (2012). "Optimizing conditions for the continuous culture of *Isochrysis affinis galbana* relevant to commercial hatcheries." Aquaculture **326**: 106-115.

Marin, F. R., J. W. Jones, F. Royce, C. Sugitani, J. L. Donzeli, W. J. Pallone and D. S. P. Nassif (2011). "Parameterization and Evaluation of Predictions of DSSAT/CANEGRO for Brazilian Sugarcane." Agronomy Journal **103**(2): 304-315.

Marinkovic, A. D., B. Z. Jovanovic, F. H. Assaleh, V. V. Vajs and M. I. Juranic (2012). "Linear free energy relationships applied to the reactivity and the C-13 NMR chemical shifts in 4- (substituted phenyl)imino methyl benzoic acids." Journal of Molecular Structure **1011**: 158-165.

Marquez, I. A., A. Abraham and J. W. Krause (2020). "Organic polymer consumption facilitates domoic acid entry into the marine food web without direct ingestion of *Pseudo-nitzschia*." Harmful Algae **98**: 10.

Marsden, I. D., A. M. Contreras, L. MacKenzie and M. H. G. Munro (2016). "A comparison of the physiological responses, behaviour and biotransformation of paralytic shellfish poisoning toxins in a surf-clam (*Paphies donacina*) and the green-lipped mussel (*Perna canaliculus*)."Marine and Freshwater Research **67**(8): 1163-1174.

Marshall, B. E. The impact of eutrophication on Lake Chivero, Zimbabwe: A tropical African reservoir. International Workshop on Restoration and Management of Eutrophic Lakes, Kunming, PEOPLES R CHINA, Science Publishers Inc.

Marsot, P. (1997). "Metabolic activities and toxicity of the dinoflagellate *Alexandrium tamarensense* in a dialysis culture exposed to an estuary." Canadian Journal of Microbiology **43**(4): 305-314.

Martelli, F., M. Cirlini, L. Dellafiora, E. Neviani, C. Dall'Asta and V. Bernini (2022). "Mitigation of marine toxins by interactions with bacteria: The case of okadaic acid and tetrodotoxin." Food Control **131**: 8.

Martinez, M. J., M. L. Hernandez, O. Fresnedo, M. Lacort and B. Ochoa (1995). "INHIBITION OF MICROSOMAL CHOLESTEROL ESTER HYDROLASE BY OKADAIC ACID IN ISOLATED RAT HEPATOCYTES." *Biochimica Et Biophysica Acta-Lipids and Lipid Metabolism* **1258**(2): 90-94.

Martinez-Albores, A., A. Lopez-Santamarina, J. A. Rodriguez, I. S. Ibarra, A. D. Mondragon, J. M. Miranda, A. Lamas and A. Cepeda (2020). "Complementary Methods to Improve the Depuration of Bivalves: A Review." *Foods* **9**(2): 16.

Martinez-Ballesta, M. D., V. Martinez and M. Carvajal (2000). "Regulation of water channel activity in whole roots and in protoplasts from roots of melon plants grown under saline conditions." *Australian Journal of Plant Physiology* **27**(7): 685-691.

Martinez-Escauriaza, R., V. Lozano, M. L. Perez-Paralle, J. Blanco, J. L. Sanchez and A. J. Pazos (2021). "Expression Analyses of Genes Related to Multixenobiotic Resistance in *Mytilus galloprovincialis* after Exposure to Okadaic Acid-Producing *Dinophysis acuminata*." *Toxins* **13**(9): 20.

Martinez-Escauriaza, R., V. Lozano, M. L. Perez-Paralle, A. J. Pazos and J. L. Sanchez (2018). "VALIDATION OF REFERENCE GENES IN MUSSEL *MYTILUS GALLOPROVINCIALIS* TISSUES UNDER THE PRESENCE OF OKADAIC ACID." *Journal of Shellfish Research* **37**(1): 93-101.

Martins, J. C., D. Dominguez-Perez, C. Azevedo, A. C. Braga, P. R. Costae, H. Osorio, V. Vasconcelos and A. Campos (2020). "Molecular Responses of Mussel *Mytilus galloprovincialis* Associated to Accumulation and Depuration of Marine Biotoxins Okadaic Acid and Dinophysistoxin-1 Revealed by Shotgun Proteomics." *Frontiers in Marine Science* **7**: 15.

Mash, H. and A. Wittkorn (2016). "Effect of chlorination on the protein phosphatase inhibition activity for several microcystins." *Water Research* **95**: 230-239.

Masselin, P., P. Lassus and M. Bardouil (1992). "High performance liquid chromatography analysis of diarrhetic toxins in *Dinophysis* spp. from the French coast." *Journal Of Applied Phycology* **4**(4): 385-389.

Masselin, P., J.-C. Le Saux, D. Le Gal and P. Lassus (1996). Dosage par C.L.H.P. des toxines paralysantes de coquillages contaminés par *Alexandrium minutum* en rivières de Morlaix et de la Penzé en 1994.

Massey, I. Y., X. Zhang and F. Yang (2018). "Importance of bacterial biodegradation and detoxification processes of microcystins for environmental health." *Journal of Toxicology and Environmental Health-Part B-Critical Reviews* **21**(6-8): 357-369.

Massillon, D., W. Stalmans, G. Vandewerve and M. Bollen (1994). "IDENTIFICATION OF THE GLYCOGENIC COMPOUND 5-IODOTUBERCIDIN AS A GENERAL PROTEIN-KINASE INHIBITOR." *Biochemical Journal* **299**: 123-128.

Mat, A. M., H. Haberkorn, J. P. Bourdineaud, J. C. Massabuau and D. Tran (2013). "Genetic and genotoxic impacts in the oyster *Crassostrea gigas* exposed to the harmful alga *Alexandrium minutum*." *Aquatic Toxicology* **140**: 458-465.

Mathe, C., D. Beyer, F. Erdodi, Z. Serfozo, L. Szekvolgyi, G. Vasas, M. M-Hamvas, K. Jambrik, S. Gonda, A. Kiss, Z. M. Szigeti and G. Suranyi (2009). "Microcystin-LR induces abnormal root

development by altering microtubule organization in tissue-cultured common reed (*Phragmites australis*) plantlets." *Aquatic Toxicology* **92**(3): 122-130.

Matsushima, R., H. Uchida, S. Nagai, R. Watanabe, M. Kamio, H. Nagai, M. Kaneniwa and T. Suzuki (2015). "Assimilation, Accumulation, and Metabolism of Dinophysistoxins (DTXs) and Pectenotoxins (PTXs) in the Several Tissues of Japanese Scallop *Patinopecten yessoensis*." *Toxins* **7**(12): 5141-5154.

Matthijs, H. C. P., P. M. Visser, B. Reeze, J. Meeuse, P. C. Slot, G. Wijn, R. Talens and J. Huisman (2012). "Selective suppression of harmful cyanobacteria in an entire lake with hydrogen peroxide." *Water Research* **46**(5): 1460-1472.

Mattingly, R. R. and J. C. Garrison (1992). "OKADAIC ACID INHIBITS ANGIOTENSIN-II STIMULATION OF INS(1,4,5)P3 AND CALCIUM SIGNALING IN RAT HEPATOCYTES." *Febs Letters* **296**(2): 225-230.

Mauriz, A. and J. Blanco (2010). "Distribution and linkage of domoic acid (amnesic shellfish poisoning toxins) in subcellular fractions of the digestive gland of the scallop *Pecten maximus*." *Toxicon* **55**(2-3): 606-611.

May, S. P., J. M. Burkholder, S. E. Shumway, H. Hégaret, G. H. Wikfors and D. Frank (2010). "Effects of the toxic dinoflagellate *Alexandrium monilatum* on survival, grazing and behavioral response of three ecologically important bivalve molluscs." *Harmful Algae* **9**(3): 281-293.

Mazzeo, A., M. Varra, L. Tartaglione, P. Ciminiello, Z. Zendong, P. Hess and C. Dell'Aversano (2021). "Toward Isolation of Palytoxins: Liquid Chromatography Coupled to Low- or High-Resolution Mass Spectrometry for the Study on the Impact of Drying Techniques, Solvents and Materials." *Toxins* **13**(9).

Mbukwa, E. A., T. A. M. Msagati and B. B. Mamba (2012). "Supported liquid membrane-liquid chromatography-mass spectrometry analysis of cyanobacterial toxins in fresh water systems." *Physics and Chemistry of the Earth* **50-52**: 84-91.

McCallum, M. E. and E. P. Balskus (2019). "BIOCHEMISTRY Enzymes that detoxify marine toxins." *Nature* **570**(7761): 315-316.

McCarron, P., S. Burrell and P. Hess (2007). "Effect of addition of antibiotics and an antioxidant on the stability of tissue reference materials for domoic acid, the amnesic shellfish poison." *Analytical And Bioanalytical Chemistry* **387**(7): 2495-2502.

McCarron, P., H. Emteborg and P. Hess (2007). "Freeze-drying for the stabilisation of shellfish toxins in mussel tissue (*Mytilus edulis*) reference materials." *Analytical And Bioanalytical Chemistry* **387**(7): 2475-2486.

McCarron, P., H. Emteborg, C. Nulty, T. Rundberget, J. I. Loader, K. Teipel, C. O. Miles, M. A. Quilliam and P. Hess (2011). "A mussel tissue certified reference material for multiple phycotoxins. Part 1: design and preparation." *Analytical And Bioanalytical Chemistry* **400**(3): 821-833.

McCarron, P., S. D. Giddings, K. L. Reeves, P. Hess and M. A. Quilliam (2015). "A mussel (*Mytilus edulis*) tissue certified reference material for the marine biotoxins azaspiracids." *Analytical And Bioanalytical Chemistry* **407**(11): 2985-2996.

McCarron, P. and P. Hess (2006). "Tissue distribution and effects of heat treatments on the content of domoic acid in blue mussels, *Mytilus edulis*." *Toxicon* **47**(4): 473-479.

McCarron, P., J. Kilcoyne and P. Hess (2008). "Effects of cooking and heat treatment on concentration and tissue distribution of okadaic acid and dinophysistoxin-2 in mussels (*Mytilus edulis*)."*Toxicon* **51**(6): 1081-1089.

McCarron, P., J. Kilcoyne, C. O. Miles and P. Hess (2009). "Formation of Azaspiracids-3,-4,-6, and-9 via Decarboxylation of Carboxyazaspiracid Metabolites from Shellfish."*Journal of Agricultural and Food Chemistry* **57**(1): 160-169.

McCarron, P., M. Kotterman, J. de Boer, N. Rehmann and P. Hess (2007). "Feasibility of gamma irradiation as a stabilisation technique in the preparation of tissue reference materials for a range of shellfish toxins."*Analytical And Bioanalytical Chemistry* **387**(7): 2487-2493.

McCarthy, M., V. Bane, M. Garcia-Altares, F. van Pelt, A. Furey and J. O'Halloran (2015). "Assessment of emerging biotoxins (pinnatoxin G and spirolides) at Europe's first marine reserve: Lough Hyne."*Toxicon* **108**: 202-209.

McCarthy, M., F. van Pelt, V. Bane, J. O'Halloran and A. Furey (2014). "Application of passive (SPATT) and active sampling methods in the profiling and monitoring of marine biotoxins."*Toxicon* **89**: 77-86.

McFarland, K., F. Jean, P. Soudant and A. K. Volety (2015). "Uptake and elimination of brevetoxin in the invasive green mussel, *Perna viridis*, during natural *Karenia brevis* blooms in southwest Florida."*Toxicon* **97**: 46-52.

McHau, G. J., E. Makule, R. Machunda, Y. Y. Gong and M. Kimanya (2019). "Harmful algal bloom and associated health risks among users of Lake Victoria freshwater: Ukerewe Island, Tanzania."*Journal of Water and Health* **17**(5): 826-836.

McKindles, K. M., M. A. Manes, J. R. DeMarco, A. McClure, R. M. McKay, T. W. Davis and G. S. Bullerjahn (2020). "Dissolved Microcystin Release Coincident with Lysis of a Bloom Dominated by *Microcystis* spp. in Western Lake Erie Attributed to a Novel Cyanophage."*Applied and Environmental Microbiology* **86**(22): 14.

McLeod, C., N. Dowsett, G. Hallegraeff, D. T. Harwood, B. Hay, S. Ibbott, N. Malhi, S. Murray, K. Smith, J. Tan and A. Turnbull (2017). "Accumulation and depuration of paralytic shellfish toxins by Australian abalone *Haliotis rubra*: Conclusive association with *Gymnodinium catenatum* dinoflagellate blooms."*Food Control* **73**: 971-980.

McManus, M. A., A. T. Greer, A. H. V. Timmerman, J. C. Sevadjian, C. B. Woodson, R. Cowen, D. A. Fong, S. Monismith and O. M. Cheriton (2021). "Characterization of the biological, physical, and chemical properties of a toxic thin layer in a temperate marine system."*Marine Ecology Progress Series* **678**: 17-35.

McPherson, D. R. and L. Y. M. Huang (1991). "VOLTAGE-DEPENDENT TETRODOTOXIN BINDING TO SINGLE BATRACHOTOXIN-MODIFIED NA-CHANNELS RECORDED FROM INTACT NEUROBLASTOMA-CELLS."*Neuroscience Letters* **131**(2): 201-204.

Medhioub, A., W. Medhioub, Z. Amzil, M. Sibat, M. Bardouil, I. Ben Neila, S. Mezghani, A. Hamza and P. Lassus (2009). "Influence of environmental parameters on Karenia selliformis toxin content in culture." CBM - Cahiers de Biologie Marine **50**(4): 333-342.

Medhioub, W., M. Gueguen, P. Lassus, M. Bardouil, P. Truquet, M. Sibat, N. Medhioub, P. Soudant, M. Kraiem and Z. Amzil (2010). "Detoxification enhancement in the gymnodimine-contaminated grooved carpet shell, *Ruditapes decussatus* (Linne)." Harmful Algae **9**(2): 200-207.

Medhioub, W., P. Lassus, P. Truquet, M. Bardouil, Z. Amzil, V. Sechet, M. Sibat and P. Soudant (2012). "Spirolide uptake and detoxification by *Crassostrea gigas* exposed to the toxic dinoflagellate *Alexandrium ostenfeldii*." Aquaculture **358-359**: 108-115.

Medhioub, W., V. Sechet, P. Truquet, M. Bardouil, Z. Amzil, P. Lassus and P. Soudant (2011). "Alexandrium ostenfeldii growth and spirolide production in batch culture and photobioreactor." Harmful Algae **10**(6): 794-803.

Medina, V. F., C. S. Griggs and C. Thomas (2016). "Evaluation of the Destruction of the Harmful Cyanobacteria, *Microcystis aeruginosa*, with a Cavitation and Superoxide Generating Water Treatment Reactor." Bulletin of Environmental Contamination and Toxicology **96**(6): 791-796.

Medina-Elizaide, J., E. Garcia-Mendoza, A. D. Turner, Y. A. Sanchez-Bravo and R. Murillo-Martinez (2018). "Transformation and Depuration of Paralytic Shellfish Toxins in the Geoduck Clam *Panopea globosa* From the Northern Gulf of California." Frontiers in Marine Science **5**: 13.

Melegari, S. P. and W. G. Matias (2012). "Preliminary assessment of the performance of oyster shells and chitin materials as adsorbents in the removal of saxitoxin in aqueous solutions." Chemistry Central Journal **6**: 8.

Mellado, C., O. R. Chaparro, C. Duarte, P. A. Villanueva, A. Ortiz, N. Valdivia, R. Torres and J. M. Navarro (2019). "Ocean acidification exacerbates the effects of paralytic shellfish toxins on the fitness of the edible mussel *Mytilus chilensis*." Science of the Total Environment **653**: 455-464.

Mello, D. F., E. S. de Oliveira, R. C. Vieira, E. Simoes, R. Trevisan, A. L. Dafre and M. A. Barracco (2012). "Cellular and Transcriptional Responses of *Crassostrea gigas* Hemocytes Exposed in Vitro to Brevetoxin (PbTx-2)." Marine Drugs **10**(3): 583-597.

Mendes, M. C. D., J. M. D. Nunes, S. Fraga, F. Rodriguez, J. M. Franco, P. Riobo, S. Branco and M. Menezes (2019). "Morphology, molecular phylogeny and toxinology of *Coolia* and *Prorocentrum* strains isolated from the tropical South Western Atlantic Ocean." Botanica Marina **62**(2): 125-140.

Menezes, C., E. Valerio, M. J. Botelho and E. Dias (2020). "Isolation and Characterization of *Cylindrospermopsis raciborskii* Strains from Finished Drinking Water." Toxins **12**(1): 13.

Mengelt, C. and B. B. Prezelin (2005). "UVA enhancement of carbon fixation and resilience to UV inhibition in the genus *Pseudo-nitzschia* may provide a competitive advantage in high UV surface waters." Marine Ecology Progress Series **301**: 81-93.

Menzel, S., T. Holland, A. Boes, H. Spiegel, J. Bolzenius, R. Fischer and J. F. Buyel (2016). "Optimized Blanching Reduces the Host Cell Protein Content and Substantially Enhances the Recovery and Stability of Two Plant-Derived Malaria Vaccine Candidates." Frontiers in Plant Science **7**: 15.

Mercado, A., P. De Los Heros, N. Vazquez, P. Meade, D. B. Mount and G. Gamba (2001). "Functional and molecular characterization of the K-Cl cotransporter of *Xenopus laevis* oocytes." American Journal of Physiology-Cell Physiology **281**(2): C670-C680.

Mercado, A., N. Vazquez, L. Y. Song, R. Cortes, A. H. Enck, R. Welch, E. Delpire, G. Gamba and D. B. Mount (2005). "NH<sub>2</sub>-terminal heterogeneity in the KCC3K(+)-Cl<sup>-</sup> cotransporter." American Journal of Physiology-Renal Physiology **289**(6): F1246-F1261.

Merel, S., M. Clement and O. Thomas (2010). "State of the art on cyanotoxins in water and their behaviour towards chlorine." Toxicon **55**(4): 677-691.

Merel, S., D. Walker, R. Chicana, S. Snyder, E. Baures and O. Thomas (2013). "State of knowledge and concerns on cyanobacterial blooms and cyanotoxins." Environment International **59**: 303-327.

Mertens, K., M. Adachi, D. M. Anderson, C. J. Band-Schmidt, I. Bravo, M. L. Brosnahan, C. J. S. Bolch, A. J. Calado, M. C. Carbonell-Moore, N. Chomérat, M. Elbrächter, R. I. Figueroa, S. Fraga, I. Gárate-Lizárraga, E. Garcés, H. Gu, G. Hallegraeff, P. Hess, M. Hoppenrath, T. Horiguchi, M. Iwataki, U. John, A. Kremp, J. Larsen, C. P. Leaw, Z. Li, P. T. Lim, W. Litaker, L. Mackenzie, E. Masseret, K. Matsuoka, Ø. Moestrup, M. Montresor, S. Nagai, E. Nézan, T. Nishimura, Y. B. Okolodkov, T. Y. Orlova, A. Reñé, N. Sampedro, C. T. Satta, H. H. Shin, R. Siano, K. F. Smith, K. Steidinger, Y. Takano, U. Tillmann, J. Wolny, A. Yamaguchi and S. Murray (2020). "Morphological and phylogenetic data do not support the split of *Alexandrium* into four genera." Harmful Algae **98**.

Mestrovic, V. and A. Pavela-Vrancic (2003). "Inhibition of alkaline phosphatase activity by okadaic acid, a protein phosphatase inhibitor." Biochimie **85**(7): 647-650.

Metcalf, J. S. and G. A. Codd (2020). "Co-Occurrence of Cyanobacteria and Cyanotoxins with Other Environmental Health Hazards: Impacts and Implications." Toxins **12**(10): 17.

Meyer, L., A. Capper, S. Carter and C. Simpfendorfer (2016). "An investigation into ciguatoxin bioaccumulation in sharks." Toxicon **119**: 234-243.

Miao, H. F. and W. Y. Tao (2009). "The mechanisms of ozonation on cyanobacteria and its toxins removal." Separation and Purification Technology **66**(1): 187-193.

Michailova, V., I. Berlinova, P. Iliev, L. Ivanov, S. Titeva, G. Momekov and I. Dimitrov (2010). "Nanoparticles formed from PNIPAM-g-PEO copolymers in the presence of indomethacin." International Journal of Pharmaceutics **384**(1-2): 154-164.

Migocka, M., A. Warzybok, A. Papierniak and G. Klobus (2013). "NO<sub>3</sub><sup>-</sup>/H<sup>+</sup> Antiport in the Tonoplast of Cucumber Root Cells Is Stimulated by Nitrate Supply: Evidence for a Reversible Nitrate-Induced Phosphorylation of Vacuolar NO<sub>3</sub><sup>-</sup>/H<sup>+</sup> Antiport." Plos One **8**(9): 13.

Mihalczo, J. T., T. E. Valentine and L. D. Phillips (1997). "Subcritical measurements for a HEU storage vault at the Y-12 plant using the Cf-252-source-driven frequency-analysis method." Nuclear Safety **38**(1): 10-24.

Milker, S., M. J. Fink, F. Rudroff and M. D. Mihovilovic (2017). "Non-Hazardous Biocatalytic Oxidation in Nylon-9 Monomer Synthesis on a 40 g Scale With Efficient Downstream Processing." Biotechnology and Bioengineering **114**(8): 1670-1678.

Miller, M. A., M. E. Moriarty, P. J. Duignan, T. S. Zabka, E. Dodd, F. I. Batac, C. Young, A. Reed, M. D. Harris, K. Greenwald, R. M. Kudela, M. J. Murray, F. M. D. Gulland, P. E. Miller, K. Hayashi, C. T. Gunther-Harrington, M. T. Tinker and S. Toy-Choutka (2021). "Clinical Signs and Pathology Associated With Domoic Acid Toxicosis in Southern Sea Otters (*Enhydra lutris nereis*)."Frontiers in Marine Science **8**: 41.

Millward, T. A., S. Zolnierowicz and B. A. Hemmings (1999). "Regulation of protein kinase cascades by protein phosphatase 2A."Trends in Biochemical Sciences **24**(5): 186-191.

Min, B. H., Y. Ravikumar, D. H. Lee, K. S. Choi, B. M. Kim and J. S. Rhee (2018). "Age-dependent antioxidant responses to the bioconcentration of microcystin-LR in the mysid crustacean, *Neomysis awatschensi*."Environmental Pollution **232**: 284-292.

Minard, K. R., G. R. Holtom, L. E. Kathmann, P. D. Majors, B. D. Thrall and R. A. Wind (2004). "Simultaneous H-1 PFG-NMR and confocal microscopy of monolayer cell cultures: Effects of apoptosis and necrosis on water diffusion and compartmentalization."Magnetic Resonance in Medicine **52**(3): 495-505.

Mitsui, K., M. Brady, H. C. Palfrey and A. C. Nairn (1993). "PURIFICATION AND CHARACTERIZATION OF CALMODULIN-DEPENDENT PROTEIN KINASE-III FROM RABBIT RETICULOCYTES AND RAT PANCREAS."Journal of Biological Chemistry **268**(18): 13422-13433.

Mohamed, Z. A., S. Alamri, M. Hashem and Y. Mostafa (2020). "Growth inhibition of *Microcystis aeruginosa* and adsorption of microcystin toxin by the yeast *Aureobasidium pullulans*, with no effect on microalgae."Environmental Science and Pollution Research **27**(30): 38038-38046.

Mohamed, Z. A. and W. W. Carmichael (2000). "Seasonal variation in microcystin levels of river Nile water at Sohag City, Egypt."Annales De Limnologie-International Journal of Limnology **36**(4): 227-234.

Mohamed, Z. A., M. Hashem, S. Alamri, A. Campos and V. Vasconcelos (2021). "Fungal biodegradation and removal of cyanobacteria and microcystins: potential applications and research needs."Environmental Science and Pollution Research **28**(28): 37041-37050.

Moise, G., P. Capota, L. Enache, E. Neagu, V. Dragut, D. Mihaiescu, L. Mara, A. Chirea, R. Zavoianu and A. Sarbu (2017). MATERIAL COMPOSITION AND PROPERTIES OF RED MUD COMING FROM DOMESTIC ALUMINA PROCESSING PLANT. 20th International Symposium on The Environment and the Industry (SIMI), Bucharest, ROMANIA, Natl Research & Development Inst Industrial Ecology Ecoind.

Mondeguer, F., E. Abadie, F. Herve, M. Bardouil, V. Sechet, V. Raimbault, T. Berteaux, S. Z. Zendong, H. Palvadeau, Z. Amzil, P. Hess, V. Fessard, A. Huguet, S. Sosa, A. Tubaro, R. Aráoz and J. Molgó (2015). Pinnatoxines en lien avec l'espèce *Vulcanodinium rugosum* (II).

Mondeguer, F., E. Abadie, F. Herve, L. Dechamps, M. Bardouil, V. Sechet, V. Raimbault, T. Berteaux, S. Z. Zendong, H. Palvadeau, Z. Amzil and P. Hess (2015). Pinnatoxine-G: méthodologie analytique, distribution et accumulation dans les moules: *Mytilus edulis* et *Mytilus galloprovincialis*. Conférence nationale du GdR PHYCOTOX et GIS Cyano. 31 mars au 2 avril 2015, IUEM, Brest.

Mondeguer, F., J.-P. Antignac, Y. Guitton, F. Monteau, S. Le Borgne and P. Hess (2012). "Nouvelle stratégie de caractérisation non ciblée de type métabolomique au service de l'identification de composés bioactifs accumulés dans les mollusques bivalves." Spectra Analyse(284): 24-33.

Mondeguer, F., J.-P. Antignac, Y. Guitton, F. Monteau, S. Le Borgne and P. Hess (2013). Stratégie de mesure non ciblée de type métabolomique (couplage LC-HRMS ) pour identifier différents groupes de composés bioactifs accumulés dans les mollusques bivalves. 6e Journées Scientifiques du Réseau Français Métabolomique et Fluxomique (RFMF) : Echanger, partager au sein de la communauté d'acteurs de la métabolomique et de la fluxomique - 21-23 mai 2012, Nantes.

Mondeguer, F., N. Elie, P. Truquet, V. Savar, B. Dupuy, P. Lassus, J. Haure, Z. Amzil and P. Hess (2010). Etude de l'effet d'un traitement oxydant (H<sub>2</sub>O<sub>2</sub>) sur la décontamination de moules contaminées DSP.

Mondeguer, F., Y. Guitton, F. Herve, E. Abadie, L. Dechamps, V. Raimbault, T. Berteaux, M. Bardouil, S. Z. Zendong, H. Palvadeau, J. Wilson, J. B. Taggart, V. Sechet, Z. Amzil and P. Hess (2015). Profilage métabolique et contrôle d'hypothèses à travers des cinétiques d'accumulation ou d'élimination des métabolites secondaires associés à la phycotoxicité de bivalves filtreurs. 9èmes Journées Scientifiques du Réseau Français de Métabolomique et Fluxomique (RMFM). 9-11 juin 2015 , Lille, France.

Mondeguer, F., A. Lepinay, H. Capiaux, V. Turpin, R. Baron, P. Hess and T. Lebeau (2016). First metabolomic approach of the epiphytic bacteria-marine diatom Haslea ostrearia relationships. OCEANEXT, Interdisciplinary Conference. 8-10 juin 2016, Nantes, France.

Mondeguer, F., M. Sibat, S. Reubrecht, Z. Amzil, M. Bormans, P. Hess and E. Briand (2017). Preliminary metabolomic approach on cyanobacterial co-cultures: Chemically mediated interactions between Microcystis and Planktothrix. SMMAP 2017 - Mass Spectrometry, Metabolomics and Proteomic Analysis. 2-5 octobre 2017, Paris.

Mondeguer, F., F. Souard, Y. Guitton, P.-M. Allard, N. Elie, M. Sibat, M. Latimier, J. Quere, J.-L. Wolfender, R. Siano and P. Hess (2018). Innovative metabolomic workflows to study growth kinetics dinoflagellate cysts revived from modern and ancient sediments. ICHA2018 - 18th International Conference on Harmful Algae "From ecosystems to socio-ecosystems". 21-26 october 2018, Nantes, France.

Mondeguer, F., F. Souard, Y. Guitton, M. Latimier, J. Quere, M. Sibat, P. Hess and R. Siano (2018). First insight on metabolomics workflows and differences between dinoflagellate: characterization and discrimination of modern and ancient strains and their algal growth. 11èmes Journées Scientifiques du Réseau Francophone de Métabolomique et Fluxomique (RMFM). 23-25 mai 2018, Liège, Belgique.

Monfort, P., D. Le Gal, J.-C. Le Saux, G. Piclet, P. Raguenes, S. Boulben and A. Plusquellec (1994). "Improved rapid method for isolation and enumeration of salmonella from bivalves using Rambach agar." Journal Of Microbiological Methods **19**(1): 67-79.

Monfort, P., J. Minet, J. Rocourt, G. Piclet and M. Cormier (1998). "Incidence of Listeria spp. in Breton live shellfish." Letters In Applied Microbiology **26**(3): 205-208.

Monfort, P. and G. Piclet (1994). Fiche technique Listeria.

Monfort, P., G. Piclet, G. Le Naour, J.-C. Le Saux, P. Raguenes, S. Boulben, D. Le Gal, J. Minet, J. Venien, M. Cormier and A. Plusquellec (1995). Présence du genre Listeria dans les coquillages issus de zones conchyliques du Finistère.

Mongin, A. A., S. L. Aksentsev, S. N. Orlov, Z. B. Kvacheva, N. I. Mezen, A. S. Fedulov and S. V. Konev (1996). "Swelling-induced activation of  $\text{Na}^+$ , $\text{K}^+$ , $2\text{Cl}^-$  cotransport in C6 glioma cells: Kinetic properties and intracellular signalling mechanisms." *Biochimica Et Biophysica Acta-Biomembranes* **1285**(2): 229-236.

Monteiro, A. and P. R. Costa (2011). "Distribution and selective elimination of paralytic shellfish toxins in different tissues of *Octopus vulgaris*." *Harmful Algae* **10**(6): 732-737.

Moore, M. N., M. H. Depledge, L. Fleming, P. Hess, D. Lees, P. Leonard, L. Madsen, R. Owen, H. Pirlet, J. Seys, V. Vasconcelos and A. Viarengo (2013). "Oceans and Human Health (OHH): a European Perspective from the Marine Board of the European Science Foundation (Marine Board-ESF)." *Microbial Ecology* **65**(4): 889-900.

Moore, S. K., B. D. Bill, L. R. Hay, J. Emenegger, K. C. Eldred, C. L. Greengrove, J. E. Masura and D. M. Anderson (2015). "Factors regulating excystment of *Alexandrium* in Puget Sound, WA, USA." *Harmful Algae* **43**: 103-110.

Moore, S. K., N. J. Mantua, B. M. Hickey and V. L. Trainer (2009). "Recent trends in paralytic shellfish toxins in Puget Sound, relationships to climate, and capacity for prediction of toxic events." *Harmful Algae* **8**(3): 463-477.

Morabito, M. A., L. E. Llewellyn and E. G. Moczydlowski (1995). "EXPRESSION OF SAXIPHILIN IN INSECT CELLS AND LOCALIZATION OF THE SAXITOXIN-BINDING SITE TO THE C-TERMINAL DOMAIN HOMOLOGOUS TO THE C-LOBE OF TRANSFERRINS." *Biochemistry* **34**(40): 13027-13033.

Moradinejad, S., C. M. Glover, J. Mailly, T. Z. Seighalani, S. Peldszus, B. Barbeau, S. Dorner, M. Prevost and A. Zamyadi (2019). "Using Advanced Spectroscopy and Organic Matter Characterization to Evaluate the Impact of Oxidation on Cyanobacteria." *Toxins* **11**(5): 14.

Moradinejad, S., H. Trigui, J. F. G. Maldonado, J. Shapiro, Y. Terrat, A. Zamyadi, S. Dorner and M. Prevost (2020). "Diversity Assessment of Toxic Cyanobacterial Blooms during Oxidation." *Toxins* **12**(11): 21.

Morais, J., M. Augusto, A. P. Carvalho, M. Vale and V. M. Vasconcelos (2008). "Cyanobacteria hepatotoxins, microcystins: bioavailability in contaminated mussels exposed to different environmental conditions." *European Food Research and Technology* **227**(3): 949-952.

Moreira-González, A. R., A. Comas-González, A. Valle-Pombrol, M. Seisdedo-Losa, O. Hernández-Leyva, L. F. Fernandes, N. Chomérat, G. Bilien, F. Hervé, G.-A. Rovillon, P. Hess, C. M. Alonso-Hernández and L. L. Mafra (2021). "Summer bloom of *Vulcanodinium rugosum* in Cienfuegos Bay (Cuba) associated to dermatitis in swimmers." *Science Of The Total Environment* **757**.

Moriel, P. and D. S. P. Abdalla (1997). "Nitrotyrosine bound to beta-VLDL-apoproteins: A biomarker of peroxy nitrite formation in experimental atherosclerosis." *Biochemical and Biophysical Research Communications* **232**(2): 332-335.

