



Steven A. Loiselle

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Education

B.Sc Chemical Engineering, 1986
Rensselaer Polytechnic Institute
Troy, New York, USA

PhD – Environmental Chemistry, 1996 - 2000
Thesis title: Environmental spectroscopy in the analysis and modeling of aquatic ecosystems
Department of Chemical and Biosystem Sciences, Università degli Studi di Siena

Professional

Associate Professor
Dipartimento di Biotecnologie, Chimica e Farmacia, Università degli Studi di Siena
Siena, Italy, 2002 - present

Member – UNEP Global Environment Monitoring System (GEMS/Water) Advisory Board
Member – Royal Society of Chemistry, UK
Member – Italian Society of Chemistry (Società Italiana di Chimica)
Associate – Istituto per il Rilevamento Elettromagnetico dell'Ambiente (CNR)
Founder – FreshWater Watch (international scientific network)
Member – ASLO (Association for the Sciences of Limnology and Oceanography)
Member – GEOBON Freshwater division (international scientific network)

Research Activities

Workstream Lead	OTTERS Transformation for Water Stewardship through Scaling Up Citizen Science Horizon 101094041 (https://doi.org/10.3030/101094041) 2022 – 2025
Principal Investigator	Citizen science methods for SDG 632 monitoring, World Water Quality Alliance, United Nations Environment Programme 2021 – 2023
Principal Investigator	UNEP GEMS Global Environment Monitoring System for Water (GEMS/Water) regarding Sustainable Development Indicator 6.3.2, 2021 – 2023
Co-Principal Investigator	Impacts of Future Climate Change on Water Quality and Ecosystem in the Middle and Lower Reaches of the Yangtze River (EOWAQWET), ESA Dragon project no. 58815, 2020 - 2024
Co-Principal Investigator	Sustainable farming and Outreach with Stevia Growers in China, Tate and Lyle, Earthwatch, Nanjing Agricultural University, 2022 – 2023
Team coordinator and investigator	MONOCLE - Multiscale Observation Networks for Optical monitoring of Coastal waters, Lakes and Estuaries- SC5-18-2017, 2018 – 2022 https://doi.org/10.3030/776480
Investigator	MICS - Developing metrics and instruments to evaluate citizen science impacts on the environment and society (H2020: 824711), 2019 – 2022, https://doi.org/10.3030/824711
Principal Investigator	Integrated Study of Ecosystem services in the Piave river basin, Eastern Alps River Basin Authority (IT) 2019-2021
Principal Investigator	HSBC Global Water Programme – HSBC 2017 - 2020
Co-Principal Investigator	New Earth Observation tools for biogeochemical studies of Yangtze Valley lakes (BioGeoLakes), European Space Agency – Chinese NRSCC 2016 - 2020
Project supervisor	POSIEDOMM - Photochemistry at the Ocean's Surface: Effects and Interactions of Dissolved Organic Matter with Microplastics (H2020MSCA-IF) 2016-2018

Team coordinator and investigator	Ground Truth 2.0 - Environmental knowledge discovery of human sensed data - H2020-SC5-2015, 2016 – 2019 https://doi.org/10.3030/689744
Principal Investigator	FreshWater Watch – Earthwatch global citizen science research programme in freshwater aquatic science in urban and periurban environments 2013 – present
Research Partner	A Water Quality Forecaster Using Citizen Observatories, Centre for Ecology and Hydrology, NERC NEC05679, 2014 - 2015
Principal Investigator	Remote sensing based monitoring of carbon dynamics (CarbMonit), European Space Agency – Chinese NRSCC 2012 - 2016
Co-Principal Investigator	East African Great Lakes Observatory (EAGLO-ESPA), National Research Council (UK) 2010 – 2012
Scientific Coordinator	Climate change impacts in transitional water systems in the Mediterranean, Medcodyn, EU CIRCLE-Med program 2008-2010
Team Coordinator	Impact of changing hydrodynamics on the biodiversity of the Iberá lakes (BBVA Biodiversity program) 2006-2008
Scientific and Project Coordinator	Tools for wetland ecosystem resource management in Eastern Africa, ECOTOOLS, ICA4-CT-2001-10036, 2001- 2005
Team Coordinator	Regional aspects of the sustainable management of wetland resources, REGWET, CT-2002-50027 2002-2004
Scientific coordinator	The Sustainable Management of Wetland Resources in Mercosur, ERB IC18 - CT98 – 0262, 1998-2002

Organizer of the following international scientific conferences and conference sessions

