	Publication title	DOI	Journal name	First Author	Other authors	Date
1	Detection of cyanotoxins in algae dietary supplements	10.3390/toxins9030076	**Toxins**	Audrey Roy-Lachapelle	Morgan Solliec, Maryse F. Bouchard, Sébastien Sauvé	2017
2	Analysis of individual and total microcystins in surface water by on-line preconcentration and desalting coupled to liquid chromatography tandem mass spectrometry	10.1016/j.chroma.2017.07.096.	**Journal of Chromatography A**	Gabriel Munoz	Sung Vo Duy, Audrey Roy-Lachapelle, Barry Husk, Sébastien Sauvé	2017
3	Neoliberal performatives and the "making" of payments for ecosystem services (PES). Progress in Human Geography.	10.1177/0309132517735707	**Progress in Human Geography**	Vijay Kolinjivadi	Van Hecken, G., Vela-Almeida, D., Kosoy, N., and Dupras, J.	2017
4	Silencing Agency in Payments for Ecosystem Services (PES) by Essentializing a Neoliberal 'Monster' into Being: A Response to Fletcher & Büscher's 'PES Conceit'	10.1016/j.ecolecon.2017.10.023	**Ecological Economics**	Gert Van Hecken	Kolinjivadi, V., Windey, C., McElwee, P., Shapiro-Garza, E., Huybrechs, F., and Bastiaensen, J.	2017
5	Removal of algal taste and odour compounds by granular and biological activated carbon in full-scale water treatment plants	https://doi.org/10.2166/ws.2018.001	**Water Science and Technology**	Aisha Faruqi	Milann Henderson, Rita K Henderson, Richard Stuetz, Brendan Gladman, Bridget McDowall, Arash Zamyadi.	2018
6	Characterising and predicting cyanobacterial blooms in an 8-year amplicon sequencing time-course	10.1038/ismej.2017.58	**The ISME Journal**	Nicolas Tromas	Nathalie Fortin, Larbi Bedrani, Yves Terrat, Pedro Cardoso, David Bird, Charles W Greer, B. Jesse Shapiro.	2017
7	Niche Separation Increases With Genetic Distance Among Bloom-Forming Cyanobacteria	10.3389/fmicb.2018.00438	**Frontiers in Microbiology**	Nicolas Tromas	Zofia E. Taranu, Bryan D. Martin, Amy Willis, Nathalie Fortin, Charles W. Greer, B. Jesse Shapiro.	2018
8	Biodegradation of microcystin-LR using acclimatized bacteria isolated from different units of the Drinking Water Treatment Plant	10.1016/j.envpol.2018.07.008	**Journal of Environmental Pollution**	Pratik Kumar	Krishnamoorthy Hegde; Satinder Kaur Brar; Maximilliano Cledon; Audrey Roy-Lachapelle;Azadeh Kermanshahi-pour;Rosa Galvez-Cloutier	2018
9	Physico-chemical treatment for the degradation of cyanotoxins with emphasis on drinking water treatment—How far have we come?	10.1016/j.jece.2018.08.032	**Journal of environmental chemical engineering**	Pratik Kumar	Krishnamoorthy Hegde; Satinder Kaur Brar; Maximilliano Cledon; Azadeh Kermanshahi-pour	2018
10	Le rôle des infrastructures naturelles pour la gestion des eaux de ruissellement et des crues dans un contexte d'adaptation aux changements climatiques	https://doi.org/10.7202/1054114ar	**Le Naturaliste canadien**	Caroline Simard	L'Écuyer-Sauvageau, C., Bissonnette, J.-F., Dupras, J.	2018
11	Water quality trading schemes as a form of state intervention: Two case studies of state-market hybridization from Canada and New Zealand.	https://doi.org/10.1016/j.ecoser.2019.01.002	**Ecosystem Services**	Bilal Tabaichount	Wood, S.L.R., Kermagoret, C., Kolinjivadi, V., Bissonnette, J.F., Zaga Mendez, A., Dupras, J.	2019
12	Coherence of Microcystis species revealed through population genomics	https://doi.org/10.1038/s41396-019-0481-1	**The ISME Journal**	Olga M Pérez-Carrasca	Yves Terrat, Alessandra Giani, Nathalie Fortin, Charles W Greer, Nicolas Tromas , B. Jesse Shapiro.	2019
13	Diagnosing water treatment critical control points for cyanobacterial removal: Exploring benefits of combined microscopy, next-generation sequencing, and cell integrity methods	https://doi.org/10.1016/j.watres.2019.01.002	**Water Research**	Arash Zamyadi	Caitlin Romanis, Toby Mills, Brett Neilan, Florence Choo, Lucila A. Coral, Deb Gale, Gayle Newcombe, Nick Crosbie, Richard Stuetz. Rita K. Henderson	2019

