Special Issue

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

Message from the Guest Editors

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.

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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

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