Moriel, P., S. Ajzen, M. C. Bertolami and D. S. P. Abdalla (2002). "Endothelial dysfunction, oxidized lipoproteins and nitric oxide in hypercholesterolemia." Acta Bioquimica Clinica Latinoamericana **36**(2): 243-258.

Morimoto, H., Y. Morimoto, T. Ohba, H. Kido, S. Kobayashi and T. Haneji (1999). "Inhibitors of protein synthesis and RNA synthesis protect against okadaic acid-induced apoptosis in human osteosarcoma cell line MG63 cells but not in Saos-2 cells." Journal of Bone and Mineral Metabolism **17**(4): 266-273.

Morlaix, M. and P. Lassus (1992). "Influence de l'azote et du phosphore sur la croissance et la toxicité de Prorocentrum lima (Ehrenberg) Dodge." Cryptogamie Algologie **13**(3): 187-195.

Morono, A., F. Arevalo, M. L. Fernandez, J. Maneiro, Y. Pazos, C. Salgado and J. Blanco (2003). "Accumulation and transformation of DSP toxins in mussels *Mytilus galloprovincialis* during a toxic episode caused by *Dinophysis acuminata*." Aquatic Toxicology **62**(4): 269-280.

Morono, A., J. Franco, M. Miranda, M. I. Reyero and J. Blanco (2001). "The effect of mussel size, temperature, seston volume, food quality and volume-specific toxin concentration on the uptake rate of PSP toxins by mussels (*Mytilus galloprovincialis* Lmk)." Journal of Experimental Marine Biology and Ecology **257**(1): 117-132.

Morris, R. J., D. E. Williams, H. A. Luu, C. F. B. Holmes, R. J. Andersen and S. E. Calvert (2000). "The adsorption of microcystin-LR by natural clay particles." Toxicon **38**(2): 303-308.

Moss, G. W. J. and E. Moczydlowski (1996). "Rectifying conductance substates in a large conductance Ca<sup>2+</sup>-activated K<sup>+</sup> channel: Evidence for a fluctuating barrier mechanism." Journal of General Physiology **107**(1): 47-68.

Moustaka-Gouni, M., A. Hiskia, S. Genitsaris, M. Katsiapi, K. Manolidi, S. K. Zervou, C. Christophoridis, T. M. Triantis, T. Kaloudis and S. Orfanidis (2017). "First report of Aphanizomenon favaroroi occurrence in Europe associated with saxitoxins and a massive fish kill in Lake Vistonis, Greece." Marine and Freshwater Research **68**(4): 793-800.

Mudadu, A. G., A. M. Bazzoni, V. Congiu, G. Esposito, A. Cesarani, R. Melillo, G. Lorenzoni, S. Cau, B. Soro, B. Vodret, D. Meloni and S. Virgilio (2021). "Longitudinal Study on Seasonal Variation of Marine Biotoxins and Related Harmful Algae in Bivalve Mollusks Bred in Sardinia (Italy, W Mediterranean Sea) from 2015 to 2020 and Assessment of Potential Public Health Risks." Journal of Marine Science and Engineering **9**(5): 18.

Mukhopadhyay, A. and P. J. Kennelly (2011). "A low molecular weight protein tyrosine phosphatase from *Synechocystis* sp strain PCC 6803: enzymatic characterization and identification of its potential substrates." Journal of Biochemistry **149**(5): 551-562.

Muller, T. (1995). "EXPRESSION OF C-FOS IN QUIESCENT SWISS 3T3 CELLS EXPOSED TO AQUEOUS CIGARETTE-SMOKE FRACTIONS." Cancer Research **55**(9): 1927-1932.

Mullick, A. and S. Neogi (2017). "A review on acoustic methods of algal growth control by ultrasonication through existing and novel emerging technologies." Reviews in Chemical Engineering **33**(5): 469-490.

Mulnerlorillon, O., R. Belle, P. Cormier, S. Drawing, O. Minella, R. Poulhe and G. Schmalzing (1995). "BREFELDIN-A PROVOKES INDIRECT ACTIVATION OF CDC2 KINASE (MPF) IN XENOPUS OOCYTES, RESULTING IN MEIOTIC CELL-DIVISION." Developmental Biology **170**(1): 223-229.

Munoz, G., S. V. Duy, A. Roy-Lachapelle, B. Husk and S. Sauve (2017). "Analysis of individual and total microcystins in surface water by on-line preconcentration and desalting coupled to liquid chromatography tandem mass spectrometry." Journal of Chromatography A **1516**: 9-20.

Munoz, M., J. Nieto-Sandoval, S. Cires, Z. M. de Pedro, A. Quesada and J. A. Casas (2019). "Degradation of widespread cyanotoxins with high impact in drinking water (microcystins, cylindrospermopsin, anatoxin-a and saxitoxin) by CWPO." Water Research **163**: 10.

Murphy, T. (2001). Global perspectives and limitations of lake restoration. Symposium on the Lake Debate held in conjunction with the World Lakes Conference, Lake Biwa Res Inst, Otsu, Japan, Springer-Verlag Tokyo.

Murray, I., N. Rowan, S. McNamee, K. Campbell and A. Fogarty (2018). "Pulsed light reduces the toxicity of the algal toxin okadaic acid to freshwater crustacean *Daphnia pulex*." Environmental Science and Pollution Research **25**(1): 607-614.

Musumeci, T., C. A. Ventura, I. Giannone, B. Ruozzi, L. Montenegro, R. Pignatello and G. Puglisi (2006). "PLA/PLGA nanoparticles for sustained release of docetaxel." International Journal of Pharmaceutics **325**(1-2): 172-179.

Muzzio, I. A., R. R. Ramirez, A. C. Talk and L. D. Matzel (1999). "Interactive contributions of intracellular calcium and protein phosphatases to massed-trials learning deficits in Hermissenda." Behavioral Neuroscience **113**(1): 103-117.

Naar, J., P. Branaa, M. Y. Bottein-Dechraoui, M. Chinain and S. Pauillac (2001). "Polyclonal and monoclonal antibodies to PbTx-2-type brevetoxins using minute amount of hapten-protein conjugates obtained in a reversed micellar medium." Toxicon **39**(6): 869-878.

Nachon, F., X. Brazzolotto, M. Trovaslet and P. Masson (2013). "Progress in the development of enzyme-based nerve agent bioscavengers." Chemico-Biological Interactions **206**(3): 536-544.

Nachon, F., E. Carletti, C. Ronco, M. Trovaslet, Y. Nicolet, L. Jean and P. Y. Renard (2013). "Crystal structures of human cholinesterases in complex with huperzine W and tacrine: elements of specificity for anti-Alzheimer's drugs targeting acetyl- and butyryl-cholinesterase." Biochemical Journal **453**: 393-399.

Nagai, S., T. Suzuki, T. Nishikawa and T. Kamiyama (2011). "DIFFERENCES IN THE PRODUCTION AND EXCRETION KINETICS OF OKADAIC ACID, DINOPHYSTOXIN-1, AND PECTENOTOXIN-2 BETWEEN CULTURES OF DINOPHYYSIS ACUMINATA AND DINOPHYYSIS FORTII ISOLATED FROM WESTERN JAPAN." Journal of Phycology **47**(6): 1326-1337.

Nagle, D. G., Y. D. Zhou, F. D. Mora, K. A. Mohammed and Y. P. Kim (2004). "Mechanism targeted discovery of antitumor marine natural products." Current Medicinal Chemistry **11**(13): 1725-1756.

Nair, A., A. C. Thomas and M. E. Borsuk (2013). "Interannual variability in the timing of New England shellfish toxicity and relationships to environmental forcing." Science of the Total Environment **447**: 255-266.

Nakamura, N., K. Nakano, N. Sugiura and M. Matsumura (2003). "A novel cyanobacteriolytic bacterium, *Bacillus cereus*, isolated from a eutrophic lake." Journal of Bioscience and Bioengineering **95**(2): 179-184.

Nascimento, S. M., R. A. Neves, G. A. De'Carli, G. T. Borsato, R. A. Da Silva, G. A. Melo, A. M. de Morais, T. C. Cockell, S. Fraga, A. D. Menezes-Salgueiro, L. L. Mafra, Jr., P. Hess and F. Salgueiro (2020). "Ostreopsis cf. ovata (Dinophyceae) Molecular Phylogeny, Morphology, and Detection of Ovatoxins in Strains and Field Samples from Brazil." Toxins **12**(2).

Naseem, S. M. and D. A. Creasia (1997). "Comparative binding and toxicity of saxitoxin and saxitoxinol in mice and in cultured cells." Biochemistry and Molecular Biology International **41**(2): 377-388.

Navarro, J. M., B. L. Aguila, F. Machmar, O. R. Chaparro and A. M. Contreras (2011). "Dynamic of intoxication and detoxification in juveniles of *Mytilus chilensis* (Bivalvia: Mytilidae) exposed to paralytic shellfish toxins." Aquatic Living Resources **24**(1): 93-98.

Navarropigent, M. J., I. Seguin, P. Boivin and D. Dhermy (1995). "STUDY OF HUMAN ERYTHROCYTE-MEMBRANE PROTEIN INTERACTIONS BY SELECTIVE SOLUBILIZATION OF TRITON-SKELETONS." Biology of the Cell **83**(1): 33-38.

Navazio, L., R. Moscatiello, D. Bellincampi, B. Baldan, F. Meggio, M. Brini, C. Bowler and P. Mariani (2002). "The role of calcium in oligogalacturonide-activated signalling in soybean cells." Planta **215**(4): 596-605.

Necibi, M. C., D. Dhiba and S. El Hajjaji (2021). "Contaminants of Emerging Concern in African Wastewater Effluents: Occurrence, Impact and Removal Technologies." Sustainability **13**(3): 12.

Negron, G. and B. S. Eckert (2000). "Role of phosphorylation in ethanol-induced aggregation of keratin intermediate filaments." Alcoholism-Clinical and Experimental Research **24**(9): 1343-1352.

Netto, M. S., J. Georgin, D. S. P. Franco, E. S. Mallmann, E. L. Foletto, M. Godinho, D. Pinto and G. L. Dotto "Effective adsorptive removal of atrazine herbicide in river waters by a novel hydrochar derived from *Prunus serrulata* bark." Environmental Science and Pollution Research: 14.

Neves, R. A. F., G. M. Figueiredo, J. L. Valentin, P. M. D. Scardua and H. Hegaret (2015). "Immunological and physiological responses of the periwinkle *Littorina littorea* during and after exposure to the toxic dinoflagellate *Alexandrium minutum*." Aquatic Toxicology **160**: 96-105.

Neves, R. A. F., S. M. Nascimento and L. N. Santos (2020). "Sublethal fish responses to short-term food chain transfer of DSP toxins: The role of somatic condition." Journal of Experimental Marine Biology and Ecology **524**: 7.

Newcombe, G., D. Cook, S. Brooke, L. Ho and N. Slyman (2003). "Treatment options for microcystin toxins: Similarities and differences between variants." Environmental Technology **24**(3): 299-308.

Newcombe, G. and B. Nicholson (2004). "Water treatment options for dissolved cyanotoxins." Journal of Water Supply Research and Technology-Aqua **53**(4): 227-239.

Newcombe, G., B. Nicholson, C. Iwa Programme, C. Iwa Programme and C. Iwa Programme (2002). Treatment options for the saxitoxin class of cyanotoxins. 3rd World Water Congress of the International-Water-Association, Melbourne, Australia, I W a Publishing.

Nezan, E., G. Piclet and H. Grossel (1997). Guide pratique à l'usage des analystes du Réseau National de Surveillance du phytoplancton, Ifremer.

Ni, L. X., X. T. Jie, P. F. Wang, S. Y. Li, G. X. Wang, Y. P. Li, Y. Li and K. Acharya (2015). "Effect of linoleic acid sustained-release microspheres on *Microcystis aeruginosa* antioxidant enzymes activity and microcystins production and release." Chemosphere **121**: 110-116.

Nicholson, B. C., G. R. Shaw, J. Morrall, P. J. Senogles, T. A. Woods, J. Papageorgiou, C. Kapralos, W. Wickramasinghe, B. C. Davis, G. K. Eaglesham and M. R. Moore (2003). "Chlorination for degrading saxitoxins (paralytic shellfish poisons) in water." Environmental Technology **24**(11): 1341-1348.

Nicholson, G. M., M. J. Little, M. Tyler and T. Narahashi (1996). "Selective alteration of sodium channel gating by Australian funnel-web spider toxins." Toxicon **34**(11-12): 1443-1453.

Nielsen, L. T., P. J. Hansen, B. Krock and B. Vismann (2016). "Accumulation, transformation and breakdown of DSP toxins from the toxic dinoflagellate *Dinophysis acuta* in blue mussels, *Mytilus edulis*." Toxicon **117**: 84-93.

Nijjar, M. S., P. M. Mackenzie and J. A. Brown (1992). "A PROCEDURE FOR LARGE-SCALE PURIFICATION OF DOMOIC ACID FROM TOXIC BLUE MUSSELS (MYTILUS-EDULIS)." Molecular and Cellular Biochemistry **115**(2): 213-217.

Nisenbaum, E. S., Z. C. Xu and C. J. Wilson (1994). "CONTRIBUTION OF A SLOWLY INACTIVATING POTASSIUM CURRENT TO THE TRANSITION TO FIRING OF NEOSTRIATAL SPINY PROJECTION NEURONS." Journal of Neurophysiology **71**(3): 1174-1189.

Nisol, B., S. Watson, Y. Leblanc, S. Moradinejad, M. R. Wertheimer and A. Zamyadi (2019). "Cold plasma oxidation of harmful algae and associated metabolite BMAA toxin in aqueous suspension." Plasma Processes and Polymers **16**(2): 6.

Notch, E. G., D. M. Miniutti, J. P. Berry and G. D. Mayer (2011). "Cyanobacterial LPS Potentiates Cadmium Toxicity in Zebrafish (*Danio rerio*) Embryos." Environmental Toxicology **26**(5): 498-505.

Novaczek, I., M. S. Madhyastha, R. F. Ablett, A. Donald, G. Johnson, M. S. Nijjar and D. E. Sims (1992). "DEPURATION OF DOMOIC ACID FROM LIVE BLUE MUSSELS (MYTILUS-EDULIS)." Canadian Journal of Fisheries and Aquatic Sciences **49**(2): 312-318.

Novaczek, I., M. S. Madhyastha, R. F. Ablett, G. Johnson, M. S. Nijjar and D. E. Sims (1991). "UPTAKE, DISPOSITION AND DEPURATION OF DOMOIC ACID BY BLUE MUSSELS (MYTILUS-EDULIS)." Aquatic Toxicology **21**(1-2): 103-118.

Noyma, N. P., L. de Magalhaes, M. Miranda, M. Mucci, F. van Oosterhout, V. L. M. Huszar, M. M. Marinho, E. R. A. Lima and M. Lurling (2017). "Coagulant plus ballast technique provides a rapid mitigation of cyanobacterial nuisance." Plos One **12**(6): 16.

Nzoughet, J. K., J. T. G. Hamilton, C. H. Botting, A. Douglas, L. Devine, J. Nelson and C. T. Elliott (2009). "Proteomics Identification of Azaspiracid Toxin Biomarkers in Blue Mussels, *Mytilus edulis*." *Molecular & Cellular Proteomics* **8**(8): 1811-1822.

Oba, Y., Y. Shimasaki, Y. Shima, H. Satone, T. Kitano, M. Nakao, S. Kawabata and T. Honjo (2007). "Purification and characterization of tributyltin-binding protein type 2 from plasma of Japanese flounder, *Paralichthys olivaceus*." *Journal of Biochemistry* **142**(2): 229-238.

Obermeyer, G., F. Armstrong and M. R. Blatt (1994). "SELECTIVE BLOCK BY ALPHA-DENDROTOXIN OF THE K<sup>+</sup> INWARD RECTIFIER AT THE VICIA GUARD-CELL PLASMA-MEMBRANE." *Journal of Membrane Biology* **137**(3): 249-259.

O'Brien, L. M., C. G. McAloon, L. D. Stewart, S. A. J. Strain and I. R. Grant (2018). "Diagnostic potential of the peptide-mediated magnetic separation (PMS)-phage assay and PMS-culture to detect *Mycobacterium avium* subsp *paratuberculosis* in bovine milk samples." *Transboundary and Emerging Diseases* **65**(3): 719-726.

Oesch-Bartlomowicz, B. and F. Oesch (2004). "Modulation of mutagenicity by phosphorylation of mutagen-metabolizing enzymes." *Archives of Biochemistry and Biophysics* **423**(1): 31-36.

Ojha, T., Q. Z. Hu, C. Colombo, J. Wit, M. van Geijn, M. J. van Steenbergen, M. Bagheri, H. Konigs-Werner, E. M. Buhl, R. Bansal, Y. Shi, W. E. Hennink, G. Storm, C. J. F. Rijcken and T. Lammers (2021). "Lyophilization stabilizes clinical-stage core-crosslinked polymeric micelles to overcome cold chain supply challenges." *Biotechnology Journal* **16**(6): 11.

Okutan, O., O. F. Turkoglu, H. B. Gok and E. Beskonakli (2008). "Neuroprotective effect of erythropoietin after experimental cold injury-induced vasogenic brain edema in rats." *Surgical Neurology* **70**(5): 498-502.

Okyem, S., O. Awotunde, T. Ogunlusi, M. B. Riley and J. D. Driskell (2021). "High-Affinity Points of Interaction on Antibody Allow Synthesis of Stable and Highly Functional Antibody-Gold Nanoparticle Conjugates." *Bioconjugate Chemistry* **32**(8): 1753-1762.

Olchawa-Pajor, M., M. Bojko, W. Strzalka, K. Strzalka and D. Latowski (2019). "Violaxanthin conversion by recombinant diatom and plant de-epoxidases, expressed in *Escherichia coli* - a comparative analysis." *Acta Biochimica Polonica* **66**(3): 249-255.

Oliveira, F., L. Diez-Quijada, M. V. Turkina, J. Morais, A. B. Felpeto, J. Azevedo, A. Jos, A. M. Camean, V. Vasconcelos, J. C. Martins and A. Campos (2020). "Physiological and Metabolic Responses of Marine Mussels Exposed to Toxic Cyanobacteria *Microcystis aeruginosa* and *Chrysosporum ovalisporum*." *Toxins* **12**(3): 24.

Oliver, S. L. and H. Ribeiro (2020). "Zika virus syndrome, lack of environmental policies and risks of worsening by cyanobacteria proliferation in a climate change scenario." *Revista De Saude Publica* **54**: 4.

Omar, R., Z. Ibrahim, Z. Zahid, E. Ismail, I. Hisham, S. I. Omar and S. Mustafar (2017). "Algae Disintegration in Raw Water at Semerong Barat Dam Johor Malaysia Using Sonification Wave." *Research Journal of Pharmaceutical Biological and Chemical Sciences* **8**(1): 1931-+.

Omokheyeyeke, O., F. Sikoki, H. Dienye and E. Kika (2021). "Preliminary survey of harmful algal species in the Bonny Estuary, Niger delta, Nigeria." Research in Marine Sciences **6**(1): 869-882.

O'Neil, R. A., D. E. Holmes, M. V. Coppi, L. A. Adams, M. J. Larrahondo, J. E. Ward, K. P. Nevin, T. L. Woodard, H. A. Vrionis, A. L. N'Guessan and D. R. Lovley (2008). "Gene transcript analysis of assimilatory iron limitation in Geobacteraceae during groundwater bioremediation." Environmental Microbiology **10**(5): 1218-1230.

Ono, K., M. Arita and H. Fozzard (1995). "L-TYPE CALCIUM-CHANNEL KINETICS AFTER MODULATION OF PHOSPHORYLATION DEPHOSPHORYLATION ACTIVITY." Heart and Vessels: 61-64.

Ono, K. and H. A. Fozzard (1993). "2 PHOSPHATASE SITES ON THE CA<sub>2+</sub> CHANNEL AFFECTING DIFFERENT KINETIC FUNCTIONS." Journal of Physiology-London **470**: 73-84.

Onoda, K. and H. L. Yin (1993). "GCAP39 IS PHOSPHORYLATED - STIMULATION BY OKADAIC ACID AND PREFERENTIAL ASSOCIATION WITH NUCLEI." Journal of Biological Chemistry **268**(6): 4106-4112.

Orr, P. T., G. J. Jones and G. R. Hamilton (2004). "Removal of saxitoxins from drinking water by granular activated carbon, ozone and hydrogen peroxide - implications for compliance with the Australian drinking water guidelines." Water Research **38**(20): 4455-4461.

Orr, P. T., J. P. Rasmussen, M. A. Burford, G. K. Eaglesham and S. M. Lennox (2010). "Evaluation of quantitative real-time PCR to characterise spatial and temporal variations in cyanobacteria, *Cylindrospermopsis raciborskii* (Woloszynska) Seenaya et Subba Raju and cylindrospermopsin concentrations in three subtropical Australian reservoirs." Harmful Algae **9**(3): 243-254.

Orr, P. T., A. Willis and M. A. Burford (2018). "Application of first order rate kinetics to explain changes in bloom toxicity-the importance of understanding cell toxin quotas." Journal of Oceanology and Limnology **36**(4): 1063-1074.

Ortiz, A., J. M. Navarro, G. Pizarro, P. A. Villanueva and C. J. Segura (2019). "Accumulation and biotransformation dynamics of the neurotoxic complex, saxitoxin, in different life stages of *Ostrea chilensis*." Marine Environmental Research **144**: 240-245.

Ortiz, L., B. Nakamura, X. Li, B. Blumberg and U. Luderer (2013). "In utero exposure to benzo a pyrene increases adiposity and causes hepatic steatosis in female mice, and glutathione deficiency is protective." Toxicology Letters **223**(2): 260-267.

Ortiz, L., B. Nakamura, X. Li, B. Blumberg and U. Luderer (2014). "Reprint of "In utero exposure to benzo a pyrene increases adiposity and causes hepatic steatosis in female mice, and glutathione deficiency is protective." Toxicology Letters **230**(2): 314-321.

Othman, A., P. Vargo and S. Andreescu (2019). "Recyclable Adsorbents Based on Ceria Nanostructures on Mesoporous Silica Beads for the Removal and Recovery of Phosphate from Eutrophic Waters." Acs Applied Nano Materials **2**(11): 7008-7018.

Ouadid-Ahidouch, H., F. Chaussade, M. Roudbaraki, C. Slomianny, E. Dewailly, P. Delcourt and N. Prevarskaya (2000). "KV1.1 K<sup>+</sup> channels identification in human breast carcinoma cells: Involvement in cell proliferation." Biochemical and Biophysical Research Communications **278**(2): 272-277.

Oudra, B., M. El Andaloussi, S. Franca, P. Barros, R. Martins, K. Oufdou, B. Sbiyyaa, M. Loudiki, N. Mezrioui and V. Vasconcelos (2000). "Harmful cyanobacterial toxic blooms in waste stabilization ponds." Water Science and Technology **42**(10-11): 179-186.

Owen, D. G., A. Hall, G. Stephens, J. Stow and B. Robertson (1997). "The relative potencies of dendrotoxins as blockers of the cloned voltage-gated K<sup>+</sup> channel, mKv1.1 (MK-1), when stably expressed in Chinese hamster ovary cells." British Journal of Pharmacology **120**(6): 1029-1034.

Painefilu, J. C., V. A. Bianchi, B. Krock, J. S. De Anna, G. Kristoff and C. M. Luquet (2020). "Effects of paralytic shellfish toxins on the middle intestine of *Oncorhynchus mykiss*: Glutathione metabolism, oxidative status, lysosomal function and ATP-binding cassette class C (ABCC) proteins activity." Ecotoxicology and Environmental Safety **204**: 10.

Pal, A., Y. L. He, M. Jekel, M. Reinhard and K. Y. H. Gin (2014). "Emerging contaminants of public health significance as water quality indicator compounds in the urban water cycle." Environment International **71**: 46-62.

Pal, M., S. Pal, A. Qureshi and L. N. Sangolkar (2018). "Perspective of cyanobacterial harmful algal bloom (HAB) mitigation: *Microcystis* toxin degradation by bacterial consortia." Indian Journal of Experimental Biology **56**(7): 511-518.

Pal, M., H. J. Purohit and A. Qureshi (2021). "Genomic insight for algicidal activity in *Rhizobium* strain AQ\_MP." Archives of Microbiology **203**(8): 5193-5203.

Palagama, D. S. W., A. M. Devasurendra, D. Baliu-Rodriguez, J. R. Kirchhoff and D. Isailovic (2019). "Treated rice husk as a recyclable sorbent for the removal of microcystins from water." Science of the Total Environment **666**: 1292-1300.

Palikova, M., R. Krejci, K. Hilscherova, B. Buryskova, P. Babica, S. Navratil, R. Kopp and L. Blaha (2007). "Effects of different oxygen saturation on activity of complex biomass and aqueous crude extract of cyanobacteria during embryonal development in carp (*Cyprinus carpio* L.)." Acta Veterinaria Brno **76**(2): 291-299.

Pan, L., J. H. Chen, X. P. He, T. R. Zhan and H. H. Shen (2020). "Aqueous photodegradation of okadaic acid and dinophysistoxin-1: Persistence, kinetics, photoproducts, pathways, and toxicity evaluation." Science of the Total Environment **743**: 10.

Pan, M. M., T. Lyu, L. M. Zhan, V. Matamoros, I. Angelidaki, M. Cooper and G. Pan (2021). "Mitigating antibiotic pollution using cyanobacteria: Removal efficiency, pathways and metabolism." Water Research **190**: 10.

Pan, Y. L., D. V. S. Rao, K. H. Mann, R. G. Brown and R. Pocklington (1996). "Effects of silicate limitation on production of domoic acid, a neurotoxin, by the diatom *Pseudo-nitzschia multiseries*. 1. Batch culture studies." Marine Ecology Progress Series **131**(1-3): 225-233.

Pan, Y. M., Y. L. Zhang, N. Liu, W. Y. Lu, J. X. Yang, Y. Li, Z. W. Liu, Y. H. Wei, Y. Lou and J. Kong (2021). "Vitamin D Attenuates Alzheimer-like Pathology Induced by Okadaic Acid." Acs Chemical Neuroscience **12**(8): 1343-1350.

Panahi, F. H., S. J. Peighambardoust, S. Davaran and R. Salehi (2017). "Development and characterization of PLA-mPEG copolymer containing iron nanoparticle-coated carbon nanotubes for controlled delivery of Docetaxel." Polymer **117**: 117-131.

Pandhal, J., A. Siswanto, D. Kuvshinov, W. B. Zimmerman, L. Lawton and C. Edwards (2018). "Cell Lysis and Detoxification of Cyanotoxins Using a Novel Combination of Microbubble Generation and Plasma Microreactor Technology for Ozonation." Frontiers in Microbiology **9**: 11.

Pandya, P. K., S. C. Huang, V. D. Talkad, S. A. Wank and J. D. Gardner (1994). "BIOCHEMICAL REGULATION OF THE 3 DIFFERENT STATES OF THE CHOLECYSTOKININ (CCK) RECEPTOR IN PANCREATIC ACINI." Biochimica Et Biophysica Acta-Molecular Cell Research **1224**(1): 117-126.

Pani, P. P., A. G. I. Maremmani, E. Trogu, F. Vigna-Taglianti, F. Mathis, R. Diecidue, U. Kirchmayer, L. Amato, M. Davoli, J. Ghilaudi, A. Campaneraga, A. Saponaro, F. Faggiano and I. Maremmani (2015). "Psychopathological symptoms in detoxified and non-detoxified heroin-dependent patients entering residential treatment." Heroin Addiction and Related Clinical Problems **17**(2-3): 17-23.

Panosso, R. and M. Lurling (2010). "Daphnia magna feeding on Cylindrospermopsis raciborskii: the role of food composition, filament length and body size." Journal of Plankton Research **32**(10): 1393-1404.

Pantopoulos, K. and M. W. Hentze (1995). "RAPID RESPONSES TO OXIDATIVE STRESS MEDIATED BY IRON REGULATORY PROTEIN." Embo Journal **14**(12): 2917-2924.

Panyi, G. and C. Deutsch (1996). "Assembly and suppression of endogenous Kv1.3 channels in human T cells." Journal of General Physiology **107**(3): 409-420.

Papadimitriou, T., K. Kormas, D. D. Dionysiou and C. Laspidou (2016). "Using H<sub>2</sub>O<sub>2</sub> treatments for the degradation of cyanobacteria and microcystins in a shallow hypertrophic reservoir." Environmental Science and Pollution Research **23**(21): 21523-21535.

Papiol, G. G., A. Casanova, M. Fernandez-Tejedor, P. de la Iglesia and J. Diogene (2013). "Management of domoic acid monitoring in shellfish from the Catalan coast." Environmental Monitoring and Assessment **185**(8): 6653-6666.

Paramio, J. M. (1999). "A role for phosphorylation in the dynamics of keratin intermediate filaments." European Journal of Cell Biology **78**(1): 33-43.

Pardo, S., P. Hess, E. Simon, L. Barille, E. Geslin, B. Cognie, V. Martin-Jezequel, V. Sechet, C. Herrenknecht, R. Baron, P. Bourseau, Z. Amzil, A. Masse, L. Vandanan, J. Dumay, T. Lebeau, V. Turpin, F. Mondeguer, P. Petitgas, B. Trouillet, D. Mercier, P. Guillotreau, T. Guineberteau, S. Mahevas and F. Schoefs (2017). COSELMAR. Compréhension des socio-écosystèmes littoraux et marins pour la prévention et la gestion des risques. Bilan scientifique 2013-2017.

Park, D. L. (1995). "DETECTION OF CIGUATERA AND DIARRHEIC SHELLFISH TOXINS IN FINFISH AND SHELLFISH WITH CIGUATECT KIT." Journal of Aoac International **78**(2): 533-537.

Park, D. L. (1995). "SURVEILLANCE PROGRAMS FOR MANAGING RISKS FROM NATURALLY-OCCURRING TOXICANTS." Food Additives and Contaminants **12**(3): 361-371.

Parker, J. C., G. C. Colclasure and T. J. McManus (1991). "COORDINATED REGULATION OF SHRINKAGE-INDUCED NA/H EXCHANGE AND SWELLING-INDUCED K-CL COTRANSPORT IN DOG RED-CELLS - FURTHER EVIDENCE FROM ACTIVATION KINETICS AND PHOSPHATASE INHIBITION." Journal of General Physiology **98**(5): 869-880.

Parker, K. M. and W. A. Mitch (2016). "Halogen radicals contribute to photooxidation in coastal and estuarine waters." Proceedings of the National Academy of Sciences of the United States of America **113**(21): 5868-5873.

Parsons, S. P. and J. D. Huizinga (2013). "Statistical Assessment of Change Point Detectors for Single Molecule Kinetic Analysis." Journal of Membrane Biology **246**(5): 407-420.

Pasqualini, C., B. Guibert and V. Leviel (1993). "SHORT-TERM INHIBITORY EFFECT OF ESTRADIOL ON TYROSINE-HYDROXYLASE ACTIVITY IN TUBEROINFUNDIBULAR DOPAMINERGIC-NEURONS INVITRO." Journal of Neurochemistry **60**(5): 1707-1713.

Paszti-Gere, E. and J. Jakus (2013). "Protein Phosphatases but not Reactive Oxygen Species Play Functional Role in Acute Amphetamine-Mediated Dopamine Release." Cell Biochemistry and Biophysics **66**(3): 831-841.

Patel, H. R. and E. W. Gelfand (1996). "DNA-binding phosphoproteins induced after T cell activation: Effects of cyclosporin A." Cellular Signalling **8**(4): 253-261.

Patterson, D. S. P. (1977). "METABOLIC ACTIVATION AND DETOXIFICATION OF MYCOTOXINS." Annales De La Nutrition Et De L Alimentation **31**(4-6): 901-910.

Pavagadhi, S., Z. Y. Gong, M. P. Hande, D. D. Dionysiou, A. A. de la Cruz and R. Balasubramanian (2012). "Biochemical response of diverse organs in adult Danio rerio (zebrafish) exposed to sub-lethal concentrations of microcystin-LR and microcystin-RR: A balneation study." Aquatic Toxicology **109**: 1-10.

Pavagadhi, S., A. L. L. Tang, M. Sathishkumar, K. P. Loh and R. Balasubramanian (2013). "Removal of microcystin-LR and microcystin-RR by graphene oxide: Adsorption and kinetic experiments." Water Research **47**(13): 4621-4629.

Pavela-Vrancic, M., I. Ujevic, Z. N. Gladan and A. Furey (2006). "Accumulation of phycotoxins in the mussel *Mytilus galloprovincialis* from the central Adriatic Sea." Croatica Chemica Acta **79**(2): 291-297.

Pawar, H., S. K. Surapaneni, K. Tikoo, C. Singh, R. Burman, M. S. Gill and S. Suresh (2016). "Folic acid functionalized long-circulating co-encapsulated docetaxel and curcumin solid lipid nanoparticles: In vitro evaluation, pharmacokinetic and biodistribution in rats." Drug Delivery **23**(4): 1453-1468.

Pazos, A. J., P. Ventoso, R. Martinez-Escauriaza, M. L. Perez-Paralle, J. Blanco, J. C. Trivino and J. L. Sanchez (2017). "Transcriptional response after exposure to domoic acid-producing Pseudo-nitzschia in the digestive gland of the mussel *Mytilus galloprovincialis*." Toxicon **140**: 60-71.