14	Enhanced real-time cyanobacterial fluorescence monitoring through chlorophyll-a interference compensation corrections	https://doi.org/10.1016/j.watres.2018.10.034	**Water Research**	Florence Choo	A. Zamyadi, R. M. Stuetz, G. Newcombe, K. Newtond, R. K. Henderson	2019
15	Potential of biological approaches for cyanotoxin removal from drinking water: A review	https://doi.org/10.1016/j.ecoenv.2019.01.066	**Ecotoxicology and Environmental Safety**	Pratik Kumar	Hegde K, Brar SK, Cledon M, Kermanshahi-Pour A.	2019
16	Putting nature 'to work' through Payments for Ecosystem Services (PES): Tensions between autonomy, voluntary action and the political economy of agri-environmental	https://doi.org/10.1016/j.landusepol.2018.11.012	**Land Use Policy**	Vijay Kolinjivadi	Alejandra Zaga-Mendez, Jérôme Dupras.	2018
17	Novel fluidized-bed biofilm reactor for concomitant removal of microcystin-LR and organics	https://doi.org/10.1016/j.cej.2018.11.119	**Journal of Chemical Engineering**	Pratik Kumar	Krishnamoorthy Hegde; Satinder Kaur Brar; Maximilliano Cledon; Audrey Roy-Lachapelle;Azadeh Kermanshahi-pour;Rosa Galvez-Cloutier	2019
18	Cold plasma oxidation of harmful algae and associated metabolite BMAA toxin in aqueous suspension	https://doi.org/10.1002/ppap.201800137	**Plasma Processes and Polymers**	Bernard Nisol	Sean Watson, Yves Leblanc, Saber Moradinejad, Michael R. Wertheimer, Arash Zamyadi	2018
19	Agro-industrial residues as a unique support in a sand filter to enhance the bioactivity to remove microcystin-Leucine aRginine and organics	https://doi.org/10.1016/j.scitotenv.2019.03.260	**Science of The Total Environment**	Pratik Kumar	Heidi Dayana Pascagaza Rubio, Krishnamoorthy Hegde, Satinder Kaur Brar, Maximiliano Cledon, Azadeh Kermanshahi-pour, Sébastien Sauvé, Audrey Roy-Lachapelle, Rosa Galvez-Cloutier	2019
20	Understanding the preferences of water users in a context of cyanobacterial blooms in Quebec	https://doi.org/10.1016/j.jenvman.2019.109271	**Journal of Environmental Management**	Chloé L'Ecuyer-Sauvageau	Charlène Kermagoret, Jérôme Dupras, Jie He, Justin Leroux, Marie-Pier Schinck, Thomas Poder.	2019
21	Using Advanced Spectroscopy and Organic Matter Characterization to Evaluate the Impact of Oxidation on Cyanobacteria	10.3390/toxins11050278	**Toxins**	Saber Moradinejad	Caitlin M. Glover, Jacinthe Mailly, Tahere Zadfathollah Seighalani, Sigrid Peldszus, Benoit Barbeau, Sarah Dorner, Michèle Prévost and Arash Zamyadi	2019
22	Analysis of the neurotoxin β-N-methylamino-L-alanine (BMAA) and isomers in surface water by FMOC derivatization liquid chromatography high resolution mass spectrometry	https://doi.org/10.1371/journal.pone.0220698	**PLOS ONE**	Sung Vo Duy	Gabriel Munoz, Quoc Tuc Dinh, Dat Tien Do, Dana F Simon, Sébastien Sauvé.	2019
23	Economic impact of harmful algal blooms on human health: a systematic review	https://doi.org/10.2166/wh.2019.064	**Journal of Water and Health**	Christian R. C. Kouakou	Thomas G. Poder	2019
24	Analysis of multiclass cyanotoxins (microcystins, 1 anabaenopeptins, cylindrospermopsin and anatoxins) 2 in lake waters using online SPE liquid 3 chromatography high-resolution Orbitrap mass 4 spectrometry	10.1039/C9AY01132C	**Analytical Methods**	Audrey Roy-Lachapelle	Sung Vo Duy, Gabriel Munoz, Quoc Tuc Dinh, Emmanuelle Bahl, Dana F. Simon, Sébastien Sauvé.	2019
25	Performance of Vacuum UV (VUV) for the degradation of MC-LR, geosmin, and MIB from cyanobacteria-impacted waters	10.1039/C9EW00538B	**Environmental Science: Water Research and Technology**	Flavia Visentin	Siddharth Bhartia, Madjid Mohseni, Sarah Dorner and Benoit Barbeau	2019

