



water



an Open Access Journal by MDPI

Urban Wastewater Treatment and Resource Utilization Based on Microalgae

Guest Editor:

Prof. Dr. Yu Hong

Beijing Key Laboratory for Source Control Technology of Water Pollution, College of Environmental Science and Engineering, Beijing Forestry University, Beijing 100083, China

Deadline for manuscript submissions:

30 June 2024

Message from the Guest Editor

Lab-scale and pilot-scale research projects are welcome to submit manuscripts to this Special Issue. The content of this Special Issue is not limited to the following areas, but any innovative full-length articles, reviews, and commentaries that can help improve the efficiency of urban wastewater treatment and resource utilization based on microalgae are very welcome. We are looking forward to receiving contributions to this Special Issue from researchers around the world.

Keywords

- microalgae-based urban wastewater treatment
- microalgae selection and breeding
- process optimization
- microalgae–bacterial combined wastewater treatment
- microalgae–fungus combined water treatment
- microalgae immobilization
- microalgae separation
- microalgae harvesting
- microalgae resource utilization
- environmental risk assessment



mdpi.com/si/163670

Special issue



water



an Open Access Journal by MDPI

Editor-in-Chief

Dr. Jean-Luc PROBST

Laboratory of Functional Ecology and Environment, Centre National de la Recherche Scientifique (CNRS), University of Toulouse, Campus ENSAT, Auzeville Tolosane, France

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), Ei Compendex, GEOBASE, GeoRef, PubAg, AGRIS, CAPlus / SciFinder, Inspec, and other databases.

Journal Rank: JCR - Q2 (*Water Resources*) / CiteScore - Q1 (*Water Science and Technology*)

Contact Us

Water Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/water
water@mdpi.com
[X@Water_MDPI](https://twitter.com/Water_MDPI)