Convener	United Nations Global Environment Monitoring System for Freshwater (GEMS/Water) – Knowledge sharing workshop, UN Headquarters, Nairobi Kenya, November, 2023
Co-convener	EGU General Assembly 2022 ITS4.2/ERE1.11: Solutions for a resilient natural environment: opportunities and challenges of ecosystem services assessment
Session Chair	SIWI World Water Week: People power: Empowering people in integrated water and waste management, August 2017
Session Chair	33rd SIL Congress: Community limnology: Citizens and communities supporting freshwater research, Torino, Italy, July 2016
Session Chair	COWM 2016 conference: Citizen observatories and Catchment monitoring Venice, Italy, June, 2016
Session Chair	ASLO Aquatic Science: People Power: global opportunities and perspectives Grenada, Spain, February 2015
Session Chair	Earthwatch Summit: Bringing the science to citizen science Cambridge (MA), USA, November 2014
Conference organiser	The Aquatic Ecosystem Puzzle: Threats, Opportunities & Adaptation Siena, Italy June 2011, participation - 120 scientists from 35 countries
Organizer and moderator	EU DGXII Advanced Study Course, Environmental Change: Valuation Methods and Sustainability Indicators, August/September 1998, participation - 35 EU PhDs

Visiting Professor and external project advisor

Visiting Scholar	Chinese Academy of Sciences, NIGLAS - 2010
Visiting Professor	Chinese Academy of Sciences, NIGLAS 2012- 2016
External project advisor	SymBioRem, Horizon Europe 2022 - 2026
Invited external expert	Water-ForCE Working Group (EU H2020, 101004186)

Doctorate supervisor and tutor

University of Siena	Francesco Di Grazia (2019 – 2022) Amedeo Boldrini (2021- 2024) Alessio Polvani (2023 -2026)
University of Dar Es Salaam (Tanzania)	Happiness Moshi Anold (2019 -2022)
Chinese Academy of Sciences	Guangjia Jiang, (2012 -2015)

Invited advisory board member for international projects

Advisory Board	SYMBIOREM (EU Horizon 2022) Symbiotic, circular bioremediation systems and biotechnology solutions for improved environmental, economic and social sustainability in pollution control (coordinator, Univ. Bilbao)
Project advisor	NERC SMARTWATER project (coordinator, Univ. Birmingham)

Invited Speaker (since 2009)

Keynote speaker	Water Resources Commission Symposium, South Africa, September 2022
Invited speaker	CitSciOz21, Sydney, Australia, October 2021
Invited speaker	European Environment Agency, Aarhus convention side event, October 2021
Session chairperson and keynote	International Symposium on Watershed Geographic Sciences, Nanjing, October 2018
Session chairperson	Citizens Observatories for Water Management, Venice, Italy 2018
Keynote speaker	VIII Congreso Argentino de Limnología, Lujan, Argentina 2018
Keynote speaker	Verso una strategia condivisa per la citizen science in Italia, Rome, 2018
Invited speaker	EFC/FAO Mountain Watersheds, Prague, Czech Republic 2017
Keynote speaker	Environmental Change Institute, Oxford, UK 2017
Keynote speaker	Geneva Water Hub, WMO, Geneva, Switzerland 2016
Invited speaker	SIWI World Water Week, Stockholm, 2016
Invited speaker	ESA – NISC Dragon programme, Wuhan Dragon 3 conference, June, 2016
Invited speaker	Kings College London, Environmental Dynamics lecture series, London, UK, 2016
Keynote speaker	Citizens Observatories for Water Management, Venice, Italy 2016
Invited speaker	OCTF Lecture series, Oxford University Centre for the Environment, April, 2016
Invited speaker	HydroEcology, Univ. of Natural Resources & Life Sciences, Vienna, April, 2015
Keynote speaker	Linnean Society, London Freshwater Group Spring Meeting, March, 2015
Lead session speaker	ASLO Aquatic Sciences Meeting, Session 3, February, 2015
Keynote speaker	Royal Geographic Society, Freshwater Challenge, February, 2015
Invited speaker	Stockholm World Water Week, Transformation through Collaboration, August, 2014
Keynote speaker	13th Remote Sensing Symposium on Class II Waters (Nanjing), October 2013
Invited Speaker	NASA Goddard, USA: Carbon dynamics in aquatic ecosystems April 2009

Teaching (since 2002)