Peiper, U. and J. Dee (1994). "SMOOTH-MUSCLE CONTRACTION KINETICS AT DIFFERENT CALCIUM CONCENTRATIONS." Canadian Journal of Physiology and Pharmacology **72**(11): 1338-1344.

Pelin, M., J. Kilcoyne, C. Florio, P. Hess, A. Tubaro and S. Sosa (2019). "Azaspiracids Increase Mitochondrial Dehydrogenases Activity in Hepatocytes: Involvement of Potassium and Chloride Ions." Marine Drugs **17**(5).

Pelin, M., J. Kilcoyne, C. Nulty, S. Crain, P. Hess, A. Tubaro and S. Sosa (2018). "Toxic equivalency factors (TEFs) after acute oral exposure of azaspiracid 1, -2 and -3 in mice." Toxicology Letters **282**: 136-146.

Pena-Llopis, S., R. Serrano, E. Pitarch, E. Beltran, M. Ibanez, F. Hernandez and J. B. Pena (2014). "N-Acetylcysteine boosts xenobiotic detoxification in shellfish." Aquatic Toxicology **154**: 131-140.

Peng, H., T. Kim and J. Vaughan (2020). "Acid Leaching of Desilication Products: Implications for Acid Neutralization of Bauxite Residue." Industrial & Engineering Chemistry Research **59**(17): 8174-8182.

Peng, H., D. Seneviratne and J. Vaughan (2018). "Role of the Amorphous Phase during Sodium Aluminosilicate Precipitation." Industrial & Engineering Chemistry Research **57**(5): 1408-1416.

Peng, H. and J. Vaughan (2018). "Aluminate effect on desilication product phase transformation." Journal of Crystal Growth **492**: 84-91.

Peng, L., Q. H. Tang, J. G. Gu, L. M. Lei, W. Chen and L. R. Song (2020). "Seasonal variation of microcystins and their accumulation in fish in two large shallow lakes of China." Ecotoxicology **29**(6): 790-800.

Peng, Z. Y., W. Wang, S. E. Wilson, K. K. Schlender, R. J. Trumbly and E. M. Reimann (1991). "IDENTIFICATION OF A GLYCOGEN-SYNTHASE PHOSPHATASE FROM YEAST SACCHAROMYCES-CEREVISIAE AS PROTEIN PHOSPHATASE-2A." Journal of Biological Chemistry **266**(17): 10925-10932.

Pennella, M. A. and D. P. Giedroc (2005). "Structural determinants of metal selectivity in prokaryotic metal-responsive transcriptional regulators." Biometals **18**(4): 413-428.

Penven, A., R. Baron, M. Etienne, C. Delannoy and J.-P. Berge (2017). Utilisation des sous-produits de la pêche et de l'aquaculture pour l'alimentation en aquaculture, UICN.

Penzotti, J. L., H. A. Fozzard, G. M. Lipkind and S. C. Dudley (1998). "Differences in saxitoxin and tetrodotoxin binding revealed by mutagenesis of the Na<sup>+</sup> channel outer vestibule." Biophysical Journal **75**(6): 2647-2657.

Penzotti, J. L., G. Lipkind, H. A. Fozzard and S. C. Dudley (2001). "Specific neosaxitoxin interactions with the Na<sup>+</sup> channel outer vestibule determined by mutant cycle analysis." Biophysical Journal **80**(2): 698-706.

Pereira, P., E. Dias, S. Franca, E. Pereira, M. Carolino and V. Vasconcelos (2004). "Accumulation and depuration of cyanobacterial paralytic shellfish toxins by the freshwater mussel *Anodonta cygnea*." Aquatic Toxicology **68**(4): 339-350.

Pereira, S. P., F. D. Martins, L. N. L. Gomes, M. D. Sales and V. L. De Padua (2012). "Removal of cyanobacteria by slow sand filtration for drinking water." Journal of Water Sanitation and Hygiene for Development **2**(3): 133-145.

Perez, J. L. and T. H. Chu (2020). "Effect of Zinc on *Microcystis aeruginosa* UTEX LB 2385 and Its Toxin Production." *Toxins* **12**(2): 17.

Perez, R. A., N. Rehmann, S. Crain, P. Leblanc, C. Craft, S. Mackinnon, K. Reeves, I. W. Burton, J. A. Walter, P. Hess, M. A. Quilliam and J. E. Melanson (2010). "The preparation of certified calibration solutions for azaspiracid-1,-2, and-3, potent marine biotoxins found in shellfish." *Analytical And Bioanalytical Chemistry* **398**(5): 2243-2252.

Perez-Carrascal, O. M., Y. Terrat, A. Giani, N. Fortin, C. W. Greer, N. Tromas and B. J. Shapiro (2019). "Coherence of *Microcystis* species revealed through population genomics." *Isme Journal* **13**(12): 2887-2900.

Perry, M. A., C. L. Ryan and R. A. Tasker (2009). "Effects of low dose neonatal domoic acid administration on behavioural and physiological response to mild stress in adult rats." *Physiology & Behavior* **98**(1-2): 53-59.

Persson, A., B. C. Smith, J. H. Alix, C. Senft-Batoh and G. H. Wikfors (2012). "Toxin content differs between life stages of *Alexandrium fundyense* (Dinophyceae)." *Harmful Algae* **19**: 101-107.

Pestana, C. J., P. Hobson, P. K. J. Robertson, L. A. Lawton and G. Newcombe (2020). "Removal of microcystins from a waste stabilisation lagoon: Evaluation of a packed-bed continuous flow TiO<sub>2</sub> reactor." *Chemosphere* **245**: 8.

Peter, C., B. Krock and A. Cembella (2018). "Effects of salinity variation on growth and yessotoxin composition in the marine dinoflagellate *Lingulodinium polyedra* from a Skagerrak fjord system (western Sweden)." *Harmful Algae* **78**: 9-17.

Peters, M. A., D. C. Jackson, B. S. Crabb and G. F. Browning (2002). "Chicken anemia virus VP2 is a novel dual specificity protein phosphatase." *Journal of Biological Chemistry* **277**(42): 39566-39573.

Peteva, Z., M. Stancheva, S. Georgieva, A. Gerasimova and L. Makedonski (2018). PHYCOTOXIN PROFILE OF PLANKTON NET AND SHELLFISH SAMPLES FROM BULGARIAN BLACK SEA SOUTH COAST: A CASE STUDY. 4th International Conference on Water Resources and Wetlands, Tulcea, ROMANIA, Romanian Limnogeographical Assoc.

Petronille, R., D. Bernard, L. Guillaume, V. Victoire, F. Thomas, C. Jerome, D. Eloise, P. Gerard, S. Sylvie, S. Audrey, L. Francois, D. Suzette, P. Muriel and A. Maxime (2020). "Comparative analysis of docetaxel: physical and chemical characterisation of Taxotere (R) and generics." *European Journal of Cancer* **135**: 183-191.

Petrucci, E., L. Di Palma, E. De Luca and G. Massini (2013). "Biocides electrogeneration for a zero-reagent on board disinfection of ballast water." *Journal of Applied Electrochemistry* **43**(2): 237-244.

Petrunkina, A. M., R. A. P. Harrison, M. Tsolova, E. Jebe and E. Topfer-Petersen (2007). "Signalling pathways involved in the control of sperm cell volume." *Reproduction* **133**(1): 61-73.

Pezza, J. A., J. D. Stopa, E. M. Brunyak, K. N. Allen and D. R. Tolan (2007). "Thermodynamic analysis shows conformational coupling and dynamics confer substrate specificity in fructose-1,6-bisphosphate aldolase." *Biochemistry* **46**(45): 13010-13018.

Pfister, D., E. Bourgeaux and M. Morbidelli (2015). "Kinetic modeling of protein PEGylation." Chemical Engineering Science **137**: 816-827.

Pfizer, G., J. D. Strauss and J. C. Ruegg (1992). "MODULATION OF MYOSIN PHOSPHORYLATION-CONTRACTION COUPLING IN SKINNED SMOOTH-MUSCLE." Japanese Journal of Pharmacology **58**: P23-P28.

Piclet, G. (1987). "Le poisson aliment : composition, intérêt nutritionnel." Cahiers de nutrition et de diététique **XXII**(4): 317-336.

Piclet, G. and P. Le Mao (1992). Qualité sanitaire des coquillages après passage en bassin insubmersible aérien. 2. Conference Internationale sur la Purification des Coquillages, Rennes (France), 6-8 Apr 1992.

Piclet, G., P. Monfort, G. Bilien, S. Boulben, J.-C. Le Saux and P. Raguenes (1998). Classement des zones de production conchylicole du Finistère - Etude de zone : Baie de Lanveur.

Piclet, G., P. Monfort, G. Bilien, S. Boulben and P. Raguenes (1998). Classement des zones de production conchylicole du Finistère - Etude du site de la Baie de Douarnenez (29-30).

Piclet, G., P. Monfort, S. Boulben, G. Le Naour, J.-C. Le Saux and P. Raguenes (1994). Salubrité des zones conchyliques de la rade de Brest (1988 - 1993).

Piclet, G., P. Monfort, P. Raguenes, G. Bilien and S. Boulben (1999). Contrat de rivière Odet - Steir - Jet.

Piclet, G., E. Nezan and D. Le Gal (2005). Coopération franco-marocaine INRH-IFREMER. Compte-rendu de mission au Maroc du 10 au 14 et du 17 au 21 janvier 2005.

Pierre, M.-J. and P. Lassus (1983). "Dinoflagelles toxiques sur les côtes françaises pendant l'été 1983. Perturbations des écosystèmes en baie de Vilaine. Analyse des successions phytoplanctoniques précédant l'apparition d'un dinoflagelle toxique." Revue des Travaux de l'Institut des Pêches Maritimes **47**(3-4): 134-148.

Pigatto, R. S., D. S. P. Franco, M. S. Netto, E. Carissimi, L. F. S. Oliveira, S. L. Jahn and G. L. Dotto (2020). "An eco-friendly and low-cost strategy for groundwater defluorination: Adsorption of fluoride onto calcinated sludge." Journal of Environmental Chemical Engineering **8**(6): 10.

Pindihama, G. K., J. R. Gumbo and P. J. Oberholster (2011). "Evaluation of a low cost technology to manage algal toxins in rural water supplies." African Journal of Biotechnology **10**(86): 19883-19889.

Pino-Querido, A., J. M. Alvarez-Castro, J. Guerra-Varela, M. A. Toro, M. Vera, B. G. Pardo, J. Fuentes, J. Blanco and P. Martinez (2015). "Heritability estimation for okadaic acid algal toxin accumulation, mantle color and growth traits in Mediterranean mussel (*Mytilus galloprovincialis*)."Aquaculture **440**: 32-39.

Pires, L. M. D., D. Sarpe, M. Brehm and B. W. Ibelings (2011). "Potential synergistic effects of microcystins and bacterial lipopolysaccharides on life history traits of *Daphnia galeata* raised on low and high food levels." Aquatic Toxicology **104**(3-4): 230-242.

Pirog, T., A. Sofilkanych, T. Shevchuk and M. Shulyakova (2013). "Biosurfactants of Rhodococcus erythropolis IMV DN-5017: Synthesis Intensification and Practical Application." Applied Biochemistry and Biotechnology **170**(4): 880-894.

Pisano, P., D. Samuel, A. Nieoullon and L. KerkerianLeGoff (1996). "Activation of the adenylate cyclase-dependent protein kinase pathway increases high affinity glutamate uptake into rat striatal synaptosomes." Neuropharmacology **35**(5): 541-547.

Pisapia, F., W. C. Holland, D. R. Hardison, R. W. Litaker, S. Fraga, T. Nishimura, M. Adachi, V. Sechet, Z. Amzil, C. Herrenknecht and P. Hess (2017). "Toxicity screening of 13 Gambierdiscus strains using neuro-2a and erythrocyte lysis bioassays." Harmful Algae **63**: 173-183.

Pisapia, F., M. Sibat, C. Herrenknecht, K. Lhaute, G. Gaiani, P.-J. Ferron, V. Fessard, S. Fraga, S. M. Nascimento, R. W. Litaker, W. C. Holland, C. Roullier and P. Hess (2017). "Maitotoxin-4, a Novel MTX Analog Produced by Gambierdiscus excentricus." Marine Drugs **15**(7).

Pisapia, F., M. Sibat, R. Watanabe, C. Roullier, T. Suzuki, P. Hess and C. Herrenknecht (2020). "Characterization of maitotoxin-4 (MTX4) using electrospray positive mode ionization high-resolution mass spectrometry and UV spectroscopy." Rapid Communications In Mass Spectrometry **34**(19).

Pitcher, G. C., J. M. Franco, G. J. Doucette, C. L. Powell and A. Mouton (2001). "Paralytic shellfish poisoning in the abalone Haliotis midae on the west coast of South Africa." Journal of Shellfish Research **20**(2): 895-904.

Pivokonsky, M., I. Kopecka, L. Cermakova, K. Fialova, K. Novotna, T. Cajthaml, R. K. Henderson and L. Pivokonska (2021). "Current knowledge in the field of algal organic matter adsorption onto activated carbon in drinking water treatment." Science of the Total Environment **799**: 19.

Piwowarski, T., F. Panofen and G. Jeserich (2004). "Molecular cloning and partial functional characterization of Tsha3 - a novel modulatory potassium channel alpha-subunit of trout CNS." Molecular Brain Research **124**(2): 124-133.

Pizarro, G., A. Morono, B. Paz, J. M. Franco, Y. Pazos and B. Reguera (2013). "Evaluation of Passive Samplers as a Monitoring Tool for Early Warning of Dinophysis Toxins in Shellfish." Marine Drugs **11**(10): 3823-3845.

Plakas, S. M., Z. H. Wang, K. R. El Said, E. L. E. Jester, H. R. Granade, L. Flewelling, P. Scott and R. W. Dickey (2004). "Brevetoxin metabolism and elimination in the Eastern oyster (*Crassostrea virginica*) after controlled exposures to *Karenia brevis*." Toxicon **44**(6): 677-685.

Plantier, S., J. B. Castaing, N. E. Sabiri, A. Massé, P. Jaouen and M. Pontié (2013). "Performance of a sand filter in removal of algal bloom for SWRO pre-treatment." Desalination and Water Treatment **51**(7-9): 1838-1846.

Plusquellec, A., P. Monfort, G. Piclet and L. Rio (1998). "Listeria innocua and Salmonella panama in mussels: A comparative study." Journal Of Food Protection **61**(9): 1137-1142.

Poletti, R., R. Viviani, C. Casadei, L. Lucentini, L. Giannett, E. Funari and R. Draisci (1995). Decontamination dynamics of mussels naturally contaminated with diarrhetic toxins relocated to a basin of the Adriatic Sea. Harmful and toxic algal blooms., Sendai, Japan, IOC of UNESCO.

Pontremoli, R., G. Zerbini, A. Rivera and M. Canessa (1994). "INSULIN ACTIVATION OF RED-BLOOD-CELL NA+/H+ EXCHANGE DECREASES THE AFFINITY OF SODIUM SITES." Kidney International **46**(2): 365-375.

Pooja, D., H. Kulhari, M. K. Singh, S. Mukherjee, S. S. Rachamalla and R. Sistla (2014). "Dendrimer-TPGS mixed micelles for enhanced solubility and cellular toxicity of taxanes." Colloids and Surfaces B-Biointerfaces **121**: 461-468.

Pouil, S., R. J. Clausing, M. Metian, P. Bustamante and M. Y. D. Bottein (2018). "The role of marine biotoxins on the trophic transfer of Mn and Zn in fish." Aquatic Toxicology **198**: 198-205.

Pouil, S., R. J. Clausing, M. Metian, P. Bustamante and M. Y. Dechraoui-Bottein (2018). "A study of the influence of brevetoxin exposure on trace element bioaccumulation in the blue mussel *Mytilus edulis*." Journal of Environmental Radioactivity **192**: 250-256.

Poulin, F., R. Jacquemart, G. De Crescenzo, M. Jolicoeur and R. Legros (2008). "A study of the interaction of HEK-293 cells with streamline chelating adsorbent in expanded bed operation." Biotechnology Progress **24**(1): 279-282.

Pousse, E., J. Flye-Sainte-Marie, M. Alunno-Bruscia, H. Hegaret and F. Jean (2018). "Sources of paralytic shellfish toxin accumulation variability in the Pacific oyster *Crassostrea gigas*." Toxicon **144**: 14-22.

Pousse, E., J. Flye-Sainte-Marie, M. Alunno-Bruscia, H. Hegaret, E. Rannou, L. Pecquerie, G. M. Marques, Y. Thomas, J. Castrec, C. Fabiouix, M. Long, M. Lassudrie, L. Hermabessiere, Z. Amzil, P. Soudant and F. Jean (2019). "Modelling paralytic shellfish toxins (PST) accumulation in *Crassostrea gigas* by using Dynamic Energy Budgets (DEB)." Journal of Sea Research **143**: 152-164.

Poyer, S., C. Loutelier-Bourhis, G. Coadou, F. Mondeguer, J. Enche, A. Bossee, P. Hess and C. Afonso (2015). "Identification and separation of saxitoxins using hydrophilic interaction liquid chromatography coupled to traveling wave ion mobility-mass spectrometry." Journal Of Mass Spectrometry **50**(1): 175-181.

Poyer, S., C. Loutelier-Bourhis, F. Mondeguer, G. Coadou, M. Hubert-Roux, J. Enche, A. Bossee, P. Hess and C. Afonso (2013). Identification of paralytic shellfish poisons using liquid chromatography ion mobility - high resolution mass spectrometry. EuPA conference (EUropean Proteome Association) - Saint Malo (FRANCE), October 14-17, 2013.

Poyer, S., C. Loutelier-Bourhis, V. Tognetti, L. Joubert, J. Enche, A. Bossee, F. Mondeguer, P. Hess and C. Afonso (2016). "Differentiation of gonyautoxins by ion mobility - mass spectrometry; a cationization study." International Journal Of Mass Spectrometry **402**: 20-28.

Pozniak, K. T. (2006). Application of FPGA technology for control of superconducting TESLA cavities in free electron laser. Conference on Photonics Applications in Astronomy, Communications, Industry, and High-Energy Physics Experiments 2006, Wilga, POLAND, Spie-Int Soc Optical Engineering.

Pradhan, R., T. Ramasamy, J. Y. Choi, J. H. Kim, B. K. Poudel, J. W. Tak, N. Nukolova, H. G. Choi, C. S. Yong and J. O. Kim (2015). "Hyaluronic acid-decorated poly(lactic-co-glycolic acid) nanoparticles for combined delivery of docetaxel and tanespimycin." Carbohydrate Polymers **123**: 313-323.

Prego-Faraldo, M. V., V. Valdiglesias, J. Mendez and J. M. Eirin-Lopez (2013). "Okadaic Acid Meet and Greet: An Insight into Detection Methods, Response Strategies and Genotoxic Effects in Marine Invertebrates." Marine Drugs **11**(8): 2829-2845.

Preigschadt, I. A., R. C. Bevilacqua, M. S. Netto, J. Georgin, D. S. P. Franco, E. S. Mallmann, D. Pinto, E. L. Foletto and G. L. Dotto "Optimization of ketoprofen adsorption from aqueous solutions and simulated effluents using H<sub>2</sub>SO<sub>4</sub> activated Campomanesia guazumifolia bark." Environmental Science and Pollution Research: 14.

Pretty, J. N., C. F. Mason, D. B. Nedwell, R. E. Hine, S. Leaf and R. Dils (2003). "Environmental costs of freshwater eutrophication in England and Wales." Environmental Science & Technology **37**(2): 201-208.

Prickett, T. D. and D. L. Brautigan (2006). "The alpha 4 regulatory subunit exerts opposing allosteric effects on protein phosphatases PP6 and PP2A." Journal of Biological Chemistry **281**(41): 30503-30511.

Prieto-Simon, B., H. Miyachi, I. Karube and H. Saiki (2010). "High-sensitive flow-based kinetic exclusion assay for okadaic acid assessment in shellfish samples." Biosensors & Bioelectronics **25**(6): 1395-1401.

Princiotta, S. D., S. P. Hendricks and D. S. White (2019). "Production of Cyanotoxins by *Microcystis aeruginosa* Mediates Interactions with the Mixotrophic Flagellate *Cryptomonas*." Toxins **11**(4): 16.

Proniewsk, F., P. Lassus, G. Bocquene, L. Miossec and M. Bardouil (1984). Influence des rejets de l'usine "Thann et Mulhouse" sur les organismes marins - Mesures de pH "in situ" et relation avec les tests d'écotoxicité.

Proniewski, F. and P. Lassus (1987). "Effects of acid-iron wastes on estuarine organisms: recent field and laboratory experiments." Marine Biology **96**(3): 451-457.

Puel, O., F. Galgani, C. Dalet and P. Lassus (1998). "Partial sequence of the 24S rRNA and polymerase chain reaction based assay for the toxic dinoflagellate *Dinophysis acuminata*." Canadian Journal Of Fisheries And Aquatic Sciences **55**(3): 597-604.

Puiseux-Dao, S., C. Le Baut, E. Erard-Le Denn, M. Bardouil, M. Ryckaert, P. Lecorre, P. Gentien, P. Maggi, P. Lassus and L. Boutibonnes (1988). Efflorescences phytoplanctoniques : bilan des études effectuées en quatre ans. Séminaire tenu à Nantes, les 7 et 8 décembre 1987.

Punhagui, A. P. F., G. R. Teixeira, M. C. de Freitas, P. M. Seraphim and G. S. A. Fernandes (2018). "Intermittent resistance exercise and obesity, considered separately or combined, impair spermatic parameters in adult male Wistar rats." International Journal of Experimental Pathology **99**(2): 95-102.

Puschner, B., C. Pratt and E. R. Tor (2010). "Treatment and diagnosis of a dog with fulminant neurological deterioration due to anatoxin-a intoxication." Journal of Veterinary Emergency and Critical Care **20**(5): 518-522.

Qi, J., H. C. Lan, H. J. Liu, R. P. Liu, S. Y. Miao and J. H. Qu (2016). "Simultaneous surface-adsorbed organic matter desorption and cell integrity maintenance by moderate prechlorination to enhance *Microcystis aeruginosa* removal in KMnO<sub>4</sub>-Fe(II) process." *Water Research* **105**: 551-558.

Qian, F., D. R. Dixon, G. Newcombe, L. Ho, J. Dreyfus and P. J. Scales (2014). "The effect of pH on the release of metabolites by cyanobacteria in conventional water treatment processes." *Harmful Algae* **39**: 253-258.

Qian, Z. Y., X. Chen, H. T. Zhu, J. Z. Shi, T. T. Gong and Q. M. Xian (2019). "Study on the cyanobacterial toxin metabolism of *Microcystis aeruginosa* in nitrogen-starved conditions by a stable isotope labelling method." *Journal of Hazardous Materials* **373**: 558-564.

Qian, Z. Y., J. Ma, C. L. Sun, Z. G. Li, Q. M. Xian, T. T. Gong and B. Xu (2017). "Using stable isotope labeling to study the nitrogen metabolism in *Anabaena flos-aquae* growth and anatoxin biosynthesis." *Water Research* **127**: 223-229.

Qiu, J. B., H. Fan, T. Liu, X. Liang, F. P. Meng, M. A. Quilliam and A. F. Li (2018). "Application of activated carbon to accelerate detoxification of paralytic shellfish toxins from mussels *Mytilus galloprovincialis* and scallops *Chlamys farreri*." *Ecotoxicology and Environmental Safety* **148**: 402-409.

Qiu, J. B., Y. Ji, Y. Fang, M. Y. Zhao, S. Q. Wang, Q. H. Ai and A. F. Li (2020). "Response of fatty acids and lipid metabolism enzymes during accumulation, depuration and esterification of diarrhetic shellfish toxins in mussels (*Mytilus galloprovincialis*)."*Ecotoxicology and Environmental Safety* **206**: 11.

Qiu, J. B., F. P. Meng, L. Ding, Y. J. Che, P. McCarron, D. G. Beach and A. F. Li (2018). "Dynamics of paralytic shellfish toxins and their metabolites during timecourse exposure of scallops *Chlamys farreri* and mussels *Mytilus galloprovincialis* to *Alexandrium pacificum*."*Aquatic Toxicology* **200**: 233-240.

Qiu, Y. Q., Y. H. Gao, K. J. Hu and F. Li (2008). "Enhancement of skin permeation of docetaxel: A novel approach combining microneedle and elastic liposomes." *Journal of Controlled Release* **129**(2): 144-150.

Qiu, Z. H., M. S. Decarvalho and C. C. Leslie (1993). "REGULATION OF PHOSPHOLIPASE-A(2) ACTIVATION BY PHOSPHORYLATION IN MOUSE PERITONEAL-MACROPHAGES." *Journal of Biological Chemistry* **268**(32): 24506-24513.

Qu, N., Y. T. Sun, Y. J. Li, F. Hao, P. Y. Qiu, L. S. Teng, J. Xie and Y. Gao (2019). "Docetaxel-loaded human serum albumin (HSA) nanoparticles: synthesis, characterization, and evaluation." *Biomedical Engineering Online* **18**: 14.

Qu, W., D. L. He, Y. N. Guo, Y. N. Tang, J. Shang, L. Zhou, R. L. Zhu and R. J. Song (2019). "Adsorption of Ni<sup>2+</sup> and Pb<sup>2+</sup> from water using diethylenetriamine-grafted *Spirodela polyrhiza*: behavior and mechanism studies." *Environmental Science and Pollution Research* **26**(33): 34562-34574.

Qu, Y. S., L. L. Isom, R. E. Westenbroek, J. C. Rogers, T. N. Tanada, K. A. McCormick, T. Scheuer and W. A. Catterall (1995). "MODULATION OF CARDIAC NA<sup>+</sup> CHANNEL EXPRESSION IN XENOPUS OOCYTES BY BETA-1 SUBUNITS." *Journal of Biological Chemistry* **270**(43): 25696-25701.

Quinette De, R. and H. Desprez (1897). Cours de travaux maritimes. 2ème partie, Ecole Nationale des Ponts et Chaussées.

Quiniou, F., X. Caisey, J. Quentin-Fichet and M. Lassus (2004). Lit'Eau Erika. Impact de la marée noire, due au naufrage de l'Erika, sur un écosystème marin de la côte atlantique, Ifremer.

Quy, L. V. and M. L. Champigny (1992). "NO<sub>3</sub>- ENHANCES THE KINASE-ACTIVITY FOR PHOSPHORYLATION OF PHOSPHOENOLPYRUVATE CARBOXYLASE AND SUCROSE PHOSPHATE SYNTHASE PROTEINS IN WHEAT LEAVES - EVIDENCE FROM THE EFFECTS OF MANNOSE AND OKADAIC ACID." Plant Physiology **99**(1): 344-347.

Radwan, F. F. Y. and J. S. Ramsdell (2008). "Brevetoxin forms covalent DNA adducts in rat lung following intratracheal exposure." Environmental Health Perspectives **116**(7): 930-936.

Radwan, F. F. Y., Z. H. Wang and J. S. Ramsdell (2005). "Identification of a rapid detoxification mechanism for brevetoxin in rats." Toxicological Sciences **85**(2): 839-846.

Rajasekhar, P., L. H. Fan, T. Nguyen and F. A. Roddick (2012). "Impact of sonication at 20 kHz on *Microcystis aeruginosa*, *Anabaena circinalis* and *Chlorella* sp." Water Research **46**(5): 1473-1481.

Rajasekhar, P., L. H. Fan, T. Nguyen and F. A. Roddick (2012). "A review of the use of sonication to control cyanobacterial blooms." Water Research **46**(14): 4319-4329.

Ramani, A., K. Rein, K. G. Shetty and K. Jayachandran (2012). "Microbial degradation of microcystin in Florida's freshwaters." Biodegradation **23**(1): 35-45.

Rampal, A. L., B. H. Jhun, S. Kim, H. Z. Liu, M. Manka, M. Lachaal, R. A. Spangler and C. Y. Jung (1995). "OKADAIC ACID STIMULATES GLUCOSE-TRANSPORT IN RAT ADIPOCYTES BY INCREASING THE EXTERNALIZATION RATE-CONSTANT OF GLUT4 RECYCLING." Journal of Biological Chemistry **270**(8): 3938-3943.

Ranada, M. L. O., R. S. D. Tabbada, A. D. L. Mendoza, J. Relox and E. Z. Sombrito (2016). "Size-dependent changes in toxicity of *Perna viridis* mussels exposed to natural populations of *Pyrodinium bahamense* var. *compressum*." Regional Studies in Marine Science **3**: 176-180.

Rankin, K. A., K. A. Alroy, R. M. Kudela, S. C. Oates, M. J. Murray and M. A. Miller (2013). "Treatment of Cyanobacterial (Microcystin) Toxicosis Using Oral Cholestyramine: Case Report of a Dog from Montana." Toxins **5**(6): 1051-1063.

Rao, D. V. S., Y. Pan, V. Zitko, G. Bugden and K. Mackeigan (1993). "DIARRHETIC SHELLFISH POISONING (DSP) ASSOCIATED WITH A SUBSURFACE BLOOM OF DINOPHYYSIS-NORVEGICA IN BEDFORD BASIN, EASTERN CANADA." Marine Ecology Progress Series **97**(2): 117-126.

Rao, P. M. and R. A. Mufson (1993). "INTERLEUKIN-3 INHIBITS CYCLOHEXIMIDE INDUCTION OF C-JUN MESSENGER-RNA IN HUMAN MONOCYTES - POSSIBLE ROLE FOR A SERINE THREONINE PHOSPHATASE." Journal of Cellular Physiology **156**(3): 560-566.

Raposo, M. I. C., M. Gomes, M. J. Botelho and A. Rudnitskaya (2020). "Paralytic Shellfish Toxins (PST)-Transforming Enzymes: A Review." Toxins **12**(5): 20.

Rashid, M. T., F. Sarpong, M. M. Hashim, M. A. Jatoi, B. Safdar and M. S. Baloch (2021). "Quality Changes in Diet Phalsa Squash Formulation during Storage: A Kinetic and Statistical Interpretation of Key Parameters Degradation Mechanism." International Journal of Fruit Science **21**(1): 804-818.

Rathouz, M. and L. Trussell (1998). "Characterization of outward currents in neurons of the avian nucleus magnocellularis." Journal of Neurophysiology **80**(6): 2824-2835.

Ratliff, C., J. Gentry, S. Schmalz and J. J. Heatley (2015). "VETERINARY RESPONSE TO ANIMAL CONTAMINATION EVENTS." Journal of Exotic Pet Medicine **24**(4): 408-414.

Ratnakumari, L. and H. C. Hemmings (1996). "Inhibition by propofol of H-3 -batrachotoxinin-A 20-alpha-benzoate binding to voltage-dependent sodium channels in rat cortical synaptosomes." British Journal of Pharmacology **119**(7): 1498-1504.

Rawojc, K., J. Miszczyk, A. Mozdzen, J. Swakon and A. Sowa-Staszczak (2018). "Evaluation of the premature chromosome condensation scoring protocol after proton and X-ray irradiation of human peripheral blood lymphocytes at high doses range." International Journal of Radiation Biology **94**(11): 996-1005.

Razdan, S., J. Adler, D. Barua and S. Barua (2021). "Multifunctional Biofilter to Effectively Remove Toxins." Acs Applied Bio Materials **4**(1): 731-741.

Reboreda, A., J. Lago, M. J. Chapela, J. M. Vieites, L. M. Botana, A. Alfonso and A. G. Cabado (2010). "Decrease of marine toxin content in bivalves by industrial processes." Toxicon **55**(2-3): 235-243.

Reddy, S., D. J. Mistry, Q. C. Wang, L. M. Geddis, H. C. Kutchai, J. R. Moorman and J. P. Mounsey (2002). "Effects of age and gene dose on skeletal muscle sodium channel gating in mice deficient in myotonic dystrophy protein kinase." Muscle & Nerve **25**(6): 850-857.

Refat, M. S., S. A. Ei-Korashy, D. N. Kumar and A. S. Ahmed (2008). "Syntheses and characterization of Ru(III) with chelating containing ONNO donor quadridentate Schiff bases." Spectrochimica Acta Part a-Molecular and Biomolecular Spectroscopy **70**(4): 898-906.

Regan, F., J. Fitzgerald, C. Murphy, I. Maguire, R. O'Kennedy and Ieee (2017). Convenient 'One-step' extraction method for autonomous sensing of marine algal toxins. Oceans Aberdeen Conference, Aberdeen, ENGLAND, Ieee.

Reguera, B., M. Wells, A. Zingone, S. Fraga, S. Azavedo, V. Magalhaes, I. Jenkinson, F. Rodriguez-Hernandez, D. M. Anderson, G. Hallegaaff, K. Davidson, P. Hess and H. Hegaret (2016). "Highlights of the XVII International Conference on Harmful Algae." Harmful Algae News **2016**(55): 1-8.

Rehmann, N., P. Hess and M. A. Quilliam (2008). "Discovery of new analogs of the marine biotoxin azaspiracid in blue mussels (*Mytilus edulis*) by ultra-performance liquid chromatography/tandem mass spectrometry." Rapid Communications In Mass Spectrometry **22**(4): 549-558.

