Special Issue

Water Quality Analysis and Phytoplankton Communities in Rivers and Lakes

Message from the Guest Editors

Phytoplankton is one of the most important groups of aquatic organisms. Its basic functions are related to the use of available mineral and often organic compounds and their incorporation into the biological cycle. Excessive development of phytoplankton, a high share of toxin-producing species, and unfavorable changes in the community structure are the first sign of the deteriorating ecological condition of the ecosystem. Thus, a phytoplankton-based water quality assessment may be the quickest signal for any unfavorable changes. Thanks to a holistic approach to phytoplankton research in lakes and rivers, it is possible to identify a number of problems related to eutrophication, both natural and resulting from the negative impact of human activity, detrimental water and sewage management, the influence of alien species of algae, plants and animals on ecosystems, and global and regional climate warming [...] For further reading, please follow the link to the Special Issue Website at: https://www.mdpi.com/journal/water/special_issues/water_quality_phytoplankton

Guest Editors

Prof. Dr. Ewa Anna Dembowska

Department of Microbiology and Immunobiology, Kazimierz Wielki University in Bydgoszcz, Bydgoszcz, Poland

Prof. Dr. Anna Kozak

Department of Water Protection, Faculty of Biology, Adam Mickiewicz University in Poznań, Poznań, Poland

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Water
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
water@mdpi.com

mdpi.com/journal/water

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Message from the Editor-in-Chief

In the context of global changes, the sustainable management of water cycles, going from global and regional water cycles to urban, industrial and agricultural water cycles, plays a very important role on the water resources and on their relationships with food, energy, biodiversity, ecosystem functioning and human health. *Water* invites authors to provide innovative original full articles, critical reviews and timely short communications and to propose special issues devoted to new technological and scientific domains and to interdisciplinary approaches of the water cycles. We ensure a critical review process and a quick turnaround between submission and final decision.

Editor-in-Chief

Dr. Jean-Luc PROBST
Centre de Recherche sur la Biodiversité l'Environnement (CRBE) UMR CNRS/UPS/INPT/IRD, Centre National de la Recherche Scientifique (CNRS), University of Toulouse, Campus ENSAT, Auzeville Tolosane, Toulouse, France

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