Masters level: Environmental Spectroscopy, Advanced Analytical Chemistry
Undergraduate: Environmental Physical Chemistry Laboratory, Environmental Chemistry, Applied Chemistry for Physics, Analytical Chemistry 1
Tutor/mentor for 16 Masters theses
Co-tutor/mentor for 4 PhD theses (Univ. of Siena, Chinese Academy of Sciences, Univ. Dar El Salaam)

Editorial and review activities

Editorial board for the following international scientific journals

- Scientific Reports (Academic Editor)
- PlosONE (Academic Editor)

Guest Editor for the following scientific journals

Science of the Total Environment
Freshwater Science
International Journal of Applied Earth Observations and Geoinformation
Ecological Modelling
Regional Environmental Change
Remote Sensing
Sustainability
Journal of Limnology
Wetland Ecology and Management (Academic Editor)

Reviewer for numerous international scientific journals, including:

Environmental Science and Technology, Photochemistry and Photobiology, Environmental Monitoring and Assessment, Science of the Total Environment, Ecological Applications, Journal of Physical Chemistry, Water Resources, Limnology and Oceanography, Journal of Applied Ecology, Ecological Modelling, Ecological Indicators, Hydrobiologia, Fisheries Research, Applied Vegetation Science, Canadian Journal of Fisheries and Aquatic Sciences

Reviewer for the international proposals, PhD theses and professorships

Reviewer for the Belgian Science Policy Office STEREO Programme (2014-2016), reviewer for the Austrian Zentrum Fur Citizen Science grants programme (2016 - 2021), reviewer for UNESCO-IHE COFUND project (2019)
Reviewer for national (Italy) projects related to Futuro in Ricerca e SIR projects
Reviewer for proposals to the French National Research Agency
External examiner for PhD research thesis for the University of Leicester (UK), UNESCO-IHE (NL), Universidad de Cadiz (ES), Politecnico di Milano (IT), University of Bologna, University of Zurich (CH)
Reviewer for Professorship, University of Toledo, OH, USA

Chapters in collective volumes

van Noordwijk, T., Bishop, I., Staunton-Lamb, S., Oldfield, A., Loiselle, S., Geoghegan, H. and Ceccaroni, L., 2021. Creating Positive Environmental Impact Through Citizen Science. In *The Science of Citizen Science* (pp. 373-395). Springer, Cham.

Loiselle, S.A.; Thornhill, I.; Bailey, N. 2016. Citizen science: advantages of shallow versus deep participation. *Frontiers in Environmental Science* DOI=10.3389/conf.FENVS.2016.01.00001.

Yan, W., Hutchins, M., Loiselle, S. and Hall, C., 2015. An Informatics Approach for Smart Evaluation of Water Quality Related Ecosystem Services. In *Data Science* (pp. 178-185). Springer International Publishing.

Loiselle, S.A., Duan, H. and Cao, Z., 2015. Characteristics of the Underwater Light Field. *Surface Water Photochemistry*, p.39.

Villa, P., H.T. Duan, S.A. Loiselle. 2015. Using Remote Sensing to Assess the Impact of Human Activities on Water Quality in Lake Taihu, China In: Younos, T., & Parece, T. E. *Advances in Watershed Science and Assessment*

Ballatore, T. J., S.R. Bradt, L. Olaka, A. Cózar, and S. A. Loiselle. 2014. Remote Sensing of African Lakes: A Review. In: *Remote Sensing of the African Seas*: 403-422

Loiselle S. A., A. Cózar, A. van Dam, F. Kansime, P. Kelderman, M. Saunders and S. Simonit. 2006. Development of tools for wetland ecosystem resource management in Eastern Africa, In [ed.] J. T. A.

Books

Loiselle S. A. and C. Rossi [ed]. 1999. Environmental Change; Valuation Methods and Sustainable Indicators. EUR publication 18761. ISBN 92-828-5381-0.

Publications in international scientific journals)

- 130 articles and 5300 citations (Google scholar, September, 2021)

Recent publications (since 2017)