Reid, P. C., C. Lancelot, W. W. C. Gieskes, E. Hagmeier and G. Weichert (1990). "PHYTOPLANKTON OF THE NORTH-SEA AND ITS DYNAMICS - A REVIEW." Netherlands Journal of Sea Research **26**(2-4): 295-331.

Reimholz, R., M. Geiger, V. Haake, U. Deiting, K. P. Krause, U. Sonnewald and M. Stitt (1997). "Potato plants contain multiple forms of sucrose phosphate synthase, which differ in their tissue distributions, their levels during development, and their responses to low temperature." Plant Cell and Environment **20**(3): 291-305.

Ren, J., Z. Y. Liu, W. S. Chen, H. Z. Xu and H. Feng (2019). "Anthocyanin Degrading and Chlorophyll Accumulation Lead to the Formation of Bicolor Leaf in Ornamental Kale." International Journal of Molecular Sciences **20**(3): 27.

Ren, X. Y., B. Q. Gao, X. L. Meng, P. Liu and J. Li (2019). "Comparison of the florfenicol metabolic rate in *Portunus trituberculatus* individuals with different body weights." Aquaculture Research **50**(3): 798-806.

Renou, J., G. Mercey, T. Verdelet, E. Paunescu, E. Gillon, M. Arboleas, M. Loiodice, M. Kliachyna, R. Baati, F. Nachon, L. Jean and P. Y. Renard (2013). "Syntheses and in vitro evaluations of uncharged reactivators for human acetylcholinesterase inhibited by organophosphorus nerve agents." Chemico-Biological Interactions **203**(1): 81-84.

Reveillon, D., E. Abadie, V. Sechet, L. Brient, V. Savar, M. Bardouil, P. Hess and Z. Amzil (2014). "Beta-N-Methylamino-L-Alanine: LC-MS/MS Optimization, Screening of Cyanobacterial Strains and Occurrence in Shellfish from Thau, a French Mediterranean Lagoon." Marine Drugs **12**(11): 5441-5467.

Reveillon, D., E. Abadie, V. Sechet, E. Masseret, P. Hess and Z. Amzil (2015). " $\beta$ -N-methylamino-l-alanine (BMAA) and isomers: Distribution in different food web compartments of Thau lagoon, French Mediterranean Sea." Marine Environmental Research **110**: 8-18.

Réveillon, D., V. Savar, E. Schaefer, J. Chevé, M.-P. Halm-Lemeille, D. Hervio-Heath, M.-A. Travers, E. Abadie, J.-L. Rolland and P. Hess (2021). "Tetrodotoxins in French Bivalve Mollusks—Analytical Methodology, Environmental Dynamics and Screening of Bacterial Strain Collections." Toxins **13**(11).

Reveillon, D., V. Sechet, P. Hess and Z. Amzil (2016). "Production of BMAA and DAB by diatoms (*Phaeodactylum tricornutum*, *Chaetoceros* sp., *Chaetoceros calcitrans* and, *Thalassiosira pseudonana*) and bacteria isolated from a diatom culture." Harmful Algae **58**: 45-50.

Reveillon, D., V. Sechet, P. Hess and Z. Amzil (2016). "Systematic detection of BMAA ( $\beta$ -N-methylamino-L-alanine) and DAB (2,4-diaminobutyric acid) in mollusks collected in shellfish production areas along the French coasts." Toxicon **110**: 35-46.

Reynal, L., P. Marchal, R. Baron, J.-P. Berge, C. Chopin, M. Jerome, P. Larnaud, B. Liorzou, M. Meillat, R. Mongruel, D. Pelletier, D. Priour, J. Sacchi, M. Taquet, O. Thebaud, V. Verrez-Bagnis and B. Vincent (2008). Bilan du Projet GUAPA. Aide à la Gestion, Utilisation des Ressources Halieutiques.

Riaux-Gobin, C. and P. Lassus (1989). "Conditions hydroclimatiques d'une eau colorée à *Gonyaulax spinifera* (dinoflagellé) dans une ria du Nord-Finistère." Botanica Marina **32**(5): 491-498.

Richardson, A. F. and J. J. Sando (1995). "RAPID TYROSINE PHOSPHORYLATION OF AN 85,000 M(R) PROTEIN AFTER PHORBOL ESTER STIMULATION OF EL4 THYMOMA CELLS." Cellular Signalling **7**(1): 17-30.

Richardson, S. D. and S. Y. Kimura (2017). "Emerging environmental contaminants: Challenges facing our next generation and potential engineering solutions." Environmental Technology & Innovation **8**: 40-56.

Rigopoulos, G. (2016). "Thermal interpretation of infrared dynamics in de Sitter." Journal of Cosmology and Astroparticle Physics(7): 13.

Rigor, R. R., C. Damoc, B. S. Phinney and P. M. Cala (2011). "Phosphorylation and Activation of the Plasma Membrane Na<sup>+</sup>/H<sup>+</sup> Exchanger (NHE1) during Osmotic Cell Shrinkage." Plos One **6**(12): 11.

Riis, B. and O. Nygard (1997). "Kinetics of calcium and calmodulin-dependent protein kinase III from embryonic chicken leg muscle cells." Febs Letters **407**(1): 21-24.

Ritz, V., J. Marwitz, S. Sieder, C. Ziemann, K. I. Hirsch-Ernst, I. Quentin and H. J. Steinfeldler (1999). "Contribution of mdr1b-type P-glycoprotein to okadaic acid resistance in rat pituitary GH(3) cells." Naunyn-Schmiedebergs Archives of Pharmacology **360**(2): 116-121.

Rivas, M., C. Garcia, J. L. Liberona and N. Lagos (2000). "Biochemical characterization and inhibitory effects of dinophysistoxin-1, okadaic acid and microcystine l-r on protein phosphatase 2a purified from the mussel *Mytilus chilensis*." Biological Research **33**(3-4): 197-206.

Rjiba, W., H. Ben Ismail, R. Baron and J. Ben Souissi (2016). Valorisation des hydrolysats protéiques de la carapace du crabe invasif *Labinia Dubia* du Golfe de Gabes. 41th CIESM Congress. 12-16 september 2016, Kiel, Germany.

Ro, P. I. and P. I. Hubbel (1993). "MODEL-REFERENCE ADAPTIVE-CONTROL OF DUAL-MODE MICRO MACRO DYNAMICS OF BALL SCREWS FOR NANOMETER MOTION." Journal of Dynamic Systems Measurement and Control-Transactions of the Asme **115**(1): 103-108.

Robertson, B., D. Owen, J. Stow, C. Butler and C. Newland (1996). "Novel effects of dendrotoxin homologues on subtypes of mammalian Kv1 potassium channels expressed in *Xenopus* oocytes." Febs Letters **383**(1-2): 26-30.

Robic, G. and E. A. Miranda (2011). "Electrocoagulation as a Clarification and Pre-purification Step in Plant Based Bioprocesses." Biotechnology and Bioprocess Engineering **16**(4): 777-784.

Robillot, C. and M. C. Hennion (2004). "Issues arising when interpreting the results of the protein phosphatase 2A inhibition assay for the monitoring of microcystins." Analytica Chimica Acta **512**(2): 339-346.

Roder, K., N. Fritz, G. Gerdts and B. Luckas (2011). "ACCUMULATION AND DEPURATION OF YESSOTOXIN IN TWO BIVALVES." Journal of Shellfish Research **30**(1): 167-175.

Rodriguez, E., G. D. Onstad, T. P. J. Kull, J. S. Metcalf, J. L. Acero and U. von Gunten (2007). "Oxidative elimination of cyanotoxins: Comparison of ozone, chlorine, chlorine dioxide and permanganate." Water Research **41**(15): 3381-3393.

Rodriguez, I., A. Alfonso, A. Antelo, M. Alvarez and L. M. Botana (2016). "Evaluation of the Impact of Mild Steaming and Heat Treatment on the Concentration of Okadaic Acid, Dinophysistoxin-2 and Dinophysistoxin-3 in Mussels." Toxins **8**(6): 12.

Rodriguez, M. and E. Greenbaum (2009). "Detection Limits for Real-Time Source Water Monitoring Using Indigenous Freshwater Microalgae." Water Environment Research **81**(11): 2363-2371.

Rodriguez, P., A. Alfonso, A. M. Botana, M. R. Vieytes and L. M. Botana (2010). "Comparative analysis of pre- and post-column oxidation methods for detection of paralytic shellfish toxins." Toxicon **56**(3): 448-457.

Rodriguez, P., A. Alfonso, E. Turrell, J. P. Lacaze and L. M. Botana (2011). "Study of solid phase adsorption of paralytic shellfish poisoning toxins (PSP) onto different resins." Harmful Algae **10**(5): 447-455.

Roegner, A., L. Sitoki, C. Weirich, J. Corman, D. Owage, M. Umami, E. Odada, J. Miruka, Z. Ogari, W. Smith, E. Rejmankova and T. R. Miller (2020). "Harmful Algal Blooms Threaten the Health of Peri-Urban Fisher Communities: A Case Study in Kisumu Bay, Lake Victoria, Kenya." Exposure and Health **12**(4): 835-848.

Roegner, A., L. Truong, C. Weirich, M. Pirez-Schirmer, B. Brena, T. R. Miller and R. Tanguay (2019). "Combined Danio rerio embryo morbidity, mortality and photomotor response assay: A tool for developmental risk assessment from chronic cyanoHAB exposure." Science of the Total Environment **697**: 13.

Roegner, A. F., B. Brena, G. Gonzalez-Sapienza and B. Puschner (2014). "Microcystins in potable surface waters: toxic effects and removal strategies." Journal of Applied Toxicology **34**(5): 441-457.

Roelke, D. L., A. Barkoh, B. W. Brooks, J. P. Grover, K. D. Hambright, J. W. LaClaire, P. D. R. Moeller and R. Patino (2016). "A chronicle of a killer alga in the west: ecology, assessment, and management of *Prymnesium parvum* blooms." Hydrobiologia **764**(1): 29-50.

Rogers, E. H., E. S. Hunter, V. C. Moser, P. M. Phillips, J. Herkovits, L. Munoz, L. L. Hall and N. Chernoff (2005). "Potential developmental toxicity of anatoxin-a, a cyanobacterial toxin." Journal of Applied Toxicology **25**(6): 527-534.

Rolland, J. L., W. Medhioub, A. Vergnes, C. Abi-Khalil, V. Savar, E. Abadie, E. Masseret, Z. Amzil and M. Laabir (2014). "A Feedback Mechanism to Control Apoptosis Occurs in the Digestive Gland of the Oyster *Crassostrea gigas* Exposed to the Paralytic Shellfish Toxin Producer *Alexandrium catenella*." Marine Drugs **12**(9): 5035-5054.

Romanov, G. A., I. A. Getman and T. Schmulling (2000). "Investigation of early cytokinin effects in a rapid Amaranthus seedling test." Plant Growth Regulation **32**(2-3): 337-344.

Romero, L. G., R. I. Mondardo, M. L. Sens and T. Grischek (2014). "Removal of cyanobacteria and cyanotoxins during lake bank filtration at Lagoa do Peri, Brazil." Clean Technologies and Environmental Policy **16**(6): 1133-1143.

Roncalli, V., M. C. Cieslak and P. H. Lenz (2016). "Transcriptomic responses of the calanoid copepod *Calanus finmarchicus* to the saxitoxin producing dinoflagellate *Alexandrium fundyense*." Scientific Reports **6**: 13.

Roncalli, V., P. H. Lenz, M. C. Cieslak and D. K. Hartline (2017). "Complementary mechanisms for neurotoxin resistance in a copepod." Scientific Reports **7**: 11.

Ronzitti, G., P. Hess, N. Rehmann and G. P. Rossini (2007). "Azaspiracid-1 alters the E-cadherin pool in epithelial cells." *Toxicological Sciences* **95**(2): 427-435.

Ropert, C., M. Clozel, A. C. L. Chaves and R. T. Gazzinelli (2003). "Inhibition of a p38/stress-activated protein kinase-2-dependent phosphatase restores function of IL-1 receptor-associated kinase-1 and reverses toll-like receptor 2-and 4-dependent tolerance of macrophages." *Journal of Immunology* **171**(3): 1456-1465.

Rosenblum, L., A. Zaffiro, W. A. Adams and S. C. Wendelken (2017). "Effect of chlorination by-products on the quantitation of microcystins in finished drinking water." *Toxicon* **138**: 138-144.

Rositano, J., G. Newcombe, B. Nicholson and P. Sztajnbok (2001). "Ozonation of NOM and algal toxins in four treated waters." *Water Research* **35**(1): 23-32.

Ross, J., M. Teesson, S. Darke, M. Lynskey, R. Ali, A. Ritter and R. Cooke (2005). "The characteristics of heroin users entering treatment: findings from the Australian Treatment Outcome Study (ATOS)." *Drug and Alcohol Review* **24**(5): 411-418.

Rossignoli, A. E. and J. Blanco (2008). "Cellular distribution of okadaic acid in the digestive gland of *Mytilus galloprovincialis* (Lamarck, 1819)." *Toxicon* **52**(8): 957-959.

Rossignoli, A. E. and J. Blanco (2010). "Subcellular distribution of okadaic acid in the digestive gland of *Mytilus galloprovincialis*: First evidences of lipoprotein binding to okadaic acid." *Toxicon* **55**(2-3): 221-226.

Rossignoli, A. E., D. Fernandez, C. P. Acosta and J. Blanco (2011). "Microencapsulation of okadaic acid as a tool for studying the accumulation of DSP toxins in mussels." *Marine Environmental Research* **71**(1): 91-93.

Rossignoli, A. E., D. Fernandez, J. Regueiro, C. Marino and J. Blanco (2011). "Esterification of okadaic acid in the mussel *Mytilus galloprovincialis*." *Toxicon* **57**(5): 712-720.

Rossini, G. P. and P. Hess (2010). Phycotoxins: chemistry, mechanisms of action and shellfish poisoning, Birkhauser Boston.

Roue, M., H. T. Darius, A. Ung, J. Viallon, M. Sibat, P. Hess, Z. Amzil and M. Chinain (2018). "Tissue Distribution and Elimination of Ciguatoxins in *Tridacna maxima* (Tridacnidae, Bivalvia) Fed *Gambierdiscus polynesiensis*." *Toxins* **10**(5): 13.

Roué, M., K. F. Smith, M. Sibat, J. Viallon, K. Henry, A. Ung, L. Biessy, P. Hess, H. T. Darius and M. Chinain (2020). "Assessment of Ciguatera and Other Phycotoxin-Related Risks in Anaho Bay (Nuku Hiva Island, French Polynesia): Molecular, Toxicological, and Chemical Analyses of Passive Samplers." *Toxins* **12**(5).

Roy, B. and P. A. Fuierer (2010). "Influence of Sodium Chloride and Dibasic Sodium Phosphate Salt Matrices on the Anatase-Rutile Phase Transformation and Particle Size of Titanium Dioxide Powder." *Journal of the American Ceramic Society* **93**(2): 436-444.

Roy, M. L. and T. Narahashi (1992). "DIFFERENTIAL PROPERTIES OF TETRODOTOXIN-SENSITIVE AND TETRODOTOXIN-RESISTANT SODIUM-CHANNELS IN RAT DORSAL-ROOT GANGLION NEURONS." *Journal of Neuroscience* **12**(6): 2104-2111.

Roy-Lachapelle, A., S. V. Duy, G. Munoz, Q. T. Dinh, E. Bahl, D. F. Simon and S. Sauve (2019). "Analysis of multiclass cyanotoxins (microcystins, anabaenopeptins, cylindrospermopsin and anatoxins) in lake waters using on-line SPE liquid chromatography high-resolution Orbitrap mass spectrometry." *Analytical Methods* **11**(41): 5289-5300.

Roy-Lachapelle, A., M. Solliec, S. Sauve and C. Gagnon (2019). "A Data-Independent Methodology for the Structural Characterization of Microcystins and Anabaenopeptins Leading to the Identification of Four New Congeners." *Toxins* **11**(11): 21.

Roy-Lachapelle, A., M. Solliec, S. Sauve and C. Gagnon (2021). "Evaluation of ELISA-based method for total anabaenopeptins determination and comparative analysis with on-line SPE-UHPLC-HRMS in freshwater cyanobacterial blooms." *Talanta* **223**: 9.

Rubin, J. G. and D. M. Soderlund (1993). "BINDING OF H-3 BATRACHOTOXININ A-20-ALPHA-BENZOATE AND H-3 SAXITOXIN TO RECEPTOR-SITES ASSOCIATED WITH SODIUM-CHANNELS IN TROUT BRAIN SYNAPTOEUROSOMES." *Comparative Biochemistry and Physiology C-Pharmacology Toxicology & Endocrinology* **105**(2): 231-238.

Rubio, D. P., L. G. Roa, D. A. Soto, F. J. Velasquez, N. A. Gregorcic, J. A. Soto, M. C. Martinez, A. M. Kalergis and A. E. Vasquez (2015). "Purification and characterization of saxitoxin from *Mytilus chilensis* of southern Chile." *Toxicon* **108**: 147-153.

Rue, E. and K. Bruland (2001). "Domoic acid binds iron and copper: a possible role for the toxin produced by the marine diatom *Pseudo-nitzschia*." *Marine Chemistry* **76**(1-2): 127-134.

Ruebhart, D. R., W. L. Radcliffe and G. K. Eaglesham (2011). "Alternative Bioassay for the Detection of Saxitoxin Using the Speckled Cockroach (*Nauphoeta cinerea*)."*Journal of Toxicology and Environmental Health-Part a-Current Issues* **74**(10): 621-637.

Rugama, Y., J. L. Munoz-Cobo and T. E. Valentine (2000). Noise method for monitoring the subcriticality in accelerator-driven systems. International Conference on Advanced Monte Carlo for Radiation Physics, Particle Transport Simulation and Applications, Lisbon, Portugal, Springer-Verlag Berlin.

Rukmangathan, M., V. Santhoshkumar and B. Ramkumar (2016). "Kinetics and Mechanism of Oxidation of Aliphatic Primary Alcohols with 1-Chlorobenzimidazole in Aqueous Acetic Acid Medium." *Zeitschrift Fur Physikalische Chemie-International Journal of Research in Physical Chemistry & Chemical Physics* **230**(8): 1139-1152.

Rundberget, T., E. Gustad, I. A. Samdal, M. Sandvik and C. O. Miles (2009). "A convenient and cost-effective method for monitoring marine algal toxins with passive samplers." *Toxicon* **53**(5): 543-550.

Ryan, D. E. and L. Campbell (2016). "Identification and phylogeny of putative PEPC genes in three toxin-producing *Karenia* (Dinophyta) species." *Journal of Phycology* **52**(4): 618-625.

Ryckaert, M., E. Nezan, G. Arzul, G. Bodennec, E. Erard-Le Denn, P. Gentien, P. Lassus and C. Marcaillou-Le Baut (1996). Suivi du phytoplancton en rade de Brest et synthèse des connaissances sur les dinoflagelles nuisibles.

Sabiri, N. E., J. B. Castaing, A. Massé and P. Jaouen (2012). "Performance of a sand filter in removal of micro-algae from seawater in aquaculture production systems." Environmental Technology **33**(6): 667-676.

Sachdeva, A. K. and K. Chopra (2015). "Naringin mitigate okadaic acid-induced cognitive impairment in an experimental paradigm of Alzheimer's disease." Journal of Functional Foods **19**: 110-125.

Safronov, B. V., K. Kampe and W. Vogel (1993). "SINGLE VOLTAGE-DEPENDENT POTASSIUM CHANNELS IN RAT PERIPHERAL-NERVE MEMBRANE." Journal of Physiology-London **460**: 675-691.

Saito, S. and N. Uozumi (2019). "Guard Cell Membrane Anion Transport Systems and Their Regulatory Components: An Elaborate Mechanism Controlling Stress-Induced Stomatal Closure." Plants-Basel **8**(1): 17.

Salas, R., U. Tillmann, U. John, J. Kilcoyne, A. Burson, C. Cantwell, P. Hess, T. Jauffrais and J. Silke (2011). "The role of Azadinium spinosum (Dinophyceae) in the production of azaspiracid shellfish poisoning in mussels." Harmful Algae **10**(6): 774-783.

Salathe, M. and R. J. Bookman (1999). "Mode of Ca<sup>2+</sup> action on ciliary beat frequency in single ovine airway epithelial cells." Journal of Physiology-London **520**(3): 851-865.

Salehi, S. A., M. D. Riedel and K. K. Parhi (2014). Asynchronous Discrete-Time Signal Processing with Molecular Reactions. 48h Asilomar Conference on Signals, Systems and Computers, Pacific Grove, CA, Ieee Computer Soc.

Salehi, S. A., M. D. Riedel, K. K. Parhi and Ieee (2015). Markov Chain Computations using Molecular Reactions. IEEE International Conference on Digital Signal Processing (DSP), Singapore, SINGAPORE, Ieee.

Salgado, P., J. A. Vazquez, P. Riobo, J. M. Franco, R. I. Figueroa, A. Kremp and I. Bravo (2015). "A Kinetic and Factorial Approach to Study the Effects of Temperature and Salinity on Growth and Toxin Production by the Dinoflagellate *Alexandrium ostenfeldii* from the Baltic Sea." Plos One **10**(12): 19.

Sallenave, C., Y. Pouchus, M. Bardouil, P. Lassus, M. Roquebert and J. Verbist (1999). "Bioaccumulation of mycotoxins by shellfish: Contamination of mussels by metabolites of a *Trichoderma koningii* strain isolated in the marine environment." Toxicon **37**(1): 77-83.

Sallenave-Namont, C., Y. Pouchus, T. Robiou Du Pont, P. Lassus and J. Verbist (2000). "Toxigenic saprophytic fungi in marine shellfish farming areas." Mycopathologia **149**(1): 21-25.

Salomon, Y. L. D., J. Georgin, G. S. dos Reis, E. C. Lima, M. L. S. Oliveira, D. S. P. Franco, M. S. Netto, D. Allasia and G. L. Dotto (2020). "Utilization of Pacara Earpod tree (*Enterolobium contortisiliquum*) and Ironwood (*Caesalpinia leiostachya*) seeds as low-cost biosorbents for removal of basic fuchsin." Environmental Science and Pollution Research **27**(26): 33307-33320.

Salomon, Y. L. D., J. Georgin, D. S. P. Franco, M. S. Netto, P. Grassi, D. G. A. Piccilli, M. L. S. Oliveira and G. L. Dotto (2020). "Powdered biosorbent from pecan pericarp (*Carya illinoensis*) as an efficient material to uptake methyl violet 2B from effluents in batch and column operations." Advanced Powder Technology **31**(7): 2843-2852.

Salomon, Y. L. D., J. Georgin, D. S. P. Franco, M. S. Netto, D. G. A. Piccilli, E. L. Foletto, L. F. S. Oliveira and G. L. Dotto (2021). "High-performance removal of 2,4-dichlorophenoxyacetic acid herbicide in water using activated carbon derived from Queen palm fruit endocarp (*Syagrus romanzoffiana*)."  
Journal of Environmental Chemical Engineering **9**(1): 11.

Salonen, L. M., S. R. Pinela, S. P. S. Fernandes, J. Loucano, E. Carbo-Argibay, M. P. Sarria, C. Rodriguez-Abreu, J. Peixoto and B. Espina (2017). "Adsorption of marine phycotoxin okadaic acid on a covalent organic framework." Journal of Chromatography A **1525**: 17-22.

Samadi, A., C. Valderas, C. de los Rios, A. Bastida, M. Chioua, L. Gonzalez-Lafuente, I. Colmena, L. Gandia, A. Romero, L. del Barrio, M. D. Martin-de-Saavedra, M. G. Lopez, M. Villarroya and J. Marco-Contelles (2011). "Cholinergic and neuroprotective drugs for the treatment of Alzheimer and neuronal vascular diseases. II. Synthesis, biological assessment, and molecular modelling of new tacrine analogues from highly substituted 2-aminopyridine-3-carbonitriles." Bioorganic & Medicinal Chemistry **19**(1): 122-133.

Sampaio-Maia, B., R. Gomes and P. Soares-Da-Silva (1999). "<sup>32</sup>P-glycoprotein phosphorylation dephosphorylation and cellular accumulation of L-DOPA in LLC-GA5 Col300 cells." Journal of Autonomic Pharmacology **19**(3): 173-179.

Samsur, M., Y. Yamaguchi, T. Sagara, T. Takatani, O. Arakawa and T. Noguchi (2006). "Accumulation and depuration profiles of PSP toxins in the short-necked clam *Tapes japonica* fed with the toxic dinoflagellate *Alexandrium catenella*." Toxicon **48**(3): 323-330.

Sanchez, C. P., S. M. Cubel, B. Nyboer, M. Jankowska-Dollken, C. Schaeffer-Reiss, D. Ayoub, G. Planelles and M. Lanzer (2019). "Phosphomimetic substitution at Ser-33 of the chloroquine resistance transporter PfCRT reconstitutes drug responses in *Plasmodium falciparum*." Journal of Biological Chemistry **294**(34): 12766-12778.

Sanchis, A., C. Bosch-Orea, J. P. Salvador, M. P. Marco and M. Farre (2019). "Development and validation of a multianalyte immunoassay for the quantification of environmental pollutants in seawater samples from the Catalonia coastal area." Analytical and Bioanalytical Chemistry **411**(22): 5897-5907.

Sandhu, H., C. B. Xu and L. Edvinsson (2010). "Upregulation of contractile endothelin type B receptors by lipid-soluble cigarette smoking particles in rat cerebral arteries via activation of MAPK." Toxicology and Applied Pharmacology **249**(1): 25-32.

Sanewski, G. M. (2020). "DArTseq Molecular Markers Associated with the Spiny-Tip Leaf Margin in Pineapple (*Ananas comosus* L.)." Tropical Plant Biology **13**(1): 91-116.

Santiago-Morales, I. S. and E. Garcia-Mendoza (2011). "Growth and domoic acid content of *Pseudo-nitzschia australis* isolated from northwestern Baja California, Mexico, cultured under batch conditions at different temperatures and two Si:NO<sub>3</sub> ratios." Harmful Algae **12**: 82-94.

Sardo, A., R. Rossi, V. Soprano, P. Ciminiello, E. Fattorusso, P. Cirino and A. Zingone (2021). "The dual impact of *Ostreopsis cf. ovata* on *Mytilus galloprovincialis* and *Paracentrotus lividus*: Toxin accumulation and pathological aspects." Mediterranean Marine Science **22**(1): 59-72.

Sartori, M., G. Ceolotto and A. Semplicini (1999). "MAPKinase and regulation of the sodium-proton exchanger in human red blood cell." Biochimica Et Biophysica Acta-Biomembranes **1421**(1): 140-148.

Satin, J., J. W. Kyle, Z. Fan, R. Rogart, H. A. Fozzard and J. C. Makielinski (1994). "POST-REPOLARIZATION BLOCK OF CLONED SODIUM-CHANNELS BY SAXITOXIN - THE CONTRIBUTION OF PORE-REGION AMINO-ACIDS." Biophysical Journal **66**(5): 1353-1363.

Sato, E. F., K. Edashige, M. Inoue and K. Utsumi (1995). "OKADAIC ACID INCREASED ANNEXIN-I AND INDUCED-DIFFERENTIATION OF HUMAN PROMYELOCYTIC LEUKEMIA-CELLS." Biochimica Et Biophysica Acta-Molecular Cell Research **1266**(1): 23-30.

Scarlett, K. R., S. Kim, L. M. Lovin, S. Chatterjee, J. T. Scott and B. W. Brooks (2020). "Global scanning of cylindrospermopsin: Critical review and analysis of aquatic occurrence, bioaccumulation, toxicity and health hazards." Science of the Total Environment **738**: 14.

Schaafsma, F. L. and L. Peperzak (2013). "Phytoplankton growth inhibited by the toxic and bacterivorous ciliate Uronema marinum (Protozoa, Ciliophora)." Marine Ecology Progress Series **475**: 35-48.

Schaefer, E., D. Reveillon, E. Robert, J. Cheve, C. Rollet, C. Mary, M.-P. Halm-Lemeille, M.-A. Travers, J.-L. Rolland, D. Hervio Heath and P. Hess (2019). Looking for tetrodotoxins in France: analytical development and screening of mollusks (oysters and clams) and marine bacteria within the ALERTOX-Net project. Phycotox 2019 - Conférence nationale sur les algues toxiques GdR PHYCOTOX, 14-17 mai 2019, Plouzané.

Schantz, E. J. and E. A. Johnson (1992). "PROPERTIES AND USE OF BOTULINUM TOXIN AND OTHER MICROBIAL NEUROTOXINS IN MEDICINE." Microbiological Reviews **56**(1): 80-99.

Schapira, M., P. Roux, C. Andre, K. Mertens, G. Bilien, A. Terre Terrillon, C. Le Gac-Abernot, R. Siano, J. Quere, L. Bizzozero, F. Bonneau, J.-F. Bouget, N. Cochennec-Laureau, K. Collin, M. Fortune, R. Gabellec, Y. Le Merrer, S. Manach, O. Pierre-Duplessix, M. Retho, A. Schmitt, P. Souchu and S. Stachowski-Haberkorn (2021). Les Efflorescences de *Lepidodinium chlorophorum* au large de la Loire et de la Vilaine : Déterminisme et conséquences sur la qualité des masses d'eau côtières, Ifremer.

Schild, L. and E. Moczydlowski (1991). "COMPETITIVE-BINDING INTERACTION BETWEEN ZN-2+ AND SAXITOXIN IN CARDIAC NA+ CHANNELS - EVIDENCE FOR A SULFHYDRYL-GROUP IN THE ZN-2+ SAXITOXIN BINDING-SITE." Biophysical Journal **59**(3): 523-537.

Schmachtenberg, O. (2006). "Histological and electrophysiological properties of crypt cells from the olfactory epithelium of the marine teleost *Trachurus symmetricus*." Journal of Comparative Neurology **495**(1): 113-121.

Schmidt, J. R., S. W. Wilhelm and G. L. Boyer (2014). "The Fate of Microcystins in the Environment and Challenges for Monitoring." Toxins **6**(12): 3354-3387.

Schmidt, W., K. Bornmann, L. Imhof, J. Mankiewicz and K. Izydorczyk (2008). "Assessing drinking water treatment systems for safety against cyanotoxin breakthrough using maximum tolerable values." Environmental Toxicology **23**(3): 337-345.

Schnetzer, A., R. H. Lampe, C. R. Benitez-Nelson, A. Marchetti, C. L. Osburn and A. O. Tatters (2017). "Marine snow formation by the toxin-producing diatom, *Pseudo-nitzschia australis*." Harmful Algae **61**: 23-30.

Schoffelen, N. J., W. Mohr, T. G. Ferdelman, S. Littmann, J. Duerschlag, M. V. Zubkov, H. Ploug and M. M. M. Kuypers (2018). "Single-cell imaging of phosphorus uptake shows that key harmful algae rely on different phosphorus sources for growth." Scientific Reports **8**: 13.

Schreidah, C. M., K. Ratnayake, K. Senarath and A. Karunaratne (2020). "Microcystins: Biogenesis, Toxicity, Analysis, and Control." Chemical Research in Toxicology **33**(9): 2225-2246.

Schrenk, D., M. Bignami, L. Bodin, J. del Mazo, B. Grasl-Kraupp, C. Hogstrand, K. J. Chipman, J. C. Leblanc, C. S. Nebbia, E. Nielsen, E. Ntzani, A. Petersen, S. Sand, T. Schwerdtle, C. Vlemminckx, H. Wallace, A. G. Martinez, A. Gerssen, A. Tubaro, C. Cascio, J. C. Abrahantes, H. Steinkellner, L. Hoogenboom and E. P. C. F. Chain (2021). "Evaluation of the shucking of certain species of scallops contaminated with domoic acid with a view to the production of edible parts meeting the safety requirements foreseen in the Union legislation." Efsa Journal **19**(8): 57.

Schroder, F., R. Handrock, D. J. Beuckelmann, S. Hirt, R. Hullin, L. Priebe, R. H. G. Schwinger, J. Weil and S. Herzig (1998). "Increased availability and open probability of single L-type calcium channels from failing compared with nonfailing human ventricle." Circulation **98**(10): 969-976.

Schultz, I. R., A. Skillman and D. Woodruff (2008). "Domoic acid excretion in dungeness crabs, razor clams and mussels." Marine Environmental Research **66**(1): 21-23.

SchulzLessdorf, B., G. Lohse and R. Hedrich (1996). "GCAC1 recognizes the pH gradient across the plasma membrane: A pH-sensitive and ATP-dependent anion channel links guard cell membrane potential to acid and energy metabolism." Plant Journal **10**(6): 993-1004.

Scullion, G. A., D. A. Kendall, D. Sunter, C. A. Marsden and M. C. Pardon (2009). "CENTRAL NORADRENERGIC DEPLETION BY DSP-4 PREVENTS STRESS-INDUCED MEMORY IMPAIRMENTS IN THE OBJECT RECOGNITION TASK." Neuroscience **164**(2): 415-423.

