



an Open Access Journal by MDPI

Removal of Emerging Pollutants, Antibiotics and Antibiotic Resistance Genes in Water

Guest Editors:

Dr. Yijing Shi

School of Environment, South China Normal University, University Town, Guangzhou 510006, China

Dr. Yanyan Jia

School of Ecology, Sun Yat-sen University, Guangzhou 510275, China

Deadline for manuscript submissions: closed (31 October 2022)

Message from the Guest Editors

Dear Colleagues,

Emerging pollutants, antibiotics, and antibiotic resistance genes (ARGs) have been frequently detected in different aquatic environments, posing a potential risk to the ecosystem and public health. Properly designed and operated water treatment processes can serve as effective final barriers for reducing the quantity of emerging pollutants/antibiotics/ARGs discharged into the environment. To control the propagation of antimicrobial resistance in the environment, it is essential to comprehensively understand the elimination and inactivation of emerging pollutants/antibiotics/ARGs by various water treatment processes.

This Special Issue, titled "Removal of Emerging Pollutants, Antibiotics and Antibiotic Resistance Genes in Water", aims to present novel and efficient removal technologies for emerging pollutants, antibiotics, or ARGs from wastewater or drinking water and to elucidate the potential mechanisms of various water treatment processes to help to achieve the Sustainable Development Goals.



mdpi.com/si/110421







an Open Access Journal by MDPI

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

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 scientific domains and 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 (Aquatic Science)

Contact Us

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