- Cao, Z., Hu, C., Ma, R., Duan, H., Liu, M., Loiselle, S., Song, K., Shen, M., Liu, D. and Xue, K., 2023. MODIS observations reveal decrease in lake suspended particulate matter across China over the past two decades. *Remote Sensing of Environment*, 295, p.113724.
- Di Grazia, F., Garcia, X., Acuña, V., Llanos-Paez, O., Galgani, L., Gumiero, B. and Loiselle, S.A., 2023. Modeling dissolved and particulate organic carbon dynamics at basin and sub-basin scales. *Science of the Total Environment*, 884, p.163840.
- Ma, J., Loiselle, S., Cao, Z., Qi, T., Shen, M., Luo, J., Song, K. and Duan, H., 2023. Unbalanced impacts of nature and nurture factors on the phenology, area and intensity of algal blooms in global large lakes: MODIS observations. *Science of The Total Environment*, 880, p.163376.
- Moshi, H.A., Shilla, D.A., Brehim, J., Kimirei, I., O'Reilly, C. and Loiselle, S., 2023. Sustainable Management of the African Great Lake Coastal Areas: Motivations and Perspectives of Community Citizen Scientists. *Environmental Management*, pp.1-15.
- Galgani, L., Tzempelikou, E., Kalantzi, I., Tsiola, A., Tsapakis, M., Pitta, P., Esposito, C., Tsotskou, A., Magiopoulos, I., Benavides, R. and Steinhoff, T., 2023. Marine plastics alter the organic matter composition of the air-sea boundary layer, with influences on CO₂ exchange: A large-scale analysis method to explore future ocean scenarios. *Science of The Total Environment*, p.159624.
- Zhu, L., Gaggelli, N., Boldrini, A., Stubbins, A. and Loiselle, S.A., 2023. Exploring Methods for Understanding and Quantifying Plastic-Derived Dissolved Organic Matter. *Oceanography*, 36(1), pp.42-48.
- Jones, L., Reis, S., Hutchins, M., Miller, J., He, B., Seifert-Dähnn, I., Xu, C.Y., Hagen-Zanker, A., Yu, J., Lin, T. and Jia, H., 2022. Airsheds, watersheds and more—the flows that drive intra-extra-urban connections, and their implications for nature-based solutions (NBS). *Nature-Based Solutions*, p.100040. DOI: 10.1016/j.nbsj.2022.100040
- Winton, D., Marazzi, L. and Loiselle, S., 2022. Drivers of public plastic (mis) use—New insights from changes in single-use plastic usage during the Covid-19 pandemic. *Science of The Total Environment*, 849, p.157672.
- Moshi, H.A., Kimirei, I., Shilla, D., O'Reilly, C., Wehrli, B., Ehrenfels, B. and Loiselle, S., 2022. Citizen scientist monitoring accurately reveals nutrient pollution dynamics in Lake Tanganyika coastal waters. *Environmental monitoring and assessment*, 194(10), pp.1-18.
- Kasprzyk-Hordern, B., et al. 2022. Wastewater-based epidemiology in hazard forecasting and early-warning systems for global health risks, *Environment International*, 161, <https://doi.org/10.1016/j.envint.2022.107143>
- Moshi, H.A., Shilla, D.A., Kimirei, I.A., O'Reilly, C., Clymans, W., Bishop, I. and Loiselle, S.A., 2022. Community monitoring of coliform pollution in Lake Tanganyika. *PloS one*, 17(1), p.e0262881.
- Liu, D., Yang, H., Thompson, J.R., Li, J., Loiselle, S. and Duan, H., 2022. COVID-19 lockdown improved river water quality in China. *Science of The Total Environment*, 802, p.149585.
- Pashaei, R., Loiselle, S.A., Leone, G., Tamasi, G., Dzingelevičienė, R., Kowalkowski, T., Gholizadeh, M., Consumi, M., Abbasi, S., Sabaliauskaitė, V. and Buszewski, B., 2021. Determination of nano and microplastic particles in hypersaline lakes by multiple methods. *Environmental Monitoring and Assessment*, 193(10), pp.1-15.
- Zhang, Y., Loiselle, S., Zhang, Y., Wang, Q., Sun, X., Hu, M., Chu, Q. and Jing, Y., 2021. Comparing Wetland Ecosystems Service Provision under Different Management Approaches: Two Cases Study of Tianfu Wetland and Nansha Wetland in China. *Sustainability*, 13(16), p.8710.
- Boldrini, A., Galgani, L., Consumi, M. and Loiselle, S.A., 2021. Microplastics Contamination Versus Inorganic Particles: Effects on the Dynamics of Marine Dissolved Organic Matter. *Environments*, 8(3), p.21.
- Di Grazia, F.; Gumiero, B.; Galgani, L.; Troiani, E.; Ferri, M.; Loiselle, S.A. 2021. Ecosystem Services Evaluation of Nature-Based Solutions with the Help of Citizen Scientists. *Sustainability*, 13, 10629.