Sechet, V., M. Quilliam and P. Lassus (1997). Recherche d'acide okadaïque (et de ses dérivés) chez les bactéries associées aux dinoflagellés responsables d'intoxication diarrhéique, sur les côtes françaises.

Séchet, V., M. Sibat, G. Bilien, L. Carpentier, G.-A. Rovillon, V. Raimbault, F. Malo, S. Gaillard, M. Perrière-Rumebe, P. Hess and N. Chomérat (2021). "Characterization of toxin-producing strains of *Dinophysis* spp. (*Dinophyceae*) isolated from French coastal waters, with a particular focus on the *D. acuminata*-complex." Harmful Algae **107**.

Seeyave, S., T. A. Probyn, G. C. Pitcher, M. I. Lucas and D. A. Purdie (2009). "Nitrogen nutrition in assemblages dominated by *Pseudo-nitzschia* spp., *Alexandrium catenella* and *Dinophysis acuminata* off the west coast of South Africa." Marine Ecology Progress Series **379**: 91-107.

Seger, A. and G. Hallegraeff (2022). "Application of clay minerals to remove extracellular ichthyotoxins produced by the dinoflagellates *Karlodinium veneficum* and *Karenia mikimotoi*." Harmful Algae **111**: 9.

- Seger, A., G. Hallegraeff, D. A. J. Stone, M. S. Bansemer, D. T. Harwood and A. Turnbull (2020). "Uptake of Paralytic Shellfish Toxins by Blacklip Abalone (*Haliotis rubra rubra* Leach) from direct exposure to *Alexandrium catenella* microalgal cells and toxic aquaculture feed." *Harmful Algae* **99**: 9.
- Seger, C., S. Sturm, H. Stuppner, T. M. Butt and H. Strasser (2004). "Combination of a new sample preparation strategy with an accelerated high-performance liquid chromatography assay with photodiode array and mass spectrometric detection for the determination of destruxins from *Metarrhizium anisopliae* culture broth." *Journal of Chromatography A* **1061**(1): 35-43.
- Sekiguchi, K., S. Sato, T. Ogata, S. Kaga and M. Kodama (2001). "Accumulation and depuration kinetics of paralytic shellfish toxins in the scallop *Patinopecten yessoensis* fed *Alexandrium tamarense*." *Marine Ecology Progress Series* **220**: 213-218.
- Sekijima, M., T. Tsutsumi, T. Yoshida, T. Harada, F. Tashiro, G. Chen, S. Z. Yu and Y. Ueno (1999). "Enhancement of glutathione S-transferase placental-form positive liver cell foci development by microcystin-LR in aflatoxin B-1-initiated rats." *Carcinogenesis* **20**(1): 161-165.
- Selamat, N. and K. K. Nadarajah (2021). "Meta-Analysis of Quantitative Traits Loci (QTL) Identified in Drought Response in Rice (*Oryza sativa* L.)." *Plants-Basel* **10**(4): 26.
- Semeniuk, D. M., R. M. Bundy, C. D. Payne, K. A. Barbeau and M. T. Maldonado (2015). "Acquisition of organically complexed copper by marine phytoplankton and bacteria in the northeast subarctic Pacific Ocean." *Marine Chemistry* **173**: 222-233.
- Sen, K. I., A. Sienkiewicz, J. F. Love, J. C. vanderSpek, P. G. Fajer and T. M. Logan (2006). "Mn(II) binding by the anthracis repressor from *Bacillus anthracis*." *Biochemistry* **45**(13): 4295-4303.
- Senogles, P. J., J. A. Scott, G. Shaw and H. Stratton (2001). "Photocatalytic degradation of the cyanotoxin cylindrospermopsin, using titanium dioxide and UV irradiation." *Water Research* **35**(5): 1245-1255.
- Senogles-Derham, P. J., A. Seawright, G. Shaw, W. Wickramisingh and M. Shahin (2003). "Toxicological aspects of treatment to remove cyanobacterial toxins from drinking water determined using the heterozygous P53 transgenic mouse model." *Toxicon* **41**(8): 979-988.
- Sens, M. L., B. S. Pizzolatti, R. I. Mondardo and L. G. Romero (2013). "BANK FILTRATION AS A WATER TREATMENT ALTERNATIVE FOR THE REMOVAL OF CYANOBACTERIA AND CYANOTOXINS." *Interciencia* **38**(4): 253-259.
- Seo, M. and A. Marion-Poll (2019). Abscisic acid metabolism and transport. *Abscisic Acid in Plants*. M. Seo and A. MarionPoll. London, Academic Press Ltd-Elsevier Science Ltd. **92**: 1-49.
- Sephton, D. H., X. Haya, J. L. Martin, M. M. LeGresley and F. H. Page (2007). "Paralytic shellfish toxins in zooplankton, mussels, lobsters and caged Atlantic salmon, *Salmo salar*, during a bloom of *Alexandrium fundyense* off Grand Manan Island, in the Bay of Fundy." *Harmful Algae* **6**(5): 745-758.
- Serot, T., R. Baron, C. Knockaert and J.-L. Vallet (2004). "Effect of smoking processes on the contents of 10 major phenolic compounds in smoked fillets of herring (*Cuplula harengus*)."*Food Chemistry* **85**(1): 111-120.

Seubert, E. L., A. G. Gellene, V. Campbell, J. Smith, G. Robertson and D. A. Caron (2017). "Incubation experiments to determine the response of a natural plankton community to treated sewage effluent." Estuarine Coastal and Shelf Science **186**: 250-262.

Shamsollahi, H. R. and A. H. Mahvi (2018). "Investigation on Moringa oleifera extracts function to reduce microbial load in water treatment." Desalination and Water Treatment **133**: 199-203.

Sharma, S., J. Choga, V. Gupta, P. Doghor, A. Chauhan, F. Kalala, A. Foor, C. Wright, J. Renteria, K. Elliott-Theberge and S. Mathur (2016). "Charnoly body as a novel biomarker of nutritional stress in Alzheimer's Disease." Functional Foods in Health and Disease **6**(6): 344-378.

Sharma, V. K., R. Zboril and R. S. Varma (2015). "Ferrates: Greener Oxidants with Multimodal Action in Water Treatment Technologies." Accounts of Chemical Research **48**(2): 182-191.

Sharp, J. A., S. L. Mailer, P. C. Thomson, C. Lefevre and K. R. Nicholas (2008). "Identification and transcript analysis of a novel wallaby (*Macropus eugenii*) basal-like breast cancer cell line." Molecular Cancer **7**: 14.

Shen, F., L. H. Wang, Q. Zhou and X. H. Huang (2018). "Effects of lanthanum on *Microcystis aeruginosa*: Attention to the changes in composition and content of cellular microcystins." Aquatic Toxicology **196**: 9-16.

Shen, X., H. T. Zhang, X. L. He, H. L. Shi, C. Stephan, H. Jiang, C. H. Wan and T. Eichholz (2019). "Evaluating the treatment effectiveness of copper-based algaecides on toxic algae *Microcystis aeruginosa* using single cell-inductively coupled plasma-mass spectrometry." Analytical and Bioanalytical Chemistry **411**(21): 5531-5543.

Shephard, G. S., S. Stockenstrom, D. De Villiers, W. J. Engelbrecht, E. W. Sydenham and G. F. S. Wessels (1998). "Photocatalytic degradation of cyanobacterial microcystin toxins in water." Toxicon **36**(12): 1895-1901.

Shephard, G. S., S. Stockenstrom, D. de Villiers, W. J. Engelbrecht and G. F. S. Wessels (2002). "Degradation of microcystin toxins in a falling film photocatalytic reactor with immobilized titanium dioxide catalyst." Water Research **36**(1): 140-146.

Sheu, J. R., Z. C. Chen, M. J. Hsu, S. H. Wang, K. W. Jung, W. F. Wu, S. H. Pan, R. D. Teng, C. H. Yang and C. Y. Hsieh (2018). "CME-1, a novel polysaccharide, suppresses iNOS expression in lipopolysaccharide-stimulated macrophages through ceramide-initiated protein phosphatase 2A activation." Journal of Cellular and Molecular Medicine **22**(2): 999-1013.

Shi, C. H., Z. Q. Zhang, F. Wang and Y. X. Luan (2018). "Active-targeting docetaxel-loaded mixed micelles for enhancing antitumor efficacy." Journal of Molecular Liquids **264**: 172-178.

Shi, H. L., J. Ding, T. Timmons and C. Adams (2012). "pH effects on the adsorption of saxitoxin by powdered activated carbon." Harmful Algae **19**: 61-67.

Shi, H. X., J. H. Qu, A. M. Wang and J. T. Ge (2005). "Degradation of microcystins in aqueous solution with in situ electrogenerated active chlorine." Chemosphere **60**(3): 326-333.

Shi, J. J., H. L. Zhang, Z. Y. Chen, L. H. Xu and Z. Z. Zhang (2017). "A multi-functional nanoplatform for efficacy tumor theranostic applications." Asian Journal of Pharmaceutical Sciences **12**(3): 235-249.

Shi, J. J., H. L. Zhang, L. Wang, L. L. Li, H. H. Wang, Z. Z. Wang, Z. Li, C. Q. Chen, L. Hou, C. F. Zhang and Z. Z. Zhang (2013). "PEI-derivatized fullerene drug delivery using folate as a homing device targeting to tumor." *Biomaterials* **34**(1): 251-261.

Shin, H. H., Z. Li, D. Réveillon, G.-A. Rovillon, K. Mertens, P. Hess, H. J. Kim, J. Lee, K.-W. Lee, D. Kim, B. S. Park, J. Hwang, M. H. Seo and W. A. Lim (2020). "Centrodinium punctatum (Dinophyceae) produces significant levels of saxitoxin and related analogs." *Harmful Algae* **100**.

Shoemaker, R. C. (2001). "Residential and recreational acquisition of possible estuary-associated syndrome: A new approach to successful diagnosis and treatment." *Environmental Health Perspectives* **109**: 791-796.

Shoemaker, R. C. and H. K. Hudnell (2001). "Possible estuary-associated syndrome: Symptoms, vision, and treatment." *Environmental Health Perspectives* **109**(5): 539-545.

Shoppert, A., D. Valeev, I. Loginova and L. Chaikin (2020). "Complete Extraction of Amorphous Aluminosilicate from Coal Fly Ash by Alkali Leaching under Atmospheric Pressure." *Metals* **10**(12): 17.

Siano, R., M. Lassudrie Duchesne, G. Delebecq, C. Jauzein, P. Hess, C. Labry, M. Le Gac, K. Mertens, F. Mondeguer and M. Sibat (2018). Paleoecology of marine protists : community dynamics and population adaptations revealed by ancient DNA metabarcoding and physiology of revived dinoflagellates. ISOP / PSA joint meeting. July 29th – August 2nd, 2018, Vancouver, University of British Columbia (Canada).

Siano, R., F. Mondeguer, M. Latimier, J. Quere, M. Sibat, L. Guillou and P. Hess (2017). Metabolomic differences between modern and ancient dinoflagellates in phosphorous-limited culture conditions. DINO11 - 11th International Conference on Modern and Fossil Dinoflagellates. 17 to 21 July 2017, Bordeaux (France).

Siano, R., F. Mondeguer, M. Latimier, J. Quere, M. Sibat, M. Le Gac and P. Hess (2018). Dinoflagellate adaptation to coastal ecosystem variations revealed through metabolomic analyses of revived strains. ICHA2018 - 18th International Conference on Harmful Algae "From ecosystems to socio-ecosystems". 21-26 october 2018, Nantes, France.

Siano, R., F. Mondeguer, M. Latimier, J. Quere, A. Youenou, M. Sibat, L. Guillou and P. Hess (2017). Mini projet GDR. MEDINA 2016-2017. MEtabolomics of ancient populations of DInoflAgellates in phosphorous-limited conditions. Phycotox2017 : conférence annuelle GdR Phycotox - GIS Cyano 2017. 14-16 mars 2017, Gif sur Yvette.

Sibat, M., M. Garcia-Portela and P. Hess (2018). "First identification of a C9-diol-ester of okadaic acid in *Dinophysis acuta* from Galician Rías Baixas (NW Spain)." *Toxicon* **153**: 19-22.

Sibat, M., C. Herrenknecht, H. T. Darius, M. Roue, M. Chinain and P. Hess (2018). "Detection of pacific ciguatoxins using liquid chromatography coupled to either low or high resolution mass spectrometry (LC-MS/MS)." *Journal Of Chromatography A* **1571**: 16-28.

Silva, M., R. de Oliveira, B. S. O. Ceballos, A. B. Guerra, S. F. de Aquino and M. Libanio (2017). "Evaluation of hierarchy of cyanotoxin removal by adsorption onto granular activated carbon." *Engenharia Sanitaria E Ambiental* **22**(4): 691-697.

Silvert, W. and D. V. S. Rao (1992). "DYNAMIC-MODEL OF THE FLUX OF DOMOIC ACID, A NEUROTOXIN, THROUGH A MYTILUS-EDULIS POPULATION." Canadian Journal of Fisheries and Aquatic Sciences **49**(2): 400-405.

Silvert, W. L. and A. D. Cembella (1995). "DYNAMIC MODELING OF PHYCOTOXIN KINETICS IN THE BLUE MUSSEL, MYTILUS-EDULIS, WITH IMPLICATIONS FOR OTHER MARINE-INVERTEBRATES." Canadian Journal of Fisheries and Aquatic Sciences **52**(3): 521-531.

Sinclair, J. L. and S. Hall (2008). Chapter 3: Occurrence of cyanobacterial harmful algal blooms workgroup report. Cyanobacterial Harmful Algal Blooms: State of the Science and Research Needs. H. K. Hudnall. Berlin, Springer-Verlag Berlin. **619**: 45-103.

Singh, A., K. Harding, H. R. V. Reddy and A. Godhe (2014). "An assessment of Dinophysis blooms in the coastal Arabian Sea." Harmful Algae **34**: 29-35.

Singh, S. K. and D. S. Pandey (2014). "Multifaceted half-sandwich arene-ruthenium complexes: interactions with biomolecules, photoactivation, and multinuclearity approach." Rsc Advances **4**(4): 1819-1840.

Sinha, A. K., M. A. Eggleton and R. T. Lochmann (2018). "An environmentally friendly approach for mitigating cyanobacterial bloom and their toxins in hypereutrophic ponds: Potentiality of a newly developed granular hydrogen peroxide-based compound." Science of the Total Environment **637**: 524-537.

Sipia, V. O., H. T. Kankaanpaa, J. Flinkman, K. Lahti and J. A. O. Meriluoto (2001). "Time-dependent accumulation of cyanobacterial hepatotoxins in flounders (*Platichthys flesus*) and mussels (*Mytilus edulis*) from the northern Baltic Sea." Environmental Toxicology **16**(4): 330-336.

Sirova, M., J. Strohalm, P. Chytíl, O. Lidicky, J. Tomala, B. Rihova and T. Etrych (2017). "The structure of polymer carriers controls the efficacy of the experimental combination treatment of tumors with HPMA copolymer conjugates carrying doxorubicin and docetaxel." Journal of Controlled Release **246**: 1-11.

Sirvio, J., P. Riekkinen, A. Valjakka, J. Jolkkonen and P. J. Riekkinen (1991). "THE EFFECTS OF NORADRENERGIC NEUROTOXIN, DSP-4, ON THE PERFORMANCE OF YOUNG AND AGED RATS IN SPATIAL NAVIGATION TASK." Brain Research **563**(1-2): 297-302.

Skafi, M., S. V. Duy, G. Munoz, Q. T. Dinh, D. F. Simon, P. Juneau and S. Sauve (2021). "Occurrence of microcystins, anabaenopeptins and other cyanotoxins in fish from a freshwater wildlife reserve impacted by harmful cyanobacterial blooms." Toxicon **194**: 44-52.

Sladeckova, A. and L. Zacek (1998). "Technological and hygienic consequences of reservoirs eutrophication in the Czech Republic." Water Science and Technology **37**(2): 195-202.

Slavik, I., W. Uhl, B. Skibinski, S. Rolinski, T. Petzoldt, J. Benndorf, N. Scheifhachen, L. Paul, M. Funke, H. Lohr, J. Volker and D. Borchardt (2013). "A decision support procedure for integrative management of dammed raw water reservoirs." Water Science and Technology-Water Supply **13**(2): 349-357.

Sloat, B. R., M. A. Sandoval, D. Li, W. G. Chung, D. S. P. Lansakara, P. J. Proteau, K. Kiguchi, J. DiGiovanni and Z. R. Cui (2011). "In vitro and in vivo anti-tumor activities of a gemcitabine derivative carried by nanoparticles." *International Journal of Pharmaceutics* **409**(1-2): 278-288.

Slosky, L. M., B. J. Thompson, L. Sanchez-Covarrubias, Y. F. Zhang, M. L. Laracuente, T. W. Vanderah, P. T. Ronaldson and T. P. Davis (2013). "Acetaminophen Modulates P-Glycoprotein Functional Expression at the Blood-Brain Barrier by a Constitutive Androstane Receptor-Dependent Mechanism." *Molecular Pharmacology* **84**(5): 774-786.

Smeti, E., D. L. Roelke, G. Gremion, J. M. Linhart, D. B. Danielidis and S. Spatharis (2015). "Potential mechanisms of coexistence between two globally important Pseudo-nitzschia (Bacillariophyta) species." *Hydrobiologia* **762**(1): 89-101.

Smiley-Moreno, E., D. Smith, J. J. Yu, P. Cao, B. P. Arulanandam and J. P. Chambers (2021). "Biochemical characterization of a recombinant acid phosphatase from *Acinetobacter baumannii*." *Plos One* **16**(6): 13.

Smith, A. L. and R. A. J. McIlhinney (1992). "EFFECTS OF ACROMELIC ACID-A ON THE BINDING OF H-3 KAINIC ACID AND H-3 AMPA TO RAT-BRAIN SYNAPTIC PLASMA-MEMBRANES." *British Journal of Pharmacology* **105**(1): 83-86.

Smith, B. C., A. Persson, E. Selander, G. H. Wikfors and J. Alix (2011). "Toxin profile change in vegetative cells and pellicle cysts of *Alexandrium fundyense* after gut passage in the eastern oyster *Crassostrea virginica*." *Aquatic Biology* **13**(2): 193-201.

Smith, F. M. J., S. A. Wood, R. van Ginkel, P. A. Broady and S. Gaw (2011). "First report of saxitoxin production by a species of the freshwater benthic cyanobacterium, *Scytonema Agardh*." *Toxicon* **57**(4): 566-573.

Smith, J., A. G. Gellene, K. A. Hubbard, H. A. Bowers, R. M. Kudela, K. Hayashi and D. A. Caron (2018). "Pseudo-nitzschia species composition varies concurrently with domoic acid concentrations during two different bloom events in the Southern California Bight." *Journal of Plankton Research* **40**(1): 29-45.

Smith, S. A. (2019). "Beyond Toxins: A Source-to-Treatment Strategy for Harmful Algal Blooms." *Journal American Water Works Association* **111**(11): 15-22.

Sobieszek, A. (1995). "CALMODULIN-DEPENDENT AUTOPHOSPHORYLATION OF SMOOTH-MUSCLE MYOSIN LIGHT-CHAIN KINASE - INTERMOLECULAR REACTION-MECHANISM VIA DIMERIZATION OF THE KINASE AND POTENTIATION OF THE CATALYTIC ACTIVITY FOLLOWING ACTIVATION." *Biochemistry* **34**(37): 11855-11863.

Søgaard, D. H., B. K. Sorrell, M. K. Sejr, P. Andersen, S. Rysgaard, P. J. Hansen, A. Skyttä, S. Lemcke and L. C. Lund-Hansen (2021). "An under-ice bloom of mixotrophic haptophytes in low nutrient and freshwater-influenced Arctic waters." *Scientific Reports* **11**(1): 2915.

Sokolov, A. N., A. N. Ragozin, I. A. Pyatnitsky and S. K. Alabugin (2019). *Applying of Digital Signal Processing Techniques to Improve the Performance of Machine Learning-based Cyber Attack Detection in Industrial Control System*. 12th International Conference on Security of Information and Networks (SIN), So Fed Univ, Sochi, RUSSIA, Assoc Computing Machinery.

Solino, L., N. Gouveia, V. Timoteo and P. R. Costa (2021). "New insights into the occurrence of paralytic shellfish toxins in the oceanic pufferfish *Lagocephalus lagocephalus* (Linnaeus, 1758) from Madeira Island, Portugal." Regional Studies in Marine Science **42**: 8.

Soltani, A., P. Hess, M. B. Dixon, S. F. E. Boerlage, D. M. Anderson, G. Newcombe, J. House, L. Ho, P. Baker and M. Burch (2017). World Health Organization and international guidelines for toxin control, harmful algal bloom management, and response planning, Intergovernmental Oceanographic Commission.

Song, T., L. Liu, X. P. Song, Y. B. Liang and G. H. Zhuang (2015). "Depuration of paralytic shellfish toxins in Japanese scallop (*Patinopecten yessoensis*) in natural environment." Acta Oceanologica Sinica **34**(12): 170-174.

Song, W., A. A. De La Cruz, K. Rein and K. E. O'Shea (2006). "Ultrasonically induced degradation of microcystin-LR and -RR: Identification of products, effect of pH, formation and destruction of peroxides." Environmental Science & Technology **40**(12): 3941-3946.

Song, W. H., S. W. Yan, W. J. Cooper, D. D. Dionysiou and K. E. O'Shea (2012). "Hydroxyl Radical Oxidation of Cylindrospermopsin (Cyanobacterial Toxin) and Its Role in the Photochemical Transformation." Environmental Science & Technology **46**(22): 12608-12615.

Song, X. Y. (2009). "Enhanced treatment of polluted surface water from Yellow river (China) with biooxidation as pretreatment: Pilot scale studies." Desalination and Water Treatment **9**(1-3): 59-65.

Song, X. Y., J. F. Hu, S. F. Chu, Z. Zhang, S. Xu, Y. H. Yuan, N. Han, Y. Liu, F. Niu, X. He and N. H. Chen (2013). "Ginsenoside Rg1 attenuates okadaic acid induced spatial memory impairment by the GSK3 beta/tau signaling pathway and the A beta formation prevention in rats." European Journal of Pharmacology **710**(1-3): 29-38.

Song, X. Y., Y. Y. Wang, S. F. Chu, J. F. Hu, P. F. Yang, W. Zuo, L. K. Song, S. Zhang and N. H. Chen (2016). "A new coumarin derivative, IMM-H004, attenuates okadaic acid-induced spatial memory impairment in rats." Acta Pharmacologica Sinica **37**(4): 444-452.

Song, Y., L. L. Zhang, J. Li, M. Chen and Y. W. Zhang (2018). "Mechanism of the influence of hydrodynamics on *Microcystis aeruginosa*, a dominant bloom species in reservoirs." Science of the Total Environment **636**: 230-239.

Song, Y. C., M. C. Hu, S. N. Li, Q. G. Zhai and Y. C. Jiang (2019). "Construction of CPO Immobilized Enzyme Reactor Based on Center-radial Dendritic Mesoporous Silica and Its Application." Chemical Journal of Chinese Universities-Chinese **40**(9): 1805-1812.

Sopanen, S., P. Uronen, P. Kuuppo, C. Svensen, A. Ruhl, T. Tamminen, E. Graneli and C. Legrand (2009). "Transfer of nodularin to the copepod *Eurytemora affinis* through the microbial food web." Aquatic Microbial Ecology **55**(2): 115-130.

Sorichetti, R. J., J. T. McLaughlin, I. F. Creed and C. G. Trick (2014). "Suitability of a cytotoxicity assay for detection of potentially harmful compounds produced by freshwater bloom-forming algae." Harmful Algae **31**: 177-187.

Sorlini, S., C. Collivignarelli, M. C. Miino, F. M. Caccamo and M. C. Collivignarelli (2020). "Kinetics of Microcystin-LR Removal in a Real Lake Water by UV/H<sub>2</sub>O<sub>2</sub> Treatment and Analysis of Specific Energy Consumption." *Toxins* **12**(12): 18.

Sorlini, S., M. C. Collivignarelli and A. Abba (2018). "CONTROL MEASURES FOR Cyanobacteria AND Cyanotoxins IN DRINKING WATER." *Environmental Engineering and Management Journal* **17**(10): 2455-2463.

Sosa, S., M. Pelin, F. Cavion, F. Herve, P. Hess and A. Tubaro (2020). "Acute Oral Toxicity of Pinnatoxin G in Mice." *Toxins* **12**(2).

Sotero-Santos, R. B., E. G. Carvalho, M. J. Dellamano-Oliveira and O. Rocha (2008). "Occurrence and toxicity of an Anabaena bloom in a tropical reservoir (Southeast Brazil)." *Harmful Algae* **7**(5): 590-598.

Sotka, E. E., J. Forbey, M. Horn, A. G. B. Poore, D. Raubenheimer and K. E. Whalen (2009). "The emerging role of pharmacology in understanding consumer-prey interactions in marine and freshwater systems." *Integrative and Comparative Biology* **49**(3): 291-313.

Souchu, P., A. Le Magueresse, P. Lassus, V. Sechet and H. Oger-Jeanneret (2012). DINOPHAG. Janvier 2011 - Juin 2012. Programme de recherche sur Dinophysis dans les eaux littorales des Pays de la Loire.

Souchu, P., H. Oger-Jeanneret, P. Lassus, V. Sechet, A. Le Magueresse and V. Le Bihan (2013). Dinophag. Programme de recherche sur Dinophysis dans les eaux littorales des Pays de la Loire.

Sournia, A., C. Belin, B. Berland, E. Erard-Le Denn, D. Grzebyk, C. Marcaillou-Le Baut, P. Lassus and F. Partensky (1990). Nuisances et intoxications causées en France par le phytoplancton et les "efflorescences" marines - Synthèse préliminaire.

Sournia, A., C. Belin, C. Billard, M. Catherine, E. Erard-Le Denn, J. Fresnel, P. Lassus, A. Pastoureaud and R. Soulard (1992). "The repetitive and expanding occurrence of a green, bloom-forming dinoflagellate (Dinophyceae) on the coasts of France." *Cryptogamie Algologie* **13**(1): 1-13.

Spackeen, J. L., R. E. Sipler, K. Xu, A. O. Tatters, N. G. Walworth, E. M. Bertrand, J. B. McQuaid, D. A. Hutchins, A. A. Allen and D. A. Bronk (2017). "Interactive effects of elevated temperature and CO<sub>2</sub> on nitrate, urea, and dissolved inorganic carbon uptake by a coastal California, USA, microbial community." *Marine Ecology Progress Series* **577**: 49-65.

Srivastava, D. S., M. Winter, L. J. Gross, J. P. Metzger, J. S. Baron, N. Mouquet, T. R. Meagher, B. S. Halpern and V. D. Pillar (2021). "Maintaining momentum for collaborative working groups in a post-pandemic world." *Nature Ecology & Evolution* **5**(9): 1188-1189.

Stauffer, B. A., A. G. Gellene, D. Rico, C. Sur and D. A. Caron (2018). "Grazing of the heterotrophic dinoflagellate Noctiluca scintillans on dinoflagellate and raphidophyte prey." *Aquatic Microbial Ecology* **80**(2): 193-207.

Steinfelder, H. J., I. Quentin and V. Ritz (2000). "A fast and sensitive technique to study the kinetics and the concentration dependencies of DNA fragmentation during drug-induced apoptosis." *Journal of Pharmacological and Toxicological Methods* **43**(1): 79-84.

Steinmetz, V., M. Villain-Gambier, A. Klem, I. Ziegler, S. Dumarcay and D. Trebouet (2020). "Lignin Carbohydrate Complexes structure preserved throughout downstream processes for their valorization after recovery from industrial process water." International Journal of Biological Macromolecules **157**: 726-733.

Stenlund, P., A. Frostell-Karlsson and O. P. Karlsson (2006). "Studies of small molecule interactions with protein phosphatases using biosensor technology." Analytical Biochemistry **353**(2): 217-225.

Stern, S. T., P. Zou, S. Skoczen, S. W. Xie, B. Liboiron, T. Harasym, P. Tardi, L. D. Mayer and S. E. McNeil (2013). "Prediction of nanoparticle prodrug metabolism by pharmacokinetic modeling of biliary excretion." Journal of Controlled Release **172**(2): 558-567.

Stevens, B., S. Bony, D. Farrell, F. Ament, A. Blyth, C. Fairall, J. Karstensen, P. K. Quinn, S. Speich, C. Acquistapace, F. Aemisegger, A. L. Albright, H. Bellenger, E. Bodenschatz, K.-A. Caesar, R. Chewitt-Lucas, G. de Boer, J. Delanoe, L. Denby, F. Ewald, B. Fildier, M. Forde, G. George, S. Gross, M. Hagen, A. Hausold, K. J. Heywood, L. Hirsch, M. Jacob, F. Jansen, S. Kinne, D. Klocke, T. Kolling, H. Konow, M. Lothon, W. Mohr, A. K. Naumann, L. Nuijens, L. Olivier, R. Pincus, M. Pohlker, G. Reverdin, G. Roberts, S. Schnitt, H. Schulz, A. P. Siebesma, C. C. Stephan, P. Sullivan, L. Touze-Peiffer, J. Vial, R. Vogel, P. Zuidema, N. Alexander, L. Alves, S. Arixi, H. Asmath, G. Bagheri, K. Baier, A. Bailey, D. Baranowski, A. Baron, S. Barrau, P. A. Barrett, F. Batier, A. Behrendt, A. Bendinger, F. Beucher, S. Bigorre, E. Blades, P. Blossey, O. Bock, S. Boing, P. Bosser, D. Bourras, P. Bouruet-Aubertot, K. Bower, P. Branellec, H. Branger, M. Brennek, A. Brewer, P. E. Brilouet, B. Brugmann, S. A. Buehler, E. Burke, R. Burton, R. Calmer, J.-C. Canonici, X. Carton, G. Cato, Jr., J. A. Charles, P. Chazette, Y. Chen, M. T. Chilinski, T. Choularton, P. Chuang, S. Clarke, H. Coe, C. Cornet, P. Coutris, F. Couvreux, S. Crewell, T. Cronin, Z. Cui, Y. Cuypers, A. Daley, G. M. Damerell, T. Dauhut, H. Deneke, J.-P. Desbios, S. Dorner, S. Donner, V. Douet, K. Drushka, M. Dutsch, A. Ehrlich, K. Emanuel, A. Emmanouilidis, J.-C. Etienne, S. Etienne-Leblanc, G. Faure, G. Feingold, L. Ferrero, A. Fix, C. Flamant, P. J. Flatau, G. R. Foltz, L. Forster, I. Furtuna, A. Gadian, J. Galewsy, M. Gallagher, P. Gallimore, C. Gaston, C. Gentemann, N. Geyskens, A. Giez, J. Gollop, I. Gouirand, C. Gourbeyre, D. de Graaf, G. E. de Groot, R. Grosz, J. Guttler, M. Gutleben, K. Hall, G. Harris, K. C. Helfer, D. Henze, C. Herbert, B. Holanda, A. Ibanez-Landeta, J. Intrieri, S. Iyer, F. Julien, H. Kalesse, J. Kazil, A. Kellman, A. T. Kidane, U. Kirchner, M. Klingebiel, M. Korner, L. A. Kremper, J. Kretzschmar, O. Kruger, W. Kumala, A. Kurz, P. L'Hegaret, M. Labaste, T. Lachlan-Cope, A. Laing, P. Landschutzer, T. Lang, D. Lange, I. Lange, C. Laplace, G. Lavik, R. Laxenaire, C. Le Bihan, M. Leandro, N. Lefevre, M. Lena, D. Lenschow, Q. Li, G. Lloyd, S. Los, N. Losi, O. Lovell, C. Luneau, P. Makuch, S. Malinowski, G. Manta, E. Marinou, N. Marsden, S. Masson, N. Maury, B. Mayer, M. Mayers-Als, C. Mazel, W. McGahey, J. C. McWilliams, M. Mech, M. Mehlmann, A. N. Meroni, T. Mieslinger, A. Minikin, P. Minnett, G. Moller, Y. M. Avalos, C. Muller, I. Musat, A. Napoli, A. Neuberger, C. Noisel, D. Noone, F. Nordsiek, J. L. Nowak, L. Oswald, D. J. Parker, C. Peck, R. Person, M. Philippi, A. Plueddemann, C. Pohlker, V. Portge, U. Poschl, L. Pologne, M. Posyniak, M. Prange, E. Q. Melendez, J. Radtke, K. Ramage, J. Reimann, L. Renault, K. Reus, A. Reyes, J. Ribbe, M. Ringel, M. Ritschel, C. B. Rocha, N. Rochetin, J. Rottenbacher, C. Rollo, H. Royer, P. Sadoulet, L. Saffin, S. Sandiford, I. Sandu, M. Schafer, V. Schemann, I. Schirmacher, O. Schlenczek, J. Schmidt, M. Schroder, A. Schwarzenboeck, A. Sealy, C. J. Senff, I. Serikov, S. Shohan, E. Siddle, A. Smirnov, F. Spath, B. Spooner, M. K. Stolla, W. Szkolka, S. P. de Szoëke, S. Tarot, E. Tettoni, E. Thompson, J. Thomson, L. Tomassini, J. Totems, A. A. Ubele, L. Villiger, J. von Arx, T. Wagner, A. Walther, B. Webber, M. Wendisch, S. Whitehall, A. Wiltshire, A. A. Wing, M. Wirth, J. Wiskandt, K. Wolf, L. Worbes, E. Wright, V. Wulfmeyer, S. Young, C. Zhang, D. Zhang, F. Ziemen, T. Zinner and M. Zoger (2021). "EUREC4A." Earth System Science Data **13**(8): 4067-4119.