26	Co-culturing of native bacteria from drinking water treatment plant with known degraders to accelerate microcystin-LR removal using biofilter.	https://doi.org/10.1016/j.cej.2019.123090	**Chemical Engineering Journal**	Pratik Kumar	Hegde K, Brar SK, Cledon M, Kermanshahi-pour, Roy-Lachapelle A, Sauvé S, Galvez-Cloutier R	2020
27	A Data-IndependentMethodology for the Structural Characterization ofMicrocystins and Anabaenopeptins Leading to the Identification of Four New Congeners	https://doi.org/10.3390/toxins11110619	**Toxins**	Audrey Roy-Lachapelle	Morgan Solliec, Sébastien Sauvé, Christian Gagnon.	2019
28	Physical and biological removal of Microcystin-LR and other water contaminants in a biofilter using coated sand composites.	https://doi.org/10.1016/j.scitotenv.2019.135052	**Science of the Total Environment**	Pratik Kumar	Rehab H, Krishnamoorthy Hegde K, Satinder Kaur Brar SK, Cledon M, Kermanshahi-pour A, Sauvé S, Galvez-Cloutier R.	2020
29	Impact of vacuum UV on natural and algal organic matter from cyanobacterial impacted waters	https://doi.org/10.1039/C9EW01068H	**Environmental Science: Water Research and Technology**	Flavia Visentin	Siddharth Bhartia, Madjid Mohseni, Sigrid Peldszus, Sarah Dorner and Benoit Barbeau	2020
30	Comparing the functional characteristics of two agri-environmental schemes in Quebec and their effects on farmers' participation	https://www.thecommonsjournal.org/articles/10.5334/ijc.1002/	**Journal of commons**	Alejandra Zaga Mendez	Kolinjivadi, V., Bissonnette, J. F., Dupras, J.	2020
31	Risk, Drinking Water and Harmful Algal Blooms: A Contingent Valuation of Water bans	10.1007/s11269-020-02653-x	**Water Resources and Management**	Marie-Pier Schinck, M.P.	L'Ecuyer-Sauvageau, C., Leroux, J., Kermagoret, C., Dupras, J.	2020
32	Financing on-farm ecosystem services in southern Quebec, Canada: A public call for pesticides reduction	https://doi.org/10.1016/j.ecolecon.2021.106997	**Ecological Economics**	Ann Lévesque	Kermagoret, C., Poder, G. T., L'Ecuyer-Sauvageau, C., He, J., Sauvé, S., Dupras, J.	2021
33	A large-scale assessment of lakes reveals a pervasive signal of land use on bacterial communities	https://www.nature.com/articles/s41396-020-0733-0	**The ISME Journal**	S.A. Kraemer	N. Barbosa da Costa, B.J. Shapiro, M. Fradette, Y. Huot, D. Walsh	2020
34	Evaluation of ELISA-based method for total anabaenopeptins determination and comparative analysis with on-line SPE-UHPLC-HRMS in freshwater cyanobacterial blooms	https://doi.org/10.1016/j.talanta.2020.121802	**Talanta**	Audrey Roy-Lachapelle	Morgan Solliec, Sébastien Sauvé, Christian Gagnon	2020
35	Stability issues of microcystins, anabaenopeptins, anatoxins, and cylindrospermopsin during short-term and long-term storage of surface water and drinking water samples	https://doi.org/10.1016/j.hal.2020.101955	**Harmful Algae**	Quoc Tuc Dinh	Gabriel Munoz, Dana F. Simon, Sung Vo Duy, Barry Husk, Sébastien Sauvé	2020
36	Extreme rainfall drives early onset cyanobacterial bloom	https://doi.org/10.1139/facets-2020-0022	**FACETS**	Megan L. Larsen	Helen M. Baulch, Sherry L. Schiff Dana F. Simon, Sébastien Sauvé and Jason J. Venkiteswaran	2020
37	Occurrence of microcystins, anabaenopeptins and other cyanotoxins in freshwater fish impacted by harmful cyanobacterial blooms	https://doi.org/10.1016/j.toxicon.2021.02.004	**Toxicon**	Mourad Skafi	Sung Vo Duy, Gabriel Munoz, Quoc Tuc Dinh, Dana F. Simon, Philippe Juneau, Sébastien Sauvé, PhD	2021
38	Removal of microcystin-LR and other water pollutants using sand coated with bio-optimized carbon submicron particles: Graphene oxide and reduced graphene oxide	10.1016/j.cej.2020.125398	**Chemical Engineering Journal**	Pratik Kumar	José Alberto Espejel Pérez MaximilianoCledon Satinder Kaur Brar, Sung VoDuy, SébastienSauvé, ÉmileKnystautas	2020