- Pudifoot, B., Cárdenas, M.L., Buytaert, W., Paul, J.D., Narraway, C.L. and Loiselle, S., 2021. When it rains, it pours: integrating Citizen science methods to understand resilience of urban green spaces. *Frontiers in Water*, 3, p.33.
- Lekshmi, B., Saha, D., Sutar, R.S., Singh, R., Prabhu, S.D., Kamat, A.M., Sharma, S., Saxena, R., Loiselle, S. and Asolekar, S.R., 2021. Science & Technology Agenda for Blue-Green Spaces Inspired by Citizen Science: Case for Rejuvenation of Powai Lake. *Sustainability*, 13(18), p.10061.
- Zhang, Y., Loiselle, S., Shi, K., Han, T., Zhang, M., Hu, M., Jing, Y., Lai, L. and Zhan, P., 2021. Wind Effects for Floating Algae Dynamics in Eutrophic Lakes. *Remote Sensing*, 13(4), p.800.
- Cárdenas, M.L., Wilde, V., Hagen-Zanker, A., Seifert-Dähnn, I., Hutchins, M.G. and Loiselle, S., 2021. The circular benefits of participation in nature-based solutions. *Sustainability*, 13(8), p.4344.
- Hutchins, M.G., Fletcher, D., Hagen-Zanker, A., Jia, H., Jones, L., Li, H., Loiselle, S., Miller, J., Reis, S., Seifert-Dähnn, I. and Wilde, V., 2021. Why scale is vital to plan optimal Nature-Based Solutions for resilient cities. *Environmental Research Letters*, 16(4), p.044008.
- Galgani, L. and Loiselle, S.A., 2021. Plastic pollution impacts on marine carbon biogeochemistry. *Environmental Pollution*, p.115598.
- Bishop, I.J., Warner, S., van Noordwijk, T.C., Nyoni, F.C. and Loiselle, S., 2020. Citizen Science Monitoring for Sustainable Development Goal Indicator 6.3. 2 in England and Zambia. *Sustainability*, 12(24), p.10271.
- Marazzi, L., Loiselle, S., Anderson, L.G., Rocliffe, S. and Winton, D.J., 2020. Consumer-based actions to reduce plastic pollution in rivers: A multi-criteria decision analysis approach. *PloS one*, 15(8), p.e0236410.
- Liu, D., Duan, H., Loiselle, S., Hu, C., Zhang, G., Li, J., Yang, H., Thompson, J.R., Cao, Z., Shen, M. and Ma, R., 2020. Observations of water transparency in China's lakes from space. *International Journal of Applied Earth Observation and Geoinformation*, 92, p.102187.
- Jiang, G., Loiselle, S.A., Yang, D., Ma, R., Su, W. and Gao, C., 2020. Remote estimation of chlorophyll a concentrations over a wide range of optical conditions based on water classification from VIIRS observations. *Remote Sensing of Environment*, 241, p.111735.
- Li, J., Ma, R., Xue, K. and Loiselle, S., 2020. Drivers to spatial and temporal dynamics of column integrated phytoplankton biomass in the shallow lake of Chaohu, China. *Ecological Indicators*, 109, p.105812.
- Winton, D.J., Anderson, L.G., Rocliffe, S. and Loiselle, S., 2020. Macroplastic pollution in freshwater environments: Focusing public and policy action. *Science of The Total Environment*, p.135242
- Zhang, Y., Ma, R., Liang, Q., Guan, B. and Loiselle, S., 2019. Secondary impacts of eutrophication control activities in shallow lakes: Lessons from aquatic macrophyte dynamics in Lake Taihu from 2000 to 2015. *Freshwater Science*, 38(4), pp.802-817.
- Galgani, L., Tsapakis, M., Pitta, P., Tsiola, A., Tzempelikou, E., Kalantzi, I., Esposito, C., Loiselle, A., Tsotskou, A., Zivanovic, S., Dafnomili, E., Diliberto, S., Mylona, K., Magiopoulos, I., Zeri, C., Pitta, E. and Loiselle, S.A., 2019. Microplastics increase the marine production of particulate forms of organic matter. *Environmental Research Letters*, 14(12), p.124085.
- Jiang, G., Loiselle, S.A., Yang, D., Gao, C., Ma, R., Su, W. and Duan, H., 2019. An absorption-specific approach to examining dynamics of particulate organic carbon from VIIRS observations in inland and coastal waters. *Remote Sensing of Environment*, 224, pp.29-43
- Miguel-Chinchilla, L., Heasley, E., Loiselle, S., Thornhill, I. 2019. Local and landscape influences on turbidity in urban streams: a global approach using citizen scientists *Freshwater Science*, 38(1), pp.000-000
- Wang, D.; Ma, R.; Xue, K.; Loiselle, S.A. 2019. The Assessment of Landsat-8 OLI Atmospheric Correction Algorithms for Inland Waters. *Remote Sensing*, 11, 169.
- Dawson, M.R., Hutchins, M., Bachiller-Jareno, N. and Loiselle, S., 2019. The spatial and temporal variation of water quality at a community garden site in an urban setting: citizen science in action. *Freshwater Science*, 38(1), pp.000-000.
- Galgani, L. and Loiselle, S.A., 2019. Plastic Accumulation in the Sea Surface Microlayer: An Experiment-Based Perspective for Future Studies. *Geosciences*, 9(2), p.66
- Thornhill, I., Loiselle, S., Clymans, W. and van Noordwijk, C.G.E., 2019. How citizen scientists can enrich freshwater science as contributors, collaborators, and co-creators. *Freshwater Science*, 38(2), pp.231-235.
- Li, J., Ma, R., Xue, K., Zhang, Y., Loiselle, S. 2018. A remote sensing algorithm of column-integrated algal biomass covering algal bloom conditions in the shallow eutrophic lake. *ISPRS International Journal of Geo-Information*. DOI: 10.3390/ijgi7120466