Stewart, J. E. (2008). "Postconsumption domoic acid generation by the diatom Pseudo-nitzschia multiseries as a factor in depuration models." *Canadian Journal of Fisheries and Aquatic Sciences* **65**(9): 1797-1799.

Stewart, L. D., P. Hess, L. Connolly and C. T. Elliott (2009). "Development and Single-Laboratory Validation of a Pseudofunctional Biosensor Immunoassay for the Detection of the Okadaic Acid Group of Toxins." *Analytical Chemistry* **81**(24): 10208-10214.

Stickings, P., M. Peyre, L. Coombes, S. Muller, R. Rappuoli, G. Del Giudice, C. D. Partidos and D. Sesardic (2008). "Transcutaneous immunization with cross-reacting material CRM197 of diphtheria toxin boosts functional antibody levels in mice primed parenterally with adsorbed diphtheria toxoid vaccine?" *Infection and Immunity* **76**(4): 1766-1773.

Stonik, I. V., T. Y. Orlova, I. V. Chikalovets, N. A. Aizdaicher, A. I. Aleksanin, V. A. Kachur and T. V. Morozova (2019). "Pseudo-nitzschia species (Bacillariophyceae) and the domoic acid concentration in Pseudo-nitzschia cultures and bivalves from the northwestern Sea of Japan, Russia." *Nova Hedwigia* **108**(1-2): 73-93.

Strichartz, G. R., S. Hall, B. Magnani, C. Y. Hong, Y. Kishi and J. A. Debin (1995). "THE POTENCIES OF SYNTHETIC ANALOGS OF SAXITOXIN AND THE ABSOLUTE STEREOSELECTIVITY OF DECARBAMOYL SAXITOXIN." *Toxicon* **33**(6): 723-737.

Stromhaug, P. E., T. O. Berg, T. Gjoen and P. O. Seglen (1997). "Differences between fluid-phase endocytosis (pinocytosis) and receptor-mediated endocytosis in isolated rat hepatocytes." *European Journal of Cell Biology* **73**(1): 28-39.

Su, J. F., S. C. Shao, F. Ma, J. S. Lu and K. Zhang (2016). "Bacteriological control by *Raoultella* sp R11 on growth and toxins production of *Microcystis aeruginosa*." *Chemical Engineering Journal* **293**: 139-150.

Su, T. R., C. H. Chen, S. J. Huang, C. Y. Lee, M. C. Su, G. H. Chen, S. Y. Li, J. J. Yang and M. J. Lin (2009). "Functional study of the effect of phosphatase inhibitors on KCNQ4 channels expressed in Xenopus oocytes." *Acta Pharmacologica Sinica* **30**(9): 1220-1226.

Su, X. M., A. A. Steinman, M. Oudsema, M. Hassett and L. Q. Xie (2019). "The influence of nutrients limitation on phytoplankton growth and microcystins production in Spring Lake, USA." *Chemosphere* **234**: 34-42.

Suarez-Huerta, N., R. Lecocq, R. Mosselmans, P. Galand, J. E. Dumont and B. Robaye (2000). "Myosin heavy chain degradation during apoptosis in endothelial cells." *Cell Proliferation* **33**(2): 101-114.

Sueoka, N., M. Suganuma, E. Sueoka, S. Okabe, S. Matsuyama, K. Imai, K. Nakachi and H. Fujiki (2001). A new function of GreenTea: Prevention of lifestyle-related diseases. *Healthy Aging for Functional Longevity: Molecular and Cellular Interactions in Senescence*. S. C. Park, E. S. Hwang, H. S. Kim and W. Y. Park. New York, New York Acad Sciences. **928**: 274-280.

Suganuma, M., E. Sueoka, N. Sueoka, S. Okabe and H. Fujiki (2000). "Mechanisms of cancer prevention by tea polyphenols based on inhibition of TNF-alpha expression." *Biofactors* **13**(1-4): 67-72.

Sugiyama, M., A. Imai, T. Furui and T. Tamaya (2003). "Independent action of serine/threonine protein phosphatase in ovarian cancer plasma membrane and cytosol during gonadotropin-releasing hormone stimulation." Oncology Reports **10**(6): 1885-1889.

Sugiyama, M., A. Imai, T. Furui and T. Tamaya (2003). "Membrane-associated serine/threonine protein phosphatase in endometrial cancer." American Journal of Obstetrics and Gynecology **189**(6): 1666-1669.

Sugiyama, N., K. Konoki and K. Tachibana (2007). "Isolation and characterization of okadaic acid binding proteins from the marine sponge *Halichondria okadai*." Biochemistry **46**(40): 11410-11420.

Sukenik, A. and A. Kaplan (2021). "Cyanobacterial Harmful Algal Blooms in Aquatic Ecosystems: A Comprehensive Outlook on Current and Emerging Mitigation and Control Approaches." Microorganisms **9**(7): 24.

Sukenik, A., Y. Viner-Mozzini, M. Tavassi and S. Nir (2017). "Removal of cyanobacteria and cyanotoxins from lake water by composites of bentonite with micelles of the cation octadecyltrimethyl ammonium (ODTMA)." Water Research **120**: 165-173.

Sulaiman, S., M. Khamis, S. Nir, F. Lelario, L. Scrano, S. A. Bufo and R. Karaman (2014). "Stability and removal of dexamethasone sodium phosphate from wastewater using modified clays." Environmental Technology **35**(15): 1945-1955.

Sultemeyer, D., B. Klughammer, M. R. Badger and G. D. Price (1998). "Fast induction of high-affinity HCO<sub>3</sub><sup>-</sup> transport in cyanobacteria." Plant Physiology **116**(1): 183-192.

Sun, F. Y. and M. A. Handel (2008). "Regulation of the meiotic prophase I to metaphase I transition in mouse spermatocytes." Chromosoma **117**(5): 471-485.

Sun, J. L., L. J. Bu, L. Deng, Z. Shi and S. Q. Zhou (2018). "Removal of *Microcystis aeruginosa* by UV chlorine process: Inactivation mechanism and microcystins degradation." Chemical Engineering Journal **349**: 408-415.

Sun, P. F., C. Leeson, X. D. Zhi, F. F. Leng, R. H. Pierce, M. S. Henry and K. S. Rein (2016). "Characterization of an epoxide hydrolase from the Florida red tide dinoflagellate, *Karenia brevis*." Phytochemistry **122**: 11-21.

Sun, X., C. Wang and M. Ji (2017). "PRODUCTION AND RELEASE OF MICROCYSTIN-LR IN *MICROCYSTIS AERUGINOSA* TREATMENT USING CHEMICAL ALGICIDE." Fresenius Environmental Bulletin **26**(1A): 572-578.

Sunda, W. G. and K. W. Shertzer (2014). "Positive feedbacks between bottom-up and top-down controls promote the formation and toxicity of ecosystem disruptive algal blooms: A modeling study." Harmful Algae **39**: 342-356.

Sutak, R., J. M. Camadro and E. Lesuisse (2020). "Iron Uptake Mechanisms in Marine Phytoplankton." Frontiers in Microbiology **11**: 14.

Suzuki, T., T. Igarashi, K. Ichimi, M. Watai, M. Suzuki, E. Ogiso and T. Yasumoto (2005). "Kinetics of diarrhetic shellfish poisoning toxins, okadaic acid, dinophysistoxin-1, pectenotoxin-6 and yessotoxin in scallops *Patinopecten yessoensis*." Fisheries Science **71**(4): 948-955.

Suzuki, T., T. Jin, Y. Shirota, T. Mitsuya, Y. Okumura and T. Kamiyama (2005). "Quantification of lipophilic toxins associated with diarrhetic shellfish poisoning in Japanese bivalves by liquid chromatography-mass spectrometry and comparison with mouse bioassay." *Fisheries Science* **71**(6): 1370-1378.

Svensson, S. (2003). "Depuration of Okadaic acid (Diarrhetic Shellfish Toxin) in mussels, *Mytilus edulis* (Linnaeus), feeding on different quantities of nontoxic algae." *Aquaculture* **218**(1-4): 277-291.

Svensson, S. and L. Forlin (2004). "Analysis of the importance of lipid breakdown for elimination of okadaic acid (diarrhetic shellfish toxin) in mussels, *Mytilus edulis*: results from a field study and a laboratory experiment." *Aquatic Toxicology* **66**(4): 405-418.

Sweeney, F. P., M. Siczkowski, J. E. Davies, P. A. Quinn, J. McDonald, B. Krolewski, A. S. Krolewski and L. L. Ng (1995). "PHOSPHORYLATION AND ACTIVITY OF NA+/H+ EXCHANGER ISOFORM-1 OF IMMORTALIZED LYMPHOBLASTS IN DIABETIC NEPHROPATHY." *Diabetes* **44**(10): 1180-1185.

Syal, M. B., D. S. P. Dearborn and P. H. Schultz (2013). "Limits on the use of nuclear explosives for asteroid deflection." *Acta Astronautica* **90**(1): 103-111.

Sykes, A. V., E. Almansa, G. Ponte, G. M. Cooke and P. L. R. Andrews (2020). "Can Cephalopods Vomit? Hypothesis Based on a Review of Circumstantial Evidence and Preliminary Experimental Observations." *Frontiers in Physiology* **11**: 16.

Szlag, D. C., J. L. Sinclair, B. Southwell and J. A. Westrick (2015). "Cyanobacteria and Cyanotoxins Occurrence and Removal from Five High-Risk Conventional Treatment Drinking Water Plants." *Toxins* **7**(6): 2198-2220.

Takahashi, E., Q. Yu, G. Eaglesham, D. W. Connell, J. McBroom, S. Costanzo and G. R. Shaw (2007). "Occurrence and seasonal variations of algal toxins in water, phytoplankton and shellfish from North Stradbroke Island, Queensland, Australia." *Marine Environmental Research* **64**(4): 429-442.

Takai, A. and G. Mieskes (1991). "INHIBITORY EFFECT OF OKADAIC ACID ON THE PARA-NITROPHENYL PHOSPHATE PHOSPHATASE-ACTIVITY OF PROTEIN PHOSPHATASES." *Biochemical Journal* **275**: 233-239.

Takai, A., M. Murata, K. Torigoe, M. Isobe, G. Mieskes and T. Yasumoto (1992). "INHIBITORY EFFECT OF OKADAIC ACID-DERIVATIVES ON PROTEIN PHOSPHATASES - A STUDY ON STRUCTURE AFFINITY RELATIONSHIP." *Biochemical Journal* **284**: 539-544.

Takai, A., Y. Ohno, T. Yasumoto and G. Mieskes (1992). "ESTIMATION OF THE RATE CONSTANTS ASSOCIATED WITH THE INHIBITORY EFFECT OF OKADAIC ACID ON TYPE-2A PROTEIN PHOSPHATASE BY TIME-COURSE ANALYSIS." *Biochemical Journal* **287**: 101-106.

Takai, A., K. Sasaki, H. Nagai, G. Mieskes, M. Isobe, K. Isono and T. Yasumoto (1995). "INHIBITION OF SPECIFIC BINDING OF OKADAIC ACID TO PROTEIN PHOSPHATASE 2A BY MICROCYSTIN-LR, CALYCULIN-A AND TAUTOMYCIN - METHOD OF ANALYSIS OF INTERACTIONS OF TIGHT-BINDING LIGANDS WITH TARGET PROTEIN." *Biochemical Journal* **306**: 657-665.

Takati, N., D. Mountassif, H. Taleb and M. Blaghen (2005). DETERMINATION OF PROTEIN COMPLEXED PARALYTIC SHELLFISH POISONING. MECHANISM OF THE REMEDIATION

(DETOXIFICATION) OF CHEMICALS (PESTICIDE, HEAVY METALS, OTHER TOXIC CHEMICAL COMPOUNDS) - Purification and characterization of paralytic shellfish poison binding protein from acanthocardia tuberculatum. Conference of the NATO-Advanced-Study-Institute on Chemicals as Intentional and Accidental Global Environmental Threats, Borovets, BULGARIA, Springer.

Taleb, H., P. Vale, E. Jaime and M. Blaghen (2001). "Study of paralytic shellfish poisoning toxin profile in shellfish from the Mediterranean shore of Morocco." Toxicon **39**(12): 1855-1861.

Talic, S., D. Skobic, A. Dedic, N. Nazlic, I. Ujevic, A. Ivankovic and M. Pavela-Vrancic (2020). "The occurrence of lipophilic toxins in shellfish from the Middle Adriatic Sea." Toxicon **186**: 19-25.

Talkar, S. S., P. B. Kharkar and V. B. Patravale (2020). "Docetaxel Loaded Pomegranate Seed Oil Based Nanostructured Lipid Carriers: A Potential Alternative to Current Formulation." Aaps Pharmscitech **21**(8): 11.

Tamma, G., D. Lasorsa, C. Trimpert, M. Ranieri, A. Di Mise, M. G. Mola, L. Mastrofrancesco, O. Devuyst, M. Svelto, P. M. T. Deen and G. Valenti (2014). "A Protein Kinase A-Independent Pathway Controlling Aquaporin 2 Trafficking as a Possible Cause for the Syndrome of Inappropriate Antidiuresis Associated with Polycystic Kidney Disease 1 Haploinsufficiency." Journal of the American Society of Nephrology **25**(10): 2241-2253.

Tammilehto, A., T. G. Nielsen, B. Krock, E. F. Moller and N. Lundholm (2012). "Calanus spp.-Vectors for the biotoxin, domoic acid, in the Arctic marine ecosystem?" Harmful Algae **20**: 165-174.

Tan, B., C. Ng, J. P. Nshimyimana, L. L. Loh, K. Y. H. Gin and J. R. Thompson (2015). "Next-generation sequencing (NGS) for assessment of microbial water quality: current progress, challenges, and future opportunities." Frontiers in Microbiology **6**: 20.

Tan, K. S. and J. Ransangan (2015). Factors Influencing the Toxicity, Detoxification and Biotransformation of Paralytic Shellfish Toxins. Reviews of Environmental Contamination and Toxicology, Vol 235. D. M. Whitacre. Cham, Springer International Publishing Ag. **235**: 1-25.

Tang, X. M., L. E. Krausfeldt, K. Q. Shao, G. R. LeCleir, J. M. A. Stough, G. Gao, G. L. Boyer, Y. L. Zhang, H. W. Paerl, B. Q. Qin and S. W. Wilhelm (2018). "Seasonal Gene Expression and the Ecophysiological Implications of Toxic *Microcystis aeruginosa* Blooms in Lake Taihu." Environmental Science & Technology **52**(19): 11049-11059.

Tang, Y. Y., H. Y. Zhang, Y. Wang, C. Q. Fan and X. S. Shen (2021). "Combined Effects of Temperature and Toxic Algal Abundance on Paralytic Shellfish Toxic Accumulation, Tissue Distribution and Elimination Dynamics in Mussels *Mytilus coruscus*." Toxins **13**(6): 14.

Tang, Z., J. Qiu, G. Wang, Y. Li, P. Hess and A. Li (2021). "Development of an Efficient Extraction Method for Harvesting Gymnodimine-A from Large-Scale Cultures of *Karenia selliformis*." Toxins **13**(11).

Tang, Z. Y. (2000). "Hepatocellular carcinoma." Journal of Gastroenterology and Hepatology **15**: G1-G7.

Taris, N., S. Baron, T. Sharbel, C. Sauvage and P. Boudry (2005). "A combined microsatellite multiplexing and boiling DNA extraction method for high-throughput parentage analyses in the Pacific oyster (*Crassostrea gigas*)."Aquaculture Research **36**(5): 516-518.

Taris, N., C. Sauvage, F. Batista, S. Baron, B. Ernande, P. Haffray and P. Boudry (2006). Conséquences génétiques de la production de larves d'huîtres en écloserie : étude des processus de dérive et de sélection. 6eme colloque national La Rochelle, 2- 4 octobre 2006 Les actes du colloque.

Tatters, A. O., J. Smith, R. M. Kudela, K. Hayashi, M. D. A. Howard, A. R. Donovan, K. A. Loftin and D. A. Caron (2021). "The tide turns: Episodic and localized cross-contamination of a California coastline with cyanotoxins." Harmful Algae **103**: 13.

Taybi, T. and J. C. Cushman (1999). "Signaling events leading to Crassulacean acid metabolism induction in the common ice plant." Plant Physiology **121**(2): 545-555.

Teegarden, G. J. and A. D. Cembella (1996). "Grazing of toxic dinoflagellates, *Alexandrium* spp, by adult copepods of coastal Maine: Implications for the fate of paralytic shellfish toxins in marine food webs." Journal of Experimental Marine Biology and Ecology **196**(1-2): 145-176.

Teegarden, G. J., A. D. Cembella, C. L. Capuano, S. H. Barron and E. G. Durbin (2003). "Phycotoxin accumulation in zooplankton feeding on *Alexandrium fundyense* - vector or sink?" Journal of Plankton Research **25**(4): 429-443.

Teesson, M., A. Havard, S. Fairbairn, J. Ross, M. Lynskey and S. Darke (2005). "Depression among entrants to treatment for heroin dependence in the Australian Treatment Outcome Study (ATOS): prevalence, correlates and treatment seeking." Drug and Alcohol Dependence **78**(3): 309-315.

Teesson, M., A. Havard, J. Ross and S. Darke (2006). "Outcomes after detoxification for heroin dependence: findings from the Australian Treatment Outcome Study (ATOS)." Drug and Alcohol Review **25**(3): 241-247.

Teixeira, M. R. and M. J. Rosa (2006). "Comparing dissolved air flotation and conventional sedimentation to remove cyanobacterial cells of *Microcystis aeruginosa* Part 1: The key operating conditions." Separation and Purification Technology **52**(1): 84-94.

Tekchandani, P., B. D. Kurmi, R. Paliwal and S. R. Paliwal (2020). "Galactosylated TPGS Micelles for Docetaxel Targeting to Hepatic Carcinoma: Development, Characterization, and Biodistribution Study." Aaps Pharmscitech **21**(5): 11.

Terlau, H., M. Stocker, K. J. Shon, J. M. McIntosh and B. M. Olivera (1996). " $\mu$  O-conotoxin MrVIA inhibits mammalian sodium channels, but not through site I." Journal of Neurophysiology **76**(3): 1423-1429.

Tessier, S., D. Godreau, R. Vranckx, L. Lang-Lazdunski, J. J. Mercadier and S. N. Hatem (2001). "Cumulative inactivation of the outward potassium current: a likely mechanism underlying electrical memory in human atrial myocytes." Journal of Molecular and Cellular Cardiology **33**(4): 755-767.

Teste, V., J. F. Briand, B. C. Nicholson and S. Puiseux-Dao (2002). "Comparison of changes in toxicity during growth of *Anabaena circinalis* (cyanobacteria) determined by mouse neuroblastoma bioassay and HPLC." Journal of Applied Phycology **14**(5): 399-407.

Thayer, K. A., R. L. Ruhlen, K. L. Howdeshell, D. L. Buchanan, P. S. Cooke, D. Preziosi, W. V. Welshons, J. Haseman and F. S. vom Saal (2001). "Altered prostate growth and daily sperm

production in male mice exposed prenatally to subclinical doses of 17 alpha-ethinyl oestradiol." Human Reproduction **16**(5): 988-996.

Theron, C. N., A. S. Devilliers and J. J. F. Taljaard (1993). "EFFECTS OF DSP-4 ON MONOAMINE AND MONOAMINE METABOLITE LEVELS AND ON BETA-ADRENOCEPTOR BINDING-KINETICS IN RAT-BRAIN AT DIFFERENT TIMES AFTER ADMINISTRATION." Neurochemical Research **18**(12): 1321-1327.

Thiel, G. and M. R. Blatt (1994). "PHOSPHATASE ANTAGONIST OKADAIC ACID INHIBITS STEADY-STATE K<sup>+</sup> CURRENTS IN GUARD-CELLS OF Vicia-faba." Plant Journal **5**(5): 727-733.

Thotakura, N., G. Sharma, B. Singh, V. Kumar and K. Raza (2018). "Aspartic acid derivatized hydroxylated fullerenes as drug delivery vehicles for docetaxel: an explorative study." Artificial Cells Nanomedicine and Biotechnology **46**(8): 1763-1772.

Tian, J., Y. Z. Min, Z. Rodgers, X. M. Wan, H. Qiu, Y. Mi, X. Tian, K. T. Wagner, J. M. Caster, Y. F. Qi, K. Roche, T. Zhang, J. J. Cheng and A. Z. Wang (2017). "Nanoparticle delivery of chemotherapy combination regimen improves the therapeutic efficacy in mouse models of lung cancer." Nanomedicine-Nanotechnology Biology and Medicine **13**(3): 1301-1307.

Tibiriçá, C. E. J. A., I. P. Leite, T. V. V. Batista, L. F. Fernandes, N. Chomérat, F. Herve, P. Hess and L. Mafra (2019). "Ostreopsis cf. ovata Bloom in Currais, Brazil: Phylogeny, Toxin Profile and Contamination of Mussels and Marine Plastic Litter." Toxins **11**(8).

Tibiriçá, C. E. J. D. A., M. Sibat, L. F. Fernandes, G. Bilien, N. Chomérat, P. Hess and L. L. Mafra (2020). "Diversity and Toxicity of the Genus Coolia Meunier in Brazil, and Detection of 44-Methyl Gambierone in Coolia tropicalis." Toxins **12**(5).

Tichadou, L., M. Glaizal, A. Armengaud, H. Grossel, R. Lemee, R. Kantin, J. L. Lasalle, G. Drouet, L. Rambaud, P. Malfait and L. de Haro (2010). "Health impact of unicellular algae of the Ostreopsis genus blooms in the Mediterranean Sea: experience of the French Mediterranean coast surveillance network from 2006 to 2009." Clinical Toxicology **48**(8): 839-844.

Tomaselli, G. F., N. Chiamvimonvat, H. B. Nuss, J. R. Balser, M. T. Perezgarcia, R. H. Xu, D. W. Orias, P. H. Backx and E. Marban (1995). "A MUTATION IN THE PORE OF THE SODIUM-CHANNEL ALTERS GATING." Biophysical Journal **68**(5): 1814-1827.

Tong, M., D. M. Kulis, E. Fux, J. L. Smith, P. Hess, Q. Zhou and D. M. Anderson (2011). "The effects of growth phase and light intensity on toxin production by Dinophysis acuminata from the northeastern United States." Harmful Algae **10**(3): 254-264.

Tong, M. M., J. L. Smith, D. M. Kulis and D. M. Anderson (2015). "Role of dissolved nitrate and phosphate in isolates of Mesodinium rubrum and toxin-producing Dinophysis acuminata." Aquatic Microbial Ecology **75**(2): 169-185.

Torgersen, T., S. Lindegarth, A. Ungfors and M. Sandvik (2008). "Profiles and levels of fatty acid esters of okadaic acid group toxins and pectenotoxins during toxin depuration, Part I: Brown crab (Cancer pagurus)." Toxicon **52**(3): 407-417.

Touzet, N., K. Davidson, R. Pete, K. Flanagan, G. R. McCoy, Z. Amzil, M. Maher, A. Chapelle and R. Raine (2010). "Co-Occurrence of the West European (Gr.III) and North American (Gr.I) Ribotypes of *Alexandrium tamarense* (Dinophyceae) in Shetland, Scotland." Protist **161**(3): 370-384.

Touzet, N., J. P. Lacaze, M. Maher, E. Turrell and R. Raine (2011). "Summer dynamics of *Alexandrium ostenfeldii* (Dinophyceae) and spirolide toxins in Cork Harbour, Ireland." Marine Ecology Progress Series **425**: 21-33.

Trapp, A., J. Heuschele and E. Selander (2021). "Eavesdropping on plankton-can zooplankton monitoring improve forecasting of biotoxins from harmful algae blooms?" Limnology and Oceanography **66**(9): 3455-3471.

Tredano, M., J. de Blic, M. Griese, J. C. Fournet, J. Elion and M. Bahauau (2001). "Clinical, biological and genetic heterogeneity of the inborn errors of pulmonary surfactant metabolism: SP-B deficiency and alveolar proteinosis." Annales De Biologie Clinique **59**(2): 131-148.

Trellu, J., H. Ceccaldi, P. Maggi and P. Lassus (1978). Variations des zymogrammes esterasiques chez les larves de *Palaemon serratus* (Pennant) soumises à différents chocs thermiques.

Trofimova, M. S., I. N. Smolenskaya, A. V. Drabkin, A. V. Galkin and A. V. Babakov (1997). "Does plasma membrane H<sup>+</sup>-ATPase activation by fusicoccin involve protein kinase?" Physiologia Plantarum **99**(2): 221-226.

Truquet, I., P. Lassus, P. Truquet and P. Maggi (1985). Influence de la température et de la salinité sur les perturbations phytoplanctoniques observées dans le Mor Bras en 1983 et 1984.

Truquet, P., P. Lassus, G. Honsell and L. Le Dean (1996). "Application of a digital pattern recognition system to *Dinophysis acuminata* and *D-sacculus* complexes." Aquatic Living Resources **9**(3): 273-279.

Tsai, K. P., H. Uzun, T. Karanfil and A. T. Chow (2017). "Dynamic Changes of Disinfection Byproduct Precursors following Exposures of *Microcystis aeruginosa* to Wildfire Ash Solutions." Environmental Science & Technology **51**(15): 8272-8282.

Turnbull, A., N. Malhi, A. Seger, T. Harwood, J. Jolley, Q. Fitzgibbon and G. Hallegraeff (2020). "Paralytic shellfish toxin uptake, tissue distribution, and depuration in the Southern Rock Lobster *Jasus edwardsii* Hutton." Harmful Algae **95**: 9.

Turner, T. J. and K. Dunlap (1995). "PROLONGED TIME-COURSE OF GLUTAMATE RELEASE FROM NERVE-TERMINALS - RELATIONSHIP BETWEEN STIMULUS-DURATION AND THE SECRETORY EVENT." Journal of Neurochemistry **64**(5): 2022-2033.

Tuzuner, A., S. Akdagli, T. Sen, S. Demirci, N. Tarimci and R. Caylan (2015). "An objective analysis of sebum, pH and moisture levels of the external ear canal skin." American Journal of Otolaryngology **36**(3): 424-428.

Twiner, M., P. Hess, M. Dechraoui, T. McMahon, M. Samons, M. Satake, T. Yasumoto, J. Ramsdell and G. Doucette (2005). "Cytotoxic and cytoskeletal effects of azaspiracid-1 on mammalian cell lines." Toxicology **45**(7): 891-900.

Twiner, M. J., N. Rehmann, P. Hess and G. J. Doucette (2008). "Azaspiracid shellfish poisoning: A review on the chemistry, ecology, and toxicology with an emphasis on human health impacts." *Marine Drugs* **6**(2): 39-72.

Twiner, M. J., J. C. Ryan, J. S. Morey, K. J. Smith, S. M. Hammad, F. M. Van Dolah, P. Hess, T. McMahon, M. Satake, T. Yasumoto and G. J. Doucette (2008). "Transcriptional profiling and inhibition of cholesterol biosynthesis in human T lymphocyte cells by the marine toxin azaspiracid." *Genomics* **91**(3): 289-300.

Ufelmann, H. and D. Schrenk (2015). "Nodularin-triggered apoptosis and hyperphosphorylation of signaling proteins in cultured rat hepatocytes." *Toxicology in Vitro* **29**(1): 16-26.

Upadhyay, N., D. Kar and S. Datta (2020). "A multidrug and toxic compound extrusion (MATE) transporter modulates auxin levels in root to regulate root development and promotes aluminium tolerance." *Plant Cell and Environment* **43**(3): 745-759.

Upadhyay, N., D. Kar, B. D. Mahajan, S. Nanda, R. Rahiman, N. Panchakshari, L. Bhagavatula and S. Datta (2019). "The multitasking abilities of MATE transporters in plants." *Journal of Experimental Botany* **70**(18): 4643-4656.

Urosevic, J. V., S. Z. Drmanic, J. B. Nikolic, I. O. Juranic and B. Z. Jovanovic (2013). "Structure-reactivity correlation for the kinetics of the formation reaction of 4-(substituted phenyl)-1,4-dihydropyridines." *Journal of the Serbian Chemical Society* **78**(12): 1963-1973.

Valdiglesias, V., B. Laffon, E. Pasaro and J. Mendez (2011). "Okadaic acid induces morphological changes, apoptosis and cell cycle alterations in different human cell types." *Journal of Environmental Monitoring* **13**(6): 1831-1840.

Valdivia, C. R., W. W. Chu, J. L. Pu, J. D. Foell, R. A. Haworth, M. R. Wolff, T. J. Kamp and J. C. Makielski (2005). "Increased late sodium current in myocytes from a canine heart failure model and from failing human heart." *Journal of Molecular and Cellular Cardiology* **38**(3): 475-483.

Vale, C., K. C. Nicolaou, M. O. Frederick, M. R. Vieytes and L. M. Botana (2010). "Cell Volume Decrease as a Link between Azaspiracid-Induced Cytotoxicity and c-Jun-N-Terminal Kinase Activation in Cultured Neurons." *Toxicological Sciences* **113**(1): 158-168.

Vale, C., C. Wandscheer, K. C. Nicolaou, M. O. Frederick, C. Alfonso, M. R. Vieytes and L. M. Botana (2008). "Cytotoxic effect of azaspiracid-2 and azaspiracid-2-methyl ester in cultured neurons: Involvement of the c-Jun N-terminal kinase." *Journal of Neuroscience Research* **86**(13): 2952-2962.

Vale, P. (2004). "Differential dynamics of dinophysistoxins and pectenotoxins between blue mussel and common cockle: a phenomenon originating from the complex toxin profile of *Dinophysis acuta*." *Toxicon* **44**(2): 123-134.

Vale, P. (2006). "Differential dynamics of dinophysistoxins and pectenotoxins, part II: Offshore bivalve species." *Toxicon* **47**(2): 163-173.

Vale, P., M. Antonia and M. Sampayo (1999). "Esters of okadaic acid and dinophysistoxin-2 in Portuguese bivalves related to human poisonings." *Toxicon* **37**(8): 1109-1121.

Vale, P., R. Bire and P. Hess (2008). "Confirmation by LC-MS/MS of azaspiracids in shellfish from the Portuguese north-western coast." Toxicon **51**(8): 1449-1456.

Valencia, P. L., B. Sepulveda, D. Gajardo and C. Astudillo-Castro (2020). "Estimating the Product Inhibition Constant from Enzyme Kinetic Equations Using the Direct Linear Plot Method in One-Stage Treatment." Catalysts **10**(8): 10.

Valenti, G., G. Procino, M. Carmosino, A. Frigeri, R. Mannucci, I. Nicoletti and M. Svelto (2000). "The phosphatase inhibitor okadaic acid induces AQP2 translocation independently from AQP2 phosphorylation in renal collecting duct cells." Journal of Cell Science **113**(11): 1985-1992.

Valentine, T. E. and J. T. Mihalczo (1996). "MCNP-DSP: A neutron and gamma ray Monte Carlo calculation of source-driven noise-measured parameters." Annals of Nuclear Energy **23**(16): 1271-1287.

Valentine, T. E. and J. T. Mihalczo (1997). "Validation of the Monte Carlo code MCNP-DSP." Annals of Nuclear Energy **24**(2): 79-98.

Vallicelli, E. A., A. Baschirotto, S. Lehrack, W. Assmann, K. Parodi, S. Viola, G. Riccobene, M. De Matteis and Ieee (2019). Mixed-Signal Ionoacoustic Analog Front-End for Proton Range Verification with 24 mu m Precision at 0.8 Gy Bragg Peak Dose. 26th IEEE International Conference on Electronics, Circuits and Systems (ICECS), Genoa, ITALY, Ieee.

Van Buynder, P. G., T. Oughtred, B. Kirkby, S. Phillips, G. Eaglesham, K. Thomas and M. Burch (2001). "Nodularin uptake by seafood during a cyanobacterial bloom." Environmental Toxicology **16**(6): 468-471.

van der Merwe, D., L. Sebbag, J. C. Nietfeld, M. T. Aubel, A. Foss and E. Carney (2012). "Investigation of a *Microcystis aeruginosa* cyanobacterial freshwater harmful algal bloom associated with acute microcystin toxicosis in a dog." Journal of Veterinary Diagnostic Investigation **24**(4): 679-687.

Van Hemert, C., S. K. Schoen, R. W. Litaker, M. M. Smith, M. L. Arimitsu, J. F. Piatt, W. C. Holland, D. R. Hardison and J. M. Pearce (2020). "Algal toxins in Alaskan seabirds: Evaluating the role of saxitoxin and domoic acid in a large-scale die-off of Common Murres." Harmful Algae **92**: 9.

van Lunteren, E. and R. M. Snajdar (1999). "Attenuation of rat diaphragm low-frequency fatigue by vanadate in vitro." Respiration Physiology **117**(2-3): 121-130.