39	Diversity Assessment of Toxic Cyanobacterial Blooms during Oxidation	https://doi.org/10.3390/toxins12110728	**Toxins**	Saber Moradinejad	Hana Trigui, Juan Francisco Guerra Maldonado, Jesse Shapiro, Yves Terrat, Arash Zamyadi, Sarah Dorner and Michèle Prévost	2020
40	Improved extraction of multiclass cyanotoxins from soil and sensitive quantification with on-line purification liquid chromatography tandem mass spectrometry	https://doi.org/10.1016/j.talanta.2020.120923	**Talanta**	Yanyan Zhan	Joann K. Whalen, Sung Vo Duy, Gabriel Munoz, Sébastien Sauvé, Barry R. Husk	2020
41	Quantitative screening for cyanotoxins in soil and groundwater ofagricultural watersheds in Quebec, Canada	https://doi.org/10.1016/j.chemosphere.2021.129781	**Chemosphere**	Yanyan Zhan	Barry R. Husk, Sung Vo Duy, Quoc Tuc Dinh, Juan Sebastian Sanchez , Sébastien Sauvé, Joann K. Whalen.	2021
42	Bioavailable Nutrients (N and P) and Precipitation Patterns Drive Cyanobacterial Blooms in Missisquoi Bay, Lake Champlain**.**	https://pubmed.ncbi.nlm.nih.gov/34683418/	**Microbiology**	Sukriye Celikkol	Nathalie Fortin, Nicolas Tromas, Herinandrianina Andriananjamanantsoa and Charles W. Greer	2021
43	Le droit international de l'environnement (juillet 2019-juin 2021)	https://rje.revuesonline.com/article.jsp?articleId=42673	**Revue juridique de l'environnement**	Jochen Sohnle	Hélène Trudeau	2021
44	Removal of microcystin-LR and other water pollutants using sand coated with bio-optimized carbon submicron particles: Graphene oxide and reduced graphene oxide	10.1016/j.cej.2020.125398	**Chemical Engineering Journal**	Pratik Kumar	José Alberto Espejel Pérez MaximilianoCledon Satinder Kaur Brar, Sung VoDuy, SébastienSauvé, ÉmileKnystautas	2020
45	Can Cyanobacterial Diversity in the Source Predict the Diversity in Sludge and the Risk of Toxin Release in a DrinkingWater Treatment Plant?	https://doi.org/10.3390/toxins13010025	**Toxins**	Farhad Jalili	Hana Trigui, Juan Francisco Guerra Maldonado, Sarah Dorner, Arash Zamyadi, B. Jesse Shapiro, Yves Terrat, Nathalie Fortin, Sébastien Sauvé and Michèle Prévost	2021
46	Metagenomic study to evaluate functional capacity of a cyanobacterial bloom during oxidation	https://doi.org/10.1016/j.ceja.2021.100151	**Chemical Engineering Journal Advances**	Saber Moradinejad	Hana Trigui a, Juan Francisco Guerra Maldonado, B. Jesse Shapiro, Yves Terrat, Sébastien Sauvé, Nathalie Fortin, Arash Zamyadi, Sarah Dorner, Michèle Prévost	2021
47	The effects of ferric sulfate (Fe2(SO4)3) on the removal of cyanobacteria	https://doi.org/10.3390/toxins13110753	**Toxins**	Kim Thien Nguyen Le	Eyerusalem Goitom; Hana Trigui; Sébastien Sauvé; Michèle Prévost; Sarah Dorner	2021
48	Towards collective action in ecosystem services governance: The recognition of social interdependencies in three collective agri-environmental initiatives in Quebec	https://doi.org/10.1016/j.ecoser.2021.101357		Alejandra Zaga Mendez	Bissonnette, Kolinjivadi, V., J. F., Cleaver, F., Dupras, J.	2021
49	Circular economy of water: Tackling quantity, quality and footprint of water	https://doi.org/10.1016/j.envdev.2021.100651	**Environmental Development**	Sébastien Sauvé	Sébastien Lamontagne, Jérôme Dupras, Walter Stahel	2021
50	Occurrence of BMAA Isomers in Bloom-Impacted Lakes and Reservoirs of Brazil, Canada, France, Mexico, and the United Kingdom	https://doi.org/10.3390/toxins14040251	**Toxins**	Safa Abbes	Vo Duy, S.; Munoz, G.; Dinh, Q.T.; Simon, D.F.; Husk, B.; Baulch, H.M.; Vinçon-Leite, B.; Fortin, N.; Greer, C.W.; Larsen, M.L.; Venkiteswaran, J.J.; Martínez Jerónimo, F.F.; Giani, A.; Lowe, C.D.; Tromas, N.; Sauvé, S.	2022