- Galgani L. Engel, A., Rossi, C., Donati, A., Loiselle, S., 2018. Polystyrene microplastics increase microbial release of marine Chromophoric Dissolved Organic Matter in microcosm experiment. *Nature Scientific Reports* 8: 14635
- Thornhill, I.; Chautard, A.; Loiselle, S. 2018. Monitoring Biological and Chemical Trends in Temperate Still Waters Using Citizen Science. *Water*, 10, 839.
- Cunha, D.G.F, Dodds W.K. Loiselle S.A. 2018. Factors related to water quality and thresholds for microcystin concentrations in subtropical Brazilian reservoirs, *Inland Waters*, DOI: 10.1080/20442041.2018.1492526.
- Tao, M., Duan, H., Cao, Z., Loiselle, S.A. and Ma, R., 2017. A hybrid eof algorithm to improve MODIS cyanobacteria phycocyanin data quality in a highly turbid lake: Bloom and nonbloom conditions. *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, 10(10), pp.4430-4444.
- Hadj-Hammou, J., Loiselle, S., Ophof, D., Thornhill, I., 2017. Getting the full picture: Assessing the complementarity of citizen science and agency monitoring data, *PLoS one* 12 (12), e0188507
- Shen, H., Duan, H., Cao, Z., Xue, K., Loiselle, S., Yesou H., 2017. Determination of the Downwelling Diffuse Attenuation Coefficient of Lake Water with the Sentinel-3A OLCI, *Remote Sensing* 9 (12), 1246
- Loiselle, S.A., Frost, P.C., Turak, E. and Thornhill, I., 2017. Citizen scientists supporting environmental research priorities, *Science of The Total Environment*, 584
- Duan, HT, Tao, M., Loiselle S.A., Zhao W., Cao Z., Ma R., Tang X., 2017 MODIS observations of cyanobacterial risks in a eutrophic lake: implications for long-term safety evaluation in drinking-water source. *Water Research* Volume 122; 455-470
- Thornhill, I., Ho, J.G., Zhang, Y., Li, H., Ho, K.C., Miguel-Chinchilla, L. and Loiselle, S.A., 2017. Prioritising local action for water quality improvement using citizen science; a study across three major metropolitan areas of China. *Science of The Total Environment*, 584, pp.1268-1281
- Cunha, D.G.F., Casali, S.P., de Falco, P.B., Thornhill, I. and Loiselle, S.A., 2017. The contribution of volunteer-based monitoring data to the assessment of harmful phytoplankton blooms in Brazilian urban streams. *Science of The Total Environment*, 584, pp.586-594
- Liang, Q., Zhang, Y., Ma, R., Loiselle, S., Li, J. and Hu, M., 2017. A MODIS-Based Novel Method to Distinguish Surface Cyanobacterial Scums and Aquatic Macrophytes in Lake Taihu. *Remote Sensing*, 9(2), p.133
- Cunha, D.G., Marques J.F, de Resende J.C., de Falco P.B., de Souza C.M, Loiselle S.A. 2017. Citizen science participation in research in the environmental sciences: key factors related to projects' success and longevity, (in press) *Anais da Academia Brasileira de Ciencias*