Van Meerssche, E. and J. L. Pinckney (2019). "Nutrient Loading Impacts on Estuarine Phytoplankton Size and Community Composition: Community-Based Indicators of Eutrophication." Estuaries and Coasts **42**(2): 504-512.

Van Wambeke, F., U. Pfreundt, A. Barani, H. Berthelot, T. Moutin, M. Rodier, W. R. Hess and S. Bonnet (2016). "Heterotrophic bacterial production and metabolic balance during the VAHINE mesocosm experiment in the New Caledonia lagoon." Biogeosciences **13**(11): 3187-3202.

Vandanjon, L., L. Vallet, P. Deleris, P. Bourseau, R. Baron and J. Dumay (2016). Extraction of molecules from brown macroalgae *Sargassum muticum* by enzymatic hydrolysis improved by the use of surfactants. OCEANEXT, Interdisciplinary Conference. 8-10 juin 2016, Nantes, France.

- Vandanjon, L., L. Vallet, T. Le Glatin, P. Deleris, R. Baron, P. Bourseau and J. Dumay (2016). "Valorization of the Macroalgae Sargassum Muticum by Enzymatic Hydrolysis, Interest of Surfactants to Improve the Extraction of Phlorotannins and Polysaccharides." Journal of Marine Biology and Aquaculture **2**(1): 1-7.
- Vannah, B. and N. B. Chang (2013). Fusion of Hyperspectral Remote Sensing Data for Near Real-time Monitoring of Microcystin Distribution in Lake Erie. Conference on Satellite Data Compression, Communications, and Processing IX, San Diego, CA, Spie-Int Soc Optical Engineering.
- Vanquy, L., C. Foyer and M. L. Champigny (1991). "EFFECT OF LIGHT AND NO<sub>3</sub>- ON WHEAT LEAF PHOSPHOENOLPYRUVATE CARBOXYLASE ACTIVITY - EVIDENCE FOR COVALENT MODULATION OF THE C3 ENZYME." Plant Physiology **97**(4): 1476-1482.
- Vareltzis, P. and I. Undeland (2008). "Removal of lipids and diarrhetic shellfish poisoning toxins from blue mussels (*Mytilus edulis*) during acid and alkaline isolation of proteins." Journal of Agricultural and Food Chemistry **56**(10): 3675-3681.
- Varshosaz, J., S. Enteshari, F. Hassanzadeh, B. Hashemi-Beni, M. Minaiyan and R. Mirsafaei (2018). "Synthesis, in vitro characterization, and anti-tumor effects of novel polystyrene-poly(amide-ether-ester-imide) co-polymeric micelles for delivery of docetaxel in breast cancer in Balb/C mice." Drug Development and Industrial Pharmacy **44**(7): 1139-1157.
- Vasconcelos, V., J. Azevedo, M. Silva and V. Ramos (2010). "Effects of Marine Toxins on the Reproduction and Early Stages Development of Aquatic Organisms." Marine Drugs **8**(1): 59-79.
- Vauchel, P., A. Arhaliass, J. Legrand, R. Baron and R. Kaas (2012). Extrusion-Assisted Extraction : Alginate Extracxtion from Macroalgae by Extrusion Process, CRC Press.
- Vauchel, P., A. Arhaliass, J. Legrand, R. Kaas and R. Baron (2008). "Decrease in dynamic viscosity and average molecular weight of alginate from *Laminaria digitata* during alkaline extraction." Journal of Phycology **44**(2): 515-517.
- Vauchel, P., R. Baron, R. Kaas, A. Arhaliass and J. Legrand (2006). A new model to predict residence time distribution in extrusion process. 4th International Conference on Simulation and Modelling in the Food and Bio Industry (FOODSIM 2006), Naples, ITALY, JUN 15-17, 2006.
- Vauchel, P., R. Kaas, A. Arhaliass, R. Baron and J. Legrand (2008). "A New Process for Extracting Alginates from *Laminaria digitata*: Reactive Extrusion." Food and Bioprocess Technology **1**(3): 297-300.
- Vauchel, P., K. Le Roux, R. Kaas, A. Arhaliass, R. Baron and J. Legrand (2009). "Kinetics modeling of alginate alkaline extraction from *Laminaria digitata*." Bioresource Technology **100**(3): 1291-1296.
- Velzeboer, R. M. A., P. D. Baker and J. Rositano (2001). "Saxitoxins associated with the growth of the cyanobacterium *Anabaena circinalis* (Nostocales, Cyanophyta) under varying sources and concentrations of nitrogen." Phycologia **40**(3): 305-312.
- Velzeboer, R. M. A., P. D. Baker, J. Rositano, T. Hereszty, G. A. Codd and S. L. Raggett (2000). "Geographical patterns of occurrence and composition of saxitoxins in the cyanobacterial genus *Anabaena* (Nostocales, Cyanophyta) in Australia." Phycologia **39**(5): 395-407.

Venant, A., A. C. Dazy, G. Diogene and F. Marano (1995). "Differential effects of maitotoxin on calcium entry and ciliary beating in the rabbit ciliated tracheal epithelium." Biology of the Cell **85**(2-3): 197-205.

Ventoso, P., A. J. Pazos, J. Blanco, M. L. Perez-Paralle, J. C. Trivino and J. L. Sanchez (2021). "Transcriptional Response in the Digestive Gland of the King Scallop (*Pecten maximus*) After the Injection of Domoic Acid." Toxins **13**(5): 21.

Ventoso, P., A. J. Pazos, M. L. Perez-Paralle, J. Blanco, J. C. Trivino and J. L. Sanchez (2019). "RNA-Seq Transcriptome Profiling of the Queen Scallop (*Aequipecten opercularis*) Digestive Gland after Exposure to Domoic Acid-Producing *Pseudo-nitzschia*." Toxins **11**(2): 26.

Verhage, M., J. J. H. Hens, P. N. E. DeGraan, F. Boomsma, V. M. Wiegant, F. H. L. daSilva, W. H. Gispen and W. Ghijsen (1995). "Ba<sup>2+</sup> replaces Ca<sup>2+</sup>/calmodulin in the activation of protein phosphatases and in exocytosis of all major transmitters." European Journal of Pharmacology-Molecular Pharmacology Section **291**(3): 387-398.

Viana-Veronezi, M., A. Giani, C. D. Melo and M. Libanio (2009). "Saxitoxins removal evaluation by means of the drinking-water treatment processes." Engenharia Sanitaria E Ambiental **14**(2): 193-204.

Vieira, A. C., J. A. Rubiolo, H. Lopez-Alonso, J. M. Cifuentes, A. Alfonso, R. Bermudez, P. Otero, M. R. Vieytes, F. V. Vega and L. M. Botana (2013). "Oral Toxicity of Okadaic Acid in Mice: Study of Lethality, Organ Damage, Distribution and Effects on Detoxifying Gene Expression." Toxins **5**(11): 2093-2108.

Vijayaraghavan, S., D. T. Stephens, K. Trautman, G. D. Smith, B. Khatra, E. Silva and P. Greengard (1996). "Sperm motility development in the epididymis is associated with decreased glycogen synthase kinase-3 and protein phosphatase 1 activity." Biology of Reproduction **54**(3): 709-718.

Vilar, M. C. P. and R. J. R. Molica (2020). "Changes in pH and dissolved inorganic carbon in water affect the growth, saxitoxins production and toxicity of the cyanobacterium *Raphidiopsis raciborskii* ITEX-A1." Harmful Algae **97**: 10.

Vilarino, N., E. S. Fonfria, M. C. Louzao and L. M. Botana (2009). "Use of Biosensors as Alternatives to Current Regulatory Methods for Marine Biotoxins." Sensors **9**(11): 9414-9443.

Vilarino, N., K. C. Nicolaou, M. O. Frederick, E. Cagide, C. Alfonso, E. Alonso, M. R. Vieytes and L. M. Botana (2008). "Azaspiracid substituent at C1 is relevant to in vitro toxicity." Chemical Research in Toxicology **21**(9): 1823-1831.

Vilarino, N., K. C. Nicolaou, M. O. Frederick, M. R. Vieytes and L. M. Botana (2007). "Irreversible cytoskeletal disarrangement is independent of caspase activation during in vitro azaspiracid toxicity in human neuroblastoma cells." Biochemical Pharmacology **74**(2): 327-335.

Villacorte, L. O., S. A. A. Tabatabai, D. M. Anderson, G. L. Amy, J. C. Schippers and M. D. Kennedy (2015). "Seawater reverse osmosis desalination and (harmful) algal blooms." Desalination **360**: 61-80.

Villalobos, L. G., N. H. Santinelli, A. V. Sastre, G. Marino and G. O. Almandoz (2019). "Spatiotemporal distribution of paralytic shellfish poisoning (PSP) toxins in shellfish from Argentine Patagonian coast." *Heliyon* **5**(6): 9.

Villalobos, L. L. G., J. L. Tobke, N. G. Montoya, N. H. Santinelli and M. N. Gil (2020). "Experimental exposure of the mussel *Mytilus platensis* (d'Orbigny, 1842) to the dinoflagellate *Alexandrium catenella* from Argentine Patagonia." *Ecotoxicology* **29**(2): 226-235.

Villar-Alvarez, E., A. Cambon, A. Pardo, L. Arellano, A. V. Marcos, B. Pelaz, P. del Pino, A. B. Mosquera, V. X. Mosquera, A. Almodlej, G. Prieto, S. Barbosa and P. Taboada (2019). "Combination of light-driven co-delivery of chemodrugs and plasmonic-induced heat for cancer therapeutics using hybrid protein nanocapsules." *Journal of Nanobiotechnology* **17**(1): 19.

Vione, D. and F. L. Rosario-Ortiz (2021). "Foreseen Effects of Climate-Impacted Scenarios on the Photochemical Fate of Selected Cyanotoxins in Surface Freshwaters." *Environmental Science & Technology* **55**(16): 10928-10934.

Visser, P. M., J. M. H. Verspagen, G. Sandrini, L. J. Stal, H. C. P. Matthijs, T. W. Davis, H. W. Paerl and J. Huisman (2016). "How rising CO<sub>2</sub> and global warming may stimulate harmful cyanobacterial blooms." *Harmful Algae* **54**: 145-159.

Vogelsberg, V., N. H. Neff and M. Hadjiconstantinou (1997). "Cyclic AMP-mediated enhancement of high-affinity choline transport and acetylcholine synthesis in brain." *Journal of Neurochemistry* **68**(3): 1062-1070.

Voitl, A., A. Butte and M. Morbidelli (2010). "Behavior of human serum albumin on strong cation exchange resins: I. Experimental analysis." *Journal of Chromatography A* **1217**(34): 5484-5491.

Voitl, A., A. Butte and M. Morbidelli (2010). "Behavior of human serum albumin on strong cation exchange resins: II. Model analysis." *Journal of Chromatography A* **1217**(34): 5492-5500.

Vyawahare, V. A., G. Datkhile, P. Kadam and G. Espinosa-Paredes (2021). "Closed-loop controller design, stability analysis and hardware implementation for fractional neutron point kinetics model." *Nuclear Engineering and Technology* **53**(2): 688-694.

Vyshedskiy, A., K. R. Delaney and J. W. Lin (1998). "Neuromodulators enhance transmitter release by two separate mechanisms at the inhibitor of crayfish opener muscle." *Journal of Neuroscience* **18**(14): 5160-5169.

Wachtel, R. E., S. A. Kraske and M. A. Yorek (1995). "SODIUM-CHANNELS IN CULTURED NEUROBLASTOMA-CELLS GROWN IN HIGH GLUCOSE OR L-FUCOSE." *Journal of Membrane Biology* **145**(2): 187-192.

Wada, H. G., S. R. Indelicato, L. Meyer, T. Kitamura, A. Miyajima, G. Kirk, V. C. Muir and J. W. Parce (1993). "GM-CSF TRIGGERS A RAPID, GLUCOSE DEPENDENT EXTRACELLULAR ACIDIFICATION BY TF-1 CELLS - EVIDENCE FOR SODIUM PROTON ANTIPORTER AND PKC MEDIATED ACTIVATION OF ACID PRODUCTION." *Journal of Cellular Physiology* **154**(1): 129-138.

Wagner, H. H. and W. Ulbricht (1975). "KINETICS OF SAXITOXIN-TETRODOTOXIN INTERACTION AT RANVIER NODES." *Pflugers Archiv-European Journal of Physiology* **355**: R68-R68.

Wagstaff, B., J. Pratscher, P. P. L. Rivera, E. S. Hems, E. Brooks, M. Rejzek, J. D. Todd, J. C. Murrell and R. A. Field "Assessing the Toxicity and Mitigating the Impact of Harmful Prymnium Blooms in Eutrophic Waters of the Norfolk Broads." Environmental Science & Technology: 14.

Wali, R. K., M. Bissonnette, K. Jiang, S. M. Niedziela, S. Khare, H. K. Roy, M. D. Sitrin and T. A. Brasitus (1995). "1,25-DIHYDROXYVITAMIN D-3 STIMULATES THE PHOSPHORYLATION OF 2 ACIDIC MEMBRANE-PROTEINS OF 42,000 AND 48,000 DALTONS IN RAT COLONOCYTES - AN EFFECT MODULATED BY VITAMIN-D STATUS." Journal of Cellular Physiology **162**(2): 172-180.

Walsh, J. J., J. M. Lenes, B. Darrow, A. Parks and R. H. Weisberg (2016). "Impacts of combined overfishing and oil spills on the plankton trophodynamics of the West Florida shelf over the last half century of 1965-2011: A two-dimensional simulation analysis of biotic state transitions, from a zooplankton- to a bacterioplankton-modulated ecosystem." Continental Shelf Research **116**: 54-73.

Walsh, J. J., J. M. Lenes, B. P. Darrow, A. A. Parks, R. H. Weisberg, L. Zheng, C. Hu, B. B. Barnes, K. L. Daly, S. I. Shin, G. R. Brooks, W. I. Jeffrey, R. A. Snyder and D. Hollander (2015). "A simulation analysis of the plankton fate of the Deepwater Horizon oil spills." Continental Shelf Research **107**: 50-68.

Wang, C. B., B. Feng, C. C. Tian, Y. Y. Tian, D. Chen, X. Q. Wu, G. B. Li and B. D. Xiao (2018). "Quantitative study on the survivability of *Microcystis* colonies in lake sediments." Journal of Applied Phycology **30**(1): 495-506.

Wang, C. H., A. Y. T. Ho, P. Y. Qian, P. K. Wong and D. P. H. Hsieh (2004). "Antibiotic treatment enhances C2 toxin production by *Alexandrium tamarense* in batch cultures." Harmful Algae **3**(1): 21-28.

Wang, D. C., Y. Xia, L. M. Buja and J. B. McMillin (1998). "The liver isoform of carnitine palmitoyltransferase I is activated in neonatal rat cardiac myocytes by hypoxia." Molecular and Cellular Biochemistry **180**(1-2): 163-170.

Wang, D. Q., J. Ming and J. J. Shi (2020). "Enhanced corrosion resistance of rebar in carbonated concrete pore solutions by Na<sub>2</sub>HPO<sub>4</sub> and benzotriazole." Corrosion Science **174**: 12.

Wang, H. F., X. M. Long and X. L. Cui (2013). The Design of Stereo vision Autonomic navigation robot based on SOC. 3rd International Conference on Advanced Design and Manufacturing Engineering (ADME 2013), Anshan, PEOPLES R CHINA, Trans Tech Publications Ltd.

Wang, J. K. and M. Seibert (2017). "Prospects for commercial production of diatoms." Biotechnology for Biofuels **10**: 13.

Wang, J. X., J. J. Salata and P. B. Bennett (2003). "Saxitoxin is a gating modifier of hERG K<sup>+</sup> channels." Journal of General Physiology **121**(6): 583-598.

Wang, L., X. F. Liang, W. B. Zhang, K. S. Mai, Y. Huang and D. Shen (2009). "Amnesic shellfish poisoning toxin stimulates the transcription of CYP1A possibly through AHR and ARNT in the liver of red sea bream *Pagrus major*." Marine Pollution Bulletin **58**(11): 1643-1648.

Wang, L., J. Wang, N. N. Li, C. Liang, W. D. Wang, Z. He and X. R. Liu (2021). "Mechanism of rapid compression-induced melt crystallization in selenium." Acta Physica Sinica **70**(15): 9.

Wang, L., M. Y. Zhang, N. Zhang, J. J. Shi, H. L. Zhang, M. Li, C. Lu and Z. Z. Zhang (2011). "Synergistic enhancement of cancer therapy using a combination of docetaxel and photothermal ablation induced by single-walled carbon nanotubes." *International Journal of Nanomedicine* **6**: 2641-2652.

Wang, L. Y., L. Gan, I. D. Forsythe and L. K. Kaczmarek (1998). "Contribution of the Kv3.1 potassium channel to high-frequency firing in mouse auditory neurones." *Journal of Physiology-London* **509**(1): 183-194.

Wang, M., M. Tashiro and J. R. Berlin (2004). "Regulation of L-type calcium current by intracellular magnesium in rat cardiac myocytes." *Journal of Physiology-London* **555**(2): 383-396.

Wang, N. Y. and C. Wang (2018). "Effects of microcystin-LR on the tissue growth and physiological responses of the aquatic plant Iris pseudacorus L." *Aquatic Toxicology* **200**: 197-205.

Wang, S. L., Y. M. Chen, Y. Y. Jiao and Z. Li (2019). "Detoxification of Cylindrospermopsin by Pyrite in Water." *Catalysts* **9**(9): 9.

Wang, X. X., Z. H. Xiao, C. C. Jiang, X. J. Wang and Y. T. Szeto (2018). "Evaluating the allelochemical effects of Syzygium cumini leaves extract on Microcystis aeruginosa by pulse-amplitude-modulated fluorometry and flow cytometry." *Desalination and Water Treatment* **133**: 220-226.

Wang, X. Y., Y. Zhao, X. X. Jiang, Y. Y. Wang, H. X. Li, L. Wang and W. Y. Liang (2018). "The growth and physiological activity of Microcystis aeruginosa after flocculation using modified tannin." *International Biodeterioration & Biodegradation* **133**: 180-186.

Wang, Y., J. L. Chen, J. Liu, K. Liu, Y. Zhang, J. Wu, H. Zeng, Z. L. Guan and Ieee (2017). *Research and Implementation of Key Technology of Braking Energy Recovery System for Off-Highway Dump Truck*. 43rd Annual Conference of the IEEE-Industrial-Electronics-Society (IECON), Beijing, PEOPLES R CHINA, Ieee.

Wang, Y. P., F. Li, J. Y. Du, X. Y. Shi, A. X. Tang, M. L. Fu, W. J. Sun and B. L. Yuan (2021). "Formation of nitrosamines during chloramination of two algae species in source water-Microcystis aeruginosa and Cyclotella meneghiniana." *Science of the Total Environment* **798**: 8.

Wang, Y. Y., H. X. Li, Q. L. Fan, J. J. Wei, X. Y. Wang, X. X. Jiang, W. W. Zhang and W. Y. Liang (2019). "Impacts of Identified Bacterium Ensifer adhaerens on Microcystis aeruginosa and Subsequent Microcystin Release." *Water Air and Soil Pollution* **230**(3): 17.

Wang, Z., J. Q. Zhang, L. R. Song, E. H. Li, X. L. Wang and B. D. Xiao (2015). "Effects of linear alkylbenzene sulfonate on the growth and toxin production of Microcystis aeruginosa isolated from Lake Dianchi." *Environmental Science and Pollution Research* **22**(7): 5491-5499.

Wang, Z. C., Z. J. Li, Y. Y. Zhou and D. H. Li (2015). "PHOTOSYNTHETIC ACTIVITY OF Microcystis IN FISH GUTS AND ITS IMPLICATION FOR FEASIBILITY OF BLOOM CONTROL BY FILTER-FEEDING FISHES." *Fresenius Environmental Bulletin* **24**(7): 2384-2393.

Wang, Z. D., O. Gurel, J. E. Baatz and R. H. Notter (1996). "Acylation of pulmonary surfactant protein-C is required for its optimal surface active interactions with phospholipids." *Journal of Biological Chemistry* **271**(32): 19104-19109.

Wang, Z. Q. (2015). "Global frequency distributions of pulsations driven by sharp decrease of solar wind dynamic pressure." Science China-Earth Sciences **58**(12): 2211-2219.

Warhurst, A. M., S. L. Raggett, G. L. McConnachie, S. J. T. Pollard, V. Chipofya and G. A. Codd (1997). "Adsorption of the cyanobacterial hepatotoxin microcystin-LR by a low-cost activated carbon from the seed husks of the pan-tropical tree, *Moringa oleifera*." Science of the Total Environment **207**(2-3): 207-211.

Watson, S. B., J. Ridal and G. L. Boyer (2008). "Taste and odour and cyanobacterial toxins: impairment, prediction, and management in the Great Lakes." Canadian Journal of Fisheries and Aquatic Sciences **65**(8): 1779-1796.

Wei, X. M., M. Y. Lu, G. F. Duan, H. Y. Li, J. S. Liu and W. D. Yang (2019). "Responses of CYP450 in the mussel *Perna viridis* after short-term exposure to the DSP toxins-producing dinoflagellate *Prorocentrum lima*." Ecotoxicology and Environmental Safety **176**: 178-185.

Weiner, H., R. W. McMichael and S. C. Huber (1992). "IDENTIFICATION OF FACTORS REGULATING THE PHOSPHORYLATION STATUS OF SUCROSE-PHOSPHATE SYNTHASE INVIVO." Plant Physiology **99**(4): 1435-1442.

Weir, M. H., T. A. Wood and A. Zimmer-Faust (2021). "Development of methods to estimate microcystins removal and water treatment resiliency using mechanistic risk modelling." Water Research **190**: 14.

Weiss, E., L. B. Hans-Jochen and I. Bernhardt (2004). "Inhibitors of the K<sup>+</sup> (Na<sup>+</sup>)/H<sup>+</sup> exchanger of human red blood cells." Bioelectrochemistry **62**(2): 135-140.

Welker, M. and C. Steinberg (2000). "Rates of humic substance photosensitized degradation of microcystin-LR in natural waters." Environmental Science & Technology **34**(16): 3415-3419.

Weller, M. G. (2013). "Immunoassays and Biosensors for the Detection of Cyanobacterial Toxins in Water." Sensors **13**(11): 15085-15112.

Werkman, T. R., T. A. Gustafson, R. S. Rogowski, M. P. Blaustein and M. A. Rogawski (1993). "TITYUSTOXIN-K-ALPHA, A STRUCTURALLY NOVEL AND HIGHLY POTENT-K<sup>+</sup> CHANNEL PEPTIDE TOXIN, INTERACTS WITH THE ALPHA-DENDROTOXIN BINDING-SITE ON THE CLONED KV1.2 K<sup>+</sup> CHANNEL." Molecular Pharmacology **44**(2): 430-436.

Wesolek, N., D. Parent-Massin and A. C. Roudot (2014). "Evaluating the performance of sampling plans for phycotoxins in shellfish: Improvement of an existing method." Harmful Algae **34**: 1-6.

Westrick, J. A. (2008). Chapter 13: Cyanobacterial toxin removal in drinking water treatment processes and recreational waters. Cyanobacterial Harmful Algal Blooms: State of the Science and Research Needs. H. K. Hudnell. Berlin, Springer-Verlag Berlin. **619**: 275-290.

Westrick, J. A., D. C. Szlag, B. J. Southwell and J. Sinclair (2010). "A review of cyanobacteria and cyanotoxins removal/inactivation in drinking water treatment." Analytical and Bioanalytical Chemistry **397**(5): 1705-1714.

Wheeler, D. L., P. J. Reddig, N. E. Dreckschmidt, M. Leitges and A. K. Verma (2002). "Protein kinase C delta-mediated signal to ornithine decarboxylase induction is independent of skin tumor suppression." Oncogene **21**(22): 3620-3630.

Whisler, R. L., Y. G. Newhouse and S. E. Bagenstose (1996). "Age-related reductions in the activation of mitogen-activated protein kinases p44(mapk)/ERK1 and p42(mapk)/ERK2 in human T cells stimulated via ligation of the T cell receptor complex." Cellular Immunology **168**(2): 201-210.

Wiechen, K., D. T. Yue and S. Herzig (1995). "2 DISTINCT FUNCTIONAL-EFFECTS OF PROTEIN PHOSPHATASE INHIBITORS ON GUINEA-PIG CARDIAC L-TYPE CA<sub>2+</sub> CHANNELS." Journal of Physiology-London **484**(3): 583-592.

Wiese, M., P. M. D'Agostino, T. K. Mihali, M. C. Moffitt and B. A. Neilan (2010). "Neurotoxic Alkaloids: Saxitoxin and Its Analogs." Marine Drugs **8**(7): 2185-2211.

Wilding, T. J., M. D. Womack and E. W. McCleskey (1995). "FAST, LOCAL SIGNAL-TRANSDUCTION BETWEEN THE MU-OPIOID RECEPTOR AND CA<sub>2+</sub> CHANNELS." Journal of Neuroscience **15**(5): 4124-4132.

Wildish, D., P. Lassus, J. Martin, A. Saulnier and M. Bardouil (1998). "Effect of the PSP-causing dinoflagellate, *Alexandrium* sp. on the initial feeding response of *Crassostrea gigas*." Aquatic Living Resources **11**(1): 35-43.

Wilkins, A. L., N. Rehmann, T. Torgersen, T. Rundberget, M. Keogh, D. Petersen, P. Hess, F. Rise and C. O. Miles (2006). "Identification of fatty acid esters of pectenotoxin-2 seco acid in blue mussels (*Mytilus edulis*) from Ireland." Journal Of Agricultural And Food Chemistry **54**(15): 5672-5678.

Williams, B. C., J. J. Filter, K. A. Blake-Hodek, B. E. Wadzinski, N. J. Fuda, D. Shalloway and M. L. Goldberg (2014). "Greatwall-phosphorylated Endosulfine is both an inhibitor and a substrate of PP2A-B55 heterotrimers." Elife **3**: 34.

Williams, B. J. and B. Cole (2011). Bayesian network model of Anabaena blooms in Grahamstown Lake. 19th International Congress on Modelling and Simulation (MODSIM), Perth, AUSTRALIA, Modelling & Simulation Soc Australia & New Zealand Inc.

Williams, S. A., H. Kwon, L. F. Chen and W. C. Greene (2007). "Sustained induction of NF-kappa B is required for efficient expression of latent human immunodeficiency virus type 1." Journal of Virology **81**(11): 6043-6056.

Willis, B., J. T. Gravelie, W. M. Bishop, S. B. Buczek and W. G. Cope (2020). "Managing the Invasive Cyanobacterium *Lyngbya wollei* in a Southeastern USA Reservoir: Evaluation of a Multi-year Treatment Program." Water Air and Soil Pollution **231**(5): 13.

Willis, J. S. and G. L. Anderson (1998). "Activation of K-Cl cotransport by mild warming in guinea pig red cells." Journal of Membrane Biology **163**(3): 193-203.

Willkomm, J., K. L. Orchard, A. Reynal, E. Pastor, J. R. Durrant and E. Reisner (2016). "Dye-sensitised semiconductors modified with molecular catalysts for light-driven H<sub>2</sub> production." Chemical Society Reviews **45**(1): 9-23.

Windust, A. J., M. A. Quilliam, J. L. C. Wright and J. L. McLachlan (1997). "Comparative toxicity of the diarrhetic shellfish poisons, okadaic acid, okadaic acid diol-ester and dinophysistoxin-4, to the diatom *Thalassiosira weissflogii*." *Toxicon* **35**(11): 1591-1603.

Wingert, C. J. and W. P. Cochlan (2021). "Effects of ocean acidification on the growth, photosynthetic performance, and domoic acid production of the diatom *Pseudo-nitzschia australis* from the California Current System." *Harmful Algae* **107**: 18.

Wisgirda, M. E. and S. E. Dryer (1993). "CHARACTERISTICS OF MULTIPLE VOLTAGE-ACTIVATED K+ CURRENTS IN ACUTELY DISSOCIATED CHICK CILIARY GANGLION NEURONS." *Journal of Physiology-London* **470**: 171-189.

Wohlgemuth, G. D., K. H. Mann, D. V. S. Rao and R. Pocklington (1992). "DYNAMICS OF THE PHYCOTOXIN DOMOIC ACID - ACCUMULATION AND EXCRETION IN 2 COMMERCIALLY IMPORTANT BIVALVES." *Journal of Applied Phycology* **4**(4): 297-310.

Wojtal-Frankiewicz, A., J. Bernasinska, P. Frankiewicz, K. Gwozdzinski and T. Jurczak (2014). "Response of Daphnia's Antioxidant System to Spatial Heterogeneity in Cyanobacteria Concentrations in a Lowland Reservoir." *Plos One* **9**(11): 10.

Wood, S. A., J. P. Rasmussen, P. T. Holland, R. Campbell and A. L. M. Crowe (2007). "First report of the cyanotoxin anatoxin-A from *Aphanizomenon issatschenkoi* (cyanobacteria)." *Journal of Phycology* **43**(2): 356-365.

Wu, C. H., C. Maurer, Y. Wang, S. Z. Xue and D. L. Davis (1999). "Water pollution and human health in China." *Environmental Health Perspectives* **107**(4): 251-256.

Wu, R. L. and M. E. Barish (1992). "2 PHARMACOLOGICALLY AND KINETICALLY DISTINCT TRANSIENT POTASSIUM CURRENTS IN CULTURED EMBRYONIC MOUSE HIPPOCAMPAL-NEURONS." *Journal of Neuroscience* **12**(6): 2235-2246.

Wu, X., H. Wu, J. R. Chen and J. Y. Ye (2013). "Effects of allelochemical extracted from water lettuce (*Pistia stratiotes* Linn.) on the growth, microcystin production and release of *Microcystis aeruginosa*." *Environmental Science and Pollution Research* **20**(11): 8192-8201.

Wu, X. G., E. M. Joyce and T. J. Mason (2011). "The effects of ultrasound on cyanobacteria." *Harmful Algae* **10**(6): 738-743.

Wu, X. G., E. M. Joyce and T. J. Mason (2012). "Evaluation of the mechanisms of the effect of ultrasound on *Microcystis aeruginosa* at different ultrasonic frequencies." *Water Research* **46**(9): 2851-2858.

Wu, X. Q., Y. Viner-Mozzini, Y. L. Jia, L. R. Song and A. Sukenik (2021). "Alkyltrimethylammonium (ATMA) surfactants as cyanocides - Effects on photosynthesis and growth of cyanobacteria." *Chemosphere* **274**: 9.

Wu, X. Q., C. B. Wang, C. C. Tian, B. D. Xiao and L. R. Song (2015). "Evaluation of the potential of anoxic biodegradation of intracellular and dissolved microcystins in lake sediments." *Journal of Hazardous Materials* **286**: 395-401.

Wu, Y., Y. J. Wang, Y. W. Li, J. G. Du, Z. H. Wang and S. H. Deng (2018). "Effects of single-walled carbon nanotubes on growth and physiological characteristics of *Microcystis aeruginosa*." *Journal of Central South University* **25**(7): 1628-1641.

Wu, Y. L., L. Li, N. Q. Gan, L. L. Zheng, H. Y. Ma, K. Shan, J. Liu, B. D. Xiao and L. R. Song (2014). "Seasonal dynamics of water bloom-forming *Microcystis* morphospecies and the associated extracellular microcystin concentrations in large, shallow, eutrophic Dianchi Lake." *Journal of Environmental Sciences* **26**(9): 1921-1929.

Wu, Z. L., H. F. Shen, B. Ondruschka, Y. C. Zhang, W. M. Wang and D. H. Bremner (2012). "Removal of blue-green algae using the hybrid method of hydrodynamic cavitation and ozonation." *Journal of Hazardous Materials* **235**: 152-158.

Xia, L. L., X. R. Zhao, X. X. Zhang, K. Cai and R. P. Li (2013). "MICROCYSTINS IN FISH MUSCLES FROM MEILIANG BAY, LAKE TAIHU AND THE POTENTIAL RISK TO HUMAN CONSUMPTION." *Fresenius Environmental Bulletin* **22**(4A): 1150-1156.

Xiao, Z. C., R. Hillenbrand, M. Schachner, S. Thermes, G. Rougon and S. Gomez (1997). "Signaling events following the interaction of the neuronal adhesion molecule F3 with the N-terminal domain of tenascin-R." *Journal of Neuroscience Research* **49**(6): 698-709.

Xie, G. Y., X. J. Hu, Y. X. Du, Q. Jin, Y. Liu, C. F. Tang, X. Hu, G. Y. Li, Z. F. Chen, D. X. Zhou and H. Wang (2021). "Light-driven breakdown of microcystin-LR in water: A critical review." *Chemical Engineering Journal* **417**: 34.

Xie, J. Q., L. Zhao, K. Liu and W. P. Liu (2019). "Enantiomeric environmental behavior, oxidative stress and toxin release of harmful cyanobacteria *Microcystis aeruginosa* in response to napropamide and acetochlor." *Environmental Pollution* **246**: 728-733.

Xie, L. Q., T. Hanyu, N. Futatsugi, M. Komatsu, A. D. Steinman and H. D. Park (2014). "Inhibitory effect of naringin on microcystin-LR uptake in the freshwater snail *Sinotaia histrica*." *Environmental Toxicology and Pharmacology* **38**(2): 430-437.

