Special Issue

Diatom Biodiversity and Their Adaptation to Environment Change

Message from the Guest Editor

The issue aims to gather the latest research on the ecology, biogeography, and responses of diatoms to the dynamic transformations occurring in aquatic habitats. Diatoms (Bacillariophyta) are a highly diverse group of unicellular algae that play a fundamental role in aquatic ecosystems. Due to their sensitivity to environmental changes and high species richness, they are widely used in biomonitoring, including assessments of water quality and the effects of climate change and anthropogenic pressure. We warmly welcome submissions focusing on diatoms inhabiting a wide range of aquatic environments — from springs, streams, and rivers to lakes, wetlands, seas, and oceans. We are interested in floristic and taxonomic studies as well as research on community structure, ecological interactions, succession processes, and responses to anthropogenic factors. We encourage interdisciplinary approaches that integrate ecology, hydrobiology, geochemistry, paleoecology, and modern molecular methods.

Guest Editor

Dr. Mateusz Rybak
University of Rzeszów, Zelwerowicza 8B, 35-601 Rzeszów, 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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