Special Issue

Application of Biotechnology in Wastewater Treatment

Message from the Guest Editors

Wastewater contains many pollutants that have been regarded more as a resource. Biotechnologies have been proposed for simultaneous pollutant removal and resource recovery from wastewater. These biotechnologies can also address inherent challenges, including low treatment efficiency of emerging contaminants and emissions of greenhouse gases (e.g., CO2, CH4, and N2O) in wastewater treatment. This Special Issue invites original research papers or review papers covering the development and/or analysis of innovative biotechnologies to treat and recover valuable resources from wastewater. Example topics that are of interest to this Special Issue include but are not limited to:

- Nutrient removal and recovery from wastewater;
- Removal of emerging contaminants, e.g., antibiotics, microplastics, pharmaceuticals and personal care products, perfluorinated compounds;
- Removal of heavy metals.

Guest Editors

Dr. Min Zheng

Dr. Jia Meng

Dr. Philip Antwi

Deadline for manuscript submissions

closed (24 October 2022)

Water

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 6.0

mdpi.com/si/106063

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

mdpi.com/journal/water

Water

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 6.0

mdpi.com/journal/water

About the Journal

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

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 (Aquatic Science)

MDPI