Xing, C. R., L. Q. Liu, S. S. Song, M. Feng, H. Kuang and C. L. Xu (2015). "Ultrasensitive immunochromatographic assay for the simultaneous detection of five chemicals in drinking water." *Biosensors & Bioelectronics* **66**: 445-453.

Xiong, L., L. Ma, Z. J. Xie, Q. Xin, D. Q. Zhang and Z. K. Yang (2015). "A Novel Generator for High-voltage Bipolar Square Pulses with Applications in Sterilization of Microorganism." *Ieee Transactions on Dielectrics and Electrical Insulation* **22**(4): 1887-1895.

Xu, A. H., Y. Yang, Y. X. Sun and C. D. Zhang (2018). "Exogenous brain-derived neurotrophic factor attenuates cognitive impairment induced by okadaic acid in a rat model of Alzheimer's disease." *Neural Regeneration Research* **13**(12): 2173-2181.

Xu, B. G., P. Smith, C. Wingate and L. De Silva (2010). "The effect of calcium and temperature on the transformation of sodalite to cancrinite in Bayer digestion." *Hydrometallurgy* **105**(1-2): 75-81.

Xu, M., Y. H. Mou, M. M. Hu, W. X. Dong, X. T. Su, R. X. Wu and P. Zhang (2018). "Evaluation of micelles incorporated into thermosensitive hydrogels for intratumoral delivery and controlled

release of docetaxel: A dual approach for in situ treatment of tumors." Asian Journal of Pharmaceutical Sciences **13**(4): 373-382.

Xu, P., M. Chen, C. Lai, G. M. Zeng, D. L. Huang, H. Wang, X. M. Gong, L. Qin, Y. Y. Liu, D. Mo, X. F. Wen, C. Y. Zhou and R. Z. Wang (2019). "Effects of typical engineered nanomaterials on 4-nonylphenol degradation in river sediment: based on bacterial community and function analysis." Environmental Science-Nano **6**(7): 2171-2184.

Xu, Q. H., C. H. Wei, K. Huang and K. T. Rong (2005). "Toxin-neutralizing effect and activity-quality relationship for mice tetrodotoxin-specific polyclonal antibodies." Toxicology **206**(3): 439-448.

Xu, Y. F., J. Yang, J. P. Jia and Y. L. Wang (2005). "Effects of electrolysis on *Microcystis aeruginosa* in water." Progress in Natural Science-Materials International **15**: 60-66.

Xu, Y. X., T. X. Fang, Y. F. Yang, L. A. Sun and Q. Shen (2019). "Preparation of Deoxycholate-Modified Docetaxel-Cimetidine Complex Chitosan Nanoparticles to Improve Oral Bioavailability." Aaps Pharmscitech **20**(7): 10.

Xu, Z. J., Y. Zhang, Q. Hu, Q. Tang, J. K. Xu, J. P. Wu, T. B. Kirk, D. Ma and W. Xue (2017). "Biocompatible hyperbranched polyglycerol modified beta-cyclodextrin derivatives for docetaxel delivery." Materials Science & Engineering C-Materials for Biological Applications **71**: 965-972.

Yagati, A. K., A. Go, N. H. Vu and M. H. Lee (2020). "A MOS2-Au nanoparticle-modified immunosensor for T-3 biomarker detection in clinical serum samples." Electrochimica Acta **342**: 10.

Yakel, J. L. (1992). "INACTIVATION OF THE BA<sub>2+</sub> CURRENT IN DISSOCIATED HELIX NEURONS - VOLTAGE DEPENDENCE AND THE ROLE OF PHOSPHORYLATION." Pflugers Archiv-European Journal of Physiology **420**(5-6): 470-478.

Yakes, B. J., S. L. DeGrasse, M. Poli and J. R. Deeds (2011). "Antibody characterization and immunoassays for palytoxin using an SPR biosensor." Analytical and Bioanalytical Chemistry **400**(9): 2865-2869.

Yamaguchi, H., G. Minopoli, O. N. Demidov, D. K. Chatterjee, C. W. Anderson, S. R. Durell and E. Appella (2005). "Substrate specificity of the human protein phosphatase 2C delta Wip1." Biochemistry **44**(14): 5285-5294.

Yamaoka, K. and I. Seyama (1998). "Phosphorylation modulates L-type Ca channels in frog ventricular myocytes by changes in sensitivity to Mg<sup>2+</sup> block." Pflugers Archiv-European Journal of Physiology **435**(3): 329-337.

Yamasaki, Y., Y. N. Zou, J. Go, T. Shikata, Y. Matsuyama, K. Nagai, Y. Shimasaki, K. Yamaguchi, Y. Oshima, T. Oda and T. Honjo (2011). "Cell contact-dependent lethal effect of the dinoflagellate *Heterocapsa circularisquama* on phytoplankton-phytoplankton interactions." Journal of Sea Research **65**(1): 76-83.

Yan, B. Y., Z. Q. Liu, R. Huang, Y. P. Xu, D. M. Liu, T. F. Lin and F. Y. Cui (2017). "Optimization of the Determination Method for Dissolved Cyanobacterial Toxin BMAA in Natural Water." Analytical Chemistry **89**(20): 10991-10998.

Yan, C., X. Q. Song, M. Yu, Y. F. Tong and W. J. Zhang (2019). "Determining the effects of polyaluminum chloride alkalinites and dosage treatments on various microalgal growth phases for the treatment of microalgae-laden water." Separation and Purification Technology **209**: 202-210.

Yan, D., S. Lee, V. D. Thakkar, M. Luo, M. L. Moore and R. K. Plemper (2014). "Cross-resistance mechanism of respiratory syncytial virus against structurally diverse entry inhibitors." Proceedings of the National Academy of Sciences of the United States of America **111**(33): E3441-E3449.

Yan, S. W., A. Jia, S. Merel, S. A. Snyder, K. E. O'Shea, D. D. Dionysiou and W. H. Song (2016). "Ozonation of Cylindrospermopsin (Cyanotoxin): Degradation Mechanisms and Cytotoxicity Assessments." Environmental Science & Technology **50**(3): 1437-1446.

Yan, Y. W., R. H. Dai, Y. Liu, J. Y. Gao and X. H. Wu (2015). "Comparative effects of inorganic and organic nitrogen on the growth and microcystin production of *Microcystis aeruginosa*." World Journal of Microbiology & Biotechnology **31**(5): 763-772.

Yang, D. B., S. Van, Y. Y. Shu, X. Q. Liu, Y. F. Ge, X. G. Jiang, Y. Jin and L. Yu (2012). "Synthesis, characterization, and in vivo efficacy evaluation of PGG-docetaxel conjugate for potential cancer chemotherapy." International Journal of Nanomedicine **7**: 581-589.

Yang, F., H. X. Han, H. X. Fan, D. Xiao, Y. H. Chen and G. Li (2018). "Synthesis, characterization, and in vitro release analysis of a novel glucan-based polymer carrier." Colloid and Polymer Science **296**(8): 1401-1407.

Yang, J. W., G. Larson, L. Konrad, M. Shetty, M. Holy, K. Jantsch, M. Kastein, S. Heo, F. A. Erdem, G. Lubec, R. A. Vaughan, H. H. Sitte and J. D. Foster (2019). "Dephosphorylation of human dopamine transporter at threonine 48 by protein phosphatase PP1/2A up-regulates transport velocity." Journal of Biological Chemistry **294**(10): 3419-3431.

Yang, M. S., P. K. S. Lam, M. H. Huang and B. S. F. Wong (1999). "Effects of microcystins on phosphorylase-a binding to phosphatase-2A: kinetic analysis by surface plasmon resonance biosensor." Biochimica Et Biophysica Acta-General Subjects **1427**(1): 62-73.

Yang, S., L. Chen, C. Wen, X. Zhang, X. L. Feng and F. Yang (2018). "MicroRNA expression profiling involved in MC-LR-induced hepatotoxicity using high-throughput sequencing analysis." Journal of Toxicology and Environmental Health-Part a-Current Issues **81**(5): 89-97.

Yang, S. C. and Y. Pan (2011). RETRACTED: Research Situation of Activated Sludge Process Software (Retracted Article). International Conference on Energy and Environmental Science (ICEES), Singapore, SINGAPORE, Elsevier Science Bv.

Yang, T. and D. M. Roden (1996). "Regulation of sodium current development in cultured atrial tumor myocytes (AT-1 cells)." American Journal of Physiology-Heart and Circulatory Physiology **271**(2): H541-H547.

Yang, X. H., X. Q. Hu, Z. Q. Dong, M. Li, Z. X. Zheng and W. C. Xie (2021). "Effect of carboxymethyl chitosan on the detoxification and biotransformation of paralytic shellfish toxins in oyster *Ostrea rivularis*." Toxicon **196**: 1-7.

Yang, Y. M., G. L. Yu, Y. X. Chen, N. N. Jia and R. H. Li (2021). "Four decades of progress in cylindrospermopsin research: The ins and outs of a potent cyanotoxin." Journal of Hazardous Materials **406**: 25.

Yang, Z., W. X. Tang, X. G. Luo, X. F. Zhang, C. Zhang, H. Li, D. Gao, H. Y. Luo, Q. Jiang and J. Liu (2015). "Dual-Ligand Modified Polymer-Lipid Hybrid Nanoparticles for Docetaxel Targeting Delivery to Her2/neu Overexpressed Human Breast Cancer Cells." Journal of Biomedical Nanotechnology **11**(8): 1401-1417.

Yaroshchuk, A., X. Martinez-Llado, L. Llenas, M. Rovira, J. de Pablo, J. Flores and P. Rubio (2009). "Mechanisms of transfer of ionic solutes through composite polymer nano-filtration membranes in view of their high sulfate/chloride selectivities." Desalination and Water Treatment **6**(1-3): 48-53.

Ye, M., Z. F. Bai, B. G. Cao and Ieee (2007). Robust H-2/H-infinity control for regenerative braking of Electric Vehicles. IEEE International Conference on Control and Automation, Guangzhou, PEOPLES R CHINA, Ieee.

Yen, H. K., T. F. Lin, I. C. Tseng and Y. T. Su (2005). Cyanobacteria toxins and toxin producers in nine drinking water reservoirs in Taiwan. 1st Conference of the International-Water-Association Asia-Pacific-Regional-Group (IWA-ASPIRE 2005), Singapore, SINGAPORE, I W a Publishing.

Yeo, I., Y. G. Park and D. Kim (2018). "Developing numerical method to predict the removal of Microcystin-LR in a clear well." Membrane Water Treatment **9**(3): 173-179.

Yi, M., N. Bhattacharya, T. M. Logan and H. X. Zhou (2004). "Dynamics and binding kinetics of an intramolecular ligand in DtxR." Biophysical Journal **86**(1): 91A-91A.

Yon, T., M. Sibat, D. Réveillon, S. Bertrand, M. Chinain and P. Hess (2021). "Deeper insight into Gambierdiscus polynesiensis toxin production relies on specific optimization of High-Performance Liquid Chromatography High Resolution Mass Spectrometry." Talanta **232**.

Yon, T., M. Sibat, E. Robert, K. Lhaute, W. C. Holland, R. W. Litaker, S. Bertrand, P. Hess and D. Reveillon (2021). "Sulfo-Gambierones, Two New Analogs of Gambierone Produced by Gambierdiscus excentricus." Marine Drugs **19**(12).

You, S. W., Y. F. Zhang, F. F. Chen, S. T. Cao and Y. Zhang (2014). "Transformation of NaCaHSiO<sub>4</sub> to sodalite and katoite in sodium aluminate solution." Hydrometallurgy **141**: 43-48.

Yoza, B. K., J. D. Wells and C. E. McCall (1998). "Interleukin-1 beta expression after inhibition of protein phosphatases in endotoxin-tolerant cells." Clinical and Diagnostic Laboratory Immunology **5**(3): 281-287.

Yu, C. J., D. Y. Ma, L. L. Song, Z. N. Zhai, Y. Tao, Y. Zhang, L. Y. Cai, Y. H. Hou, H. Y. Chen and L. Wang (2020). "The role of GLP-1/GIP receptor agonists in Alzheimer's disease." Advances in Clinical and Experimental Medicine **29**(6): 661-668.

Yu, H. R., H. Y. Tan, Y. Y. Huang, J. X. Pan, J. J. Yao, M. Liang, J. Yang and H. Jia (2020). "Development of a rapidly made, easily personalized drug-eluting polymer film on the electrode array of a cochlear implant during surgery." Biochemical and Biophysical Research Communications **526**(2): 328-333.

Yu, L., X. F. Wu, Y. Yu, L. M. Shi and M. Zhang (2019). "Recruitment of cyanobacteria by reverse transcription quantitative real-time PCR based on expression of *Microcystis* gene." *Peerj* **7**: 17.

Yu, Q. M., J. J. Geng, X. Y. Zong, Y. Zhang, K. Xu, H. D. Hu, Y. F. Deng, F. Z. Zhao and H. Q. Ren (2019). "Occurrence and removal of progestagens in municipal wastewater treatment plants from different regions in China." *Science of the Total Environment* **668**: 1191-1199.

Yu, S. M., C. Li, C. C. Xu, K. Effiong and X. Xiao (2019). "Understanding the inhibitory mechanism of antialgal allelochemical flavonoids from genetic variations: Photosynthesis, toxin synthesis and nutrient utility." *Ecotoxicology and Environmental Safety* **177**: 18-24.

Yu, Y., Y. D. Zeng, J. Li, C. Y. Yang, X. H. Zhang, F. Luo and X. Z. Dai (2019). "An algicidal *Streptomyces amritsarensis* strain against *Microcystis aeruginosa* strongly inhibits microcystin synthesis simultaneously." *Science of the Total Environment* **650**: 34-43.

Yu, Y. L., H. Fang, X. Wang, X. M. Wu, M. Shan and J. Q. Yu (2006). "Characterization of a fungal strain capable of degrading chlorpyrifos and its use in detoxification of the insecticide on vegetables." *Biodegradation* **17**(5): 487-494.

Yu, Y. Q. and X. W. Lu (2017). "Start-up performance and granular sludge features of an improved external circulating anaerobic reactor for algae-laden water treatment." *Saudi Journal of Biological Sciences* **24**(6): 1222-1228.

Yuan, J., J. L. Liu, Q. Song, D. Wang, W. S. Xie, H. Yan, J. F. Zhou, Y. Wei, X. D. Sun and L. Y. Zhao (2016). "Photoinduced Mild Hyperthermia and Synergistic Chemotherapy by One-Pot-Synthesized Docetaxel-Loaded Poly(lactic-co-glycolic acid)/Polypyrrole Nanocomposites." *Acs Applied Materials & Interfaces* **8**(37): 24445-24454.

Yuan, J. L. and Y. Zhang (2009). "Desiliconization reaction in sodium aluminate solution by adding tricalcium hydroaluminate." *Hydrometallurgy* **95**(1-2): 166-169.

Zahedi, P., R. De Souza, M. Piquette-Miller and C. Allen (2009). "Chitosan-phospholipid blend for sustained and localized delivery of docetaxel to the peritoneal cavity." *International Journal of Pharmaceutics* **377**(1-2): 76-84.

Zahedi, P., R. De Souza, M. Piquette-Miller and C. Allen (2011). "Docetaxel Distribution Following Intraperitoneal Administration in Mice." *Journal of Pharmacy and Pharmaceutical Sciences* **14**(1): 90-99.

Zaitsev, S. V., S. Efendic, P. Arkhammar, A. M. Bertorello and P. O. Berggren (1995). "DISSOCIATION BETWEEN CHANGES IN CYTOPLASMIC FREE CA<sub>2+</sub> CONCENTRATION AND INSULIN-SECRETION AS EVIDENCED FROM MEASUREMENTS IN MOUSE SINGLE PANCREATIC-ISLETS." *Proceedings of the National Academy of Sciences of the United States of America* **92**(21): 9712-9716.

Zaltsman, I., H. Grimberg, M. Lupu-Meiri, I. Lifshitz and Y. Oron (2000). "Rapid desensitization of the TRH receptor and persistent desensitization of its constitutively active mutant." *British Journal of Pharmacology* **130**(2): 315-320.

Zaman, L., O. Arakawa, A. Shimosu and Y. Onoue (1997). "Occurrence of paralytic shellfish poison in Bangladeshi freshwater puffers." *Toxicon* **35**(3): 423-431.

Zamponi, G. W., D. D. Doyle and R. J. French (1993). "FAST LIDOCAINE BLOCK OF CARDIAC AND SKELETAL-MUSCLE SODIUM-CHANNELS - ONE-SITE WITH 2 ROUTES OF ACCESS." Biophysical Journal **65**(1): 80-90.

Zamyadi, A., L. Ho, G. Newcombe, H. Bustamante and M. Prevost (2012). "Fate of toxic cyanobacterial cells and disinfection by-products formation after chlorination." Water Research **46**(5): 1524-1535.

Zamyadi, A., L. Ho, G. Newcombe, R. I. Daly, M. Burch, P. Baker and M. Prevost (2010). "Release and Oxidation of Cell-Bound Saxitoxins during Chlorination of Anabaena circinalis Cells." Environmental Science & Technology **44**(23): 9055-9061.

Zawilska, P., M. Machowska, K. Wisniewski, G. Grynkiewicz, R. Hrynyk, R. Rzepecki and J. Gubernator (2021). "Novel pegylated liposomal formulation of docetaxel with 3-n-pentadecylphenol derivative for cancer therapy." European Journal of Pharmaceutical Sciences **163**: 16.

Zendong, S. Z., C. Herrenknecht, F. Mondeguer and P. Hess (2013). Metabolomic approach for the analysis of micro-algae : direct analysis versus passive sampling. 4th International Symposium On Marine & Freshwater Toxin Analysis and AOAC Task Force Meeting, 5-9 May 2013, Baiona, Spain.

Zendong, S. Z., P. McCarron, C. Herrenknecht, M. Sibat, Z. Amzil, R. B. Cole and P. Hess (2015). "High resolution mass spectrometry for quantitative analysis and untargeted screening of algal toxins in mussels and passive samplers." Journal Of Chromatography A **1416**: 10-21.

Zendong, S. Z., M. Sibat, C. Herrenknecht, P. Hess and P. McCarron (2017). "Relative Molar Response of lipophilic marine algal toxins in liquid chromatography electrospray ionization mass spectrometry." Rapid Communications In Mass Spectrometry **31**(17): 1453-1461.

Zendong, Z., S. Bertrand, C. Herrenknecht, E. Abadie, C. Jauzein, R. Lemee, J. Gouriou, Z. Amzil and P. Hess (2016). "Passive Sampling and High Resolution Mass Spectrometry for Chemical Profiling of French Coastal Areas with a Focus on Marine Biotoxins." Environmental Science & Technology **50**(16): 8522-8529.

Zendong, Z., C. Herrenknecht, E. Abadie, C. Brissard, C. Tixier, F. Mondeguer, V. Sechet, Z. Amzil and P. Hess (2014). "Extended evaluation of polymeric and lipophilic sorbents for passive sampling of marine toxins." Toxicon **91**: 57-68.

Zendong, Z., M. Kadiri, C. Herrenknecht, E. Nezan, A. Mazzeo and P. Hess (2016). "Algal toxin profiles in Nigerian coastal waters (Gulf of Guinea) using passive sampling and liquid chromatography coupled to mass spectrometry." Toxicon **114**: 16-27.

Zeng, L. M. and Z. B. Li (2012). "Solubility and Modeling of Sodium Aluminosilicate in NaOH-NaAl(OH)(4) Solutions and Its Application to Desilication." Industrial & Engineering Chemistry Research **51**(46): 15193-15206.

Zeynalova, O., S. Zeynalov, F. J. Hambach, S. Oberstedt and I. Fabry (2009). DSP Algorithms for Fission Fragment and Prompt Fission Neutron Spectroscopy. 1st International Conference on Application of Mathematics in Technical and Natural Sciences, Sozopol, BULGARIA, Amer Inst Physics.

Zhan, D. L., A. X. Bai, L. Yu, W. W. Han and Y. Feng (2014). "Characterization of the PH1704 Protease from Pyrococcus horikoshii OT3 and the Critical Functions of Tyr120." *Plos One* **9**(9): 10.

Zhande, R., W. S. Zhang, Y. B. Zheng, E. Pendleton, Y. Li, R. D. Polakiewicz and X. J. Sun (2006). "Dephosphorylation by default, a potential mechanism for regulation of insulin receptor substrate-1/2, Akt, and ERK1/2." *Journal of Biological Chemistry* **281**(51): 39071-39080.

Zhang, C., L. L. Ge, Z. W. Zhong, X. H. You and Ieee (2015). Karnaugh Map-Aided Combinational Logic Design Approach with Bistable Molecular Reactions. IEEE International Conference on Digital Signal Processing (DSP), singapore, SINGAPORE, Ieee.

Zhang, C., J. M. Sands and J. D. Klein (2002). "Vasopressin rapidly increases phosphorylation of UT-A1 urea transporter in rat IMCDs through PKA." *American Journal of Physiology-Renal Physiology* **282**(1): F85-F90.

Zhang, D., J. Tang, J. Zhang, D. L. Zhang and C. X. Hu (2019). "Responses of pro- and anti-inflammatory cytokines in zebrafish liver exposed to sublethal doses of Aphanizomenon flos-aquae DC-1 aphantoxins." *Aquatic Toxicology* **215**: 11.

Zhang, D. L., C. X. Hu, D. H. Li and Y. D. Liu (2013). "Lipid peroxidation and antioxidant responses in zebrafish brain induced by Aphanizomenon flos-aquae DC-1 aphantoxins." *Aquatic Toxicology* **144**: 250-256.

Zhang, D. L., C. X. Hu, G. H. Wang, D. H. Li, G. B. Li and Y. D. Liu (2013). "Zebrafish Neurotoxicity from Aphantoxins-Cyanobacterial Paralytic Shellfish Poisons (PSPs) from Aphanizomenon flos-aquae DC-1." *Environmental Toxicology* **28**(5): 239-254.

Zhang, D. L., J. Zhang, C. X. Hu, G. H. Wang, D. H. Li and Y. D. Liu (2014). "Morphological alterations and acetylcholinesterase and monoamine oxidase inhibition in liver of zebrafish exposed to Aphanizomenon flos-aquae DC-1 aphantoxins." *Aquatic Toxicology* **157**: 215-224.

Zhang, F., C. L. Hu, C. K. Shum, S. Liang and J. Lee (2017). "Satellite Remote Sensing of Drinking Water Intakes in Lake Erie for Cyanobacteria Population Using Two MODIS-Based Indicators as a Potential Tool for Toxin Tracking." *Frontiers in Marine Science* **4**: 11.

Zhang, H., G. Meng, F. J. Mao, W. X. Li, Y. L. He, K. Y. H. Gin and C. N. Ong (2019). "Use of an integrated metabolomics platform for mechanistic investigations of three commonly used algaecides on cyanobacterium, *Microcystis aeruginosa*." *Journal of Hazardous Materials* **367**: 120-127.

Zhang, H. W., F. G. Zhao, R. J. Tang, Y. X. Yu, J. L. Song, Y. Wang, L. G. Li and S. Luan (2017). "Two tonoplast MATE proteins function as turgor-regulating chloride channels in Arabidopsis." *Proceedings of the National Academy of Sciences of the United States of America* **114**(10): E2036-E2045.

Zhang, H. Y., S. Rutherford, S. S. Qi, P. Huang, Z. C. Dai and D. L. Du "Transcriptome profiling of *Arabidopsis thaliana* roots in response to allelopathic effects of *Conyza canadensis*." *Ecotoxicology*: 11.

Zhang, J., Z. Y. Qian and Y. Q. Gu (2009). "In vivo anti-tumor efficacy of docetaxel-loaded thermally responsive nanohydrogel." *Nanotechnology* **20**(32): 8.

Zhang, K., Q. B. Zhuge, H. Y. Xin, Z. P. Xing, M. Xiang, S. J. Fan, L. L. Yi, W. S. Hu and D. V. Plant (2018). "Design and analysis of high-speed optical access networks in the O-band with DSP-free ONUs and low-bandwidth optics." *Optics Express* **26**(21): 27873-27884.

Zhang, L., H. V. M. Hamelers and P. M. Biesheuvel (2020). "Modeling permeate pH in RO membranes by the extended Donnan steric model." *Journal of Membrane Science* **613**: 12.

Zhang, M., Y. F. Wang, X. Y. Wu, Z. Kang, D. Y. Zhang and X. L. Pan (2021). "Potential of ozone micro-bombs in simultaneously fast removing bloom-forming cyanobacteria and in situ degrading microcystins." *Chemical Engineering Journal* **407**: 11.

Zhang, M. M., M. J. Wilson, L. Azam, J. Gajewiak, J. E. Rivier, G. Bulaj, B. M. Olivera and D. Yoshikami (2013). "Co-expression of NaV beta subunits alters the kinetics of inhibition of voltage-gated sodium channels by pore-blocking mu-conotoxins." *British Journal of Pharmacology* **168**(7): 1597-1610.

Zhang, P., M. L. Noordine, C. Cherbuy, P. Vaugelade, J. M. Pascussi, P. H. Duee and M. Thomas (2006). "Different activation patterns of rat xenobiotic metabolism genes by two constituents of garlic." *Carcinogenesis* **27**(10): 2090-2095.

Zhang, Q., Y. C. Chen, M. Wang, J. Y. Zhang, Q. W. Chen and D. S. Liu (2021). "Molecular responses to inorganic and organic phosphorus sources in the growth and toxin formation of *Microcystis aeruginosa*." *Water Research* **196**: 10.

Zhang, R., N. Nagraj, D. S. P. Lansakara, L. P. Hager and M. Newcomb (2006). "Kinetics of two-electron oxidations by the Compound I derivative of chloroperoxidase, a model for cytochrome P450 oxidants." *Organic Letters* **8**(13): 2731-2734.

Zhang, S. C. and Y. Masui (1992). "ACTIVATION OF XENOPUS-LAEVIS EGGS IN THE ABSENCE OF INTRACELLULAR CA ACTIVITY BY THE PROTEIN-PHOSPHORYLATION INHIBITOR, 6-DIMETHYLAMINOPURINE (6-DMAP)." *Journal of Experimental Zoology* **262**(3): 317-329.

Zhang, T., M. Li, R. Y. Yang, D. Zhang, J. B. Guan, J. Yu, B. Yang, H. C. Zhang, S. W. Zhang, D. Liu and Y. J. Wang (2018). "Therapeutic efficacy of lipid emulsions of docetaxel-linoleic acid conjugate in breast cancer." *International Journal of Pharmaceutics* **546**(1-2): 61-69.

Zhang, T. Y., Y. L. Lin, B. Xu, T. Cheng, S. J. Xia, W. H. Chu and N. Y. Gao (2016). "Formation of organic chloramines during chlor(am)ination and UV/chlor(am)ination of algae organic matter in drinking water." *Water Research* **103**: 189-196.

Zhang, X. L., L. H. Fan and F. A. Roddick (2015). "Effect of feedwater pre-treatment using UV/H<sub>2</sub>O<sub>2</sub> for mitigating the fouling of a ceramic MF membrane caused by soluble algal organic matter." *Journal of Membrane Science* **493**: 683-689.

Zhang, X. R., J. He, Y. Lei, Z. M. Qiu, S. S. Cheng and X. Yang (2019). "Combining solar irradiation with chlorination enhances the photochemical decomposition of microcystin-LR." *Water Research* **159**: 324-332.

Zhang, Y., A. Ghadouani, E. E. Prepas, B. Pinel-Alloul, S. Reedyk, P. A. Chambers, R. D. Robarts, G. Methot, A. Raik and M. Holst (2001). "Response of plankton communities to whole-lake Ca(OH)(2) and CaCO<sub>3</sub> additions in eutrophic hardwater lakes." *Freshwater Biology* **46**(8): 1105-1119.

Zhang, Y. H., W. Q. Zhu, Y. Lu, Z. H. Gao and J. Y. Gu (2013). "Water-Resistant Soybean Adhesive for Wood Binder Employing Combinations of Caustic Degradation, Nano-Modification, and Chemical Crosslinking." *Bioresources* **8**(1): 1283-1291.

Zhang, Y. S., H. Y. Li, J. Y. Ren and Iop (2020). Temporal and Spatial Distribution of Chlorophyll-a in Caotang River of Three Gorges Reservoir. 6th International Conference on Advances in Energy, Environment and Chemical Engineering (AEECE), Electr Network, Iop Publishing Ltd.

Zhang, Y. Y., J. K. Whalen, S. V. Duy, G. Munoz, B. R. Husk and S. Sauve (2020). "Improved extraction of multiclass cyanotoxins from soil and sensitive quantification with on-line purification liquid chromatography tandem mass spectrometry." *Talanta* **216**: 8.

Zhao, R. Y., W. Xiao, H. L. Cheng, P. Zhu and K. D. Cheng (2010). "Cloning and characterization of squalene synthase gene from *Fusarium fujikuroi* (Saw.) Wr." *Journal of Industrial Microbiology & Biotechnology* **37**(11): 1171-1182.

Zhao, W. G., P. Zhao, Y. M. Tian, C. Y. Shen, Z. P. Li and C. Jin (2019). "Transport and retention of *Microcystis aeruginosa* in porous media: Impacts of ionic strength, flow rate, media size and pre-oxidization." *Water Research* **162**: 277-287.

Zhao, Z. A., Y. Zhao, Y. L. Ning, N. Yang, Y. Peng, P. Li, X. Y. Chen, D. Liu, H. Wang, X. Chen, W. Bai, J. F. Chen and Y. G. Zhou (2017). "Adenosine A(2A) receptor inactivation alleviates early-onset cognitive dysfunction after traumatic brain injury involving an inhibition of tau hyperphosphorylation." *Translational Psychiatry* **7**: 12.

Zheng, Y. H., X. M. Huang and T. U. Rahman (2019). "Programmable power supply design based on biological factor interference mechanism." *Journal of Engineering-Joe* **2019**(23): 9148-9151.

Zhou, M., J. F. Bi, J. Lyu, J. X. Chen, R. X. Wang, X. Liu and A. Richel (2021). "Structural conversion of pectin fractions during heat processing in relation to the ability of inhibiting lipid digestion: A case study of hawthorn pectin." *Food Hydrocolloids* **117**: 10.

Zhou, X. T. and R. G. Carter (2006). "Synthesis of the C1-C26 northern portion of azaspiracid-1: Kinetic versus thermodynamic control of the formation of the bis-spiroketal." *Angewandte Chemie-International Edition* **45**(11): 1787-1790.

Zhou, Y. P., P. Olt, B. Neuhauser, N. Moradtalab, W. Bautista, C. Uhde-Stone, G. Neumann and U. Ludewig "Loss of LaMATE impairs isoflavonoid release from cluster roots of phosphorus-deficient white lupin." *Physiologia Plantarum*: 14.

Zhu, L., Y. L. Wu, L. R. Song and N. Q. Gan (2014). "Ecological Dynamics of Toxic *Microcystis* spp. and Microcystin-Degrading Bacteria in Dianchi Lake, China." *Applied and Environmental Microbiology* **80**(6): 1874-1881.

Zhu, S. M., D. D. Yin, N. Y. Gao, S. Q. Zhou, Z. C. Wang and Z. D. Zhang (2016). "Adsorption of two microcystins onto activated carbon: equilibrium, kinetic, and influential factors." *Desalination and Water Treatment* **57**(50): 23666-23674.

Zimmermann, S., S. Thomine, J. Guern and H. Barbierbryggo (1994). "AN ANION CURRENT AT THE PLASMA-MEMBRANE OF TOBACCO PROTOPLASTS SHOWS ATP-DEPENDENT VOLTAGE REGULATION AND IS MODULATED BY AUXIN." Plant Journal **6**(5): 707-716.

Zinkone, T. R., I. Gifuni, L. Lavenant, J. Pruvost and L. Marchal (2018). "Bead milling disruption kinetics of microalgae: Process modeling, optimization and application to biomolecules recovery from Chlorella sorokiniana." Bioresource Technology **267**: 458-465.

Zivadinovic, D. and C. S. Watson (2005). "Membrane estrogen receptor-alpha levels predict estrogen-induced ERK1/2 activation in MCF-7 cells." Breast Cancer Research **7**(1): R130-R144.

Zorkovska, A., P. Kollar, J. Kovac, P. Sovak, P. Matta and M. Konc (1998). "Structure, crystallization and magnetic behaviour of Fe-RE-Cu-Si-B alloys (RE=Pr, Nd, Gd)." Journal De Physique Iv **8**(P2): 237-240.

Zou, Y., X. M. Wei, H. W. Weng, H. Y. Li, J. S. Liu and W. D. Yang (2015). "Expression profile of eight glutathione S-transferase genes in Crassostrea ariakensis after exposure to DSP toxins producing dinoflagellate *Prorocentrum lima*." Toxicon **105**: 45-55.

Zwiener, C. and F. H. Frimmel (2004). "LC-MS analysis in the aquatic environment and in water treatment technology - a critical review - Part II: Applications for emerging contaminants and related pollutants, microorganisms and humic acids." Analytical and Bioanalytical Chemistry **378**(4): 862-874.