Special Issue

Advanced Technologies for Water and Wastewater Treatment

Message from the Guest Editors

Worsening environmental pollution and increasingly rigorous wastewater discharge standards have become the main challenges for the rapid development of global industry. Meanwhile, accelerating urbanization has also led to growing concern regarding fresh water supplies. To cope with these challenges and new demand, establishing advanced and novel technologies specializing in wastewater treatment, water recovery and contamination removal are urgently needed. As an attractive alternative to traditional wastewater treatment technology, membrane-based water treatment processes show unique potential for rapid separation with high selectivity and throughput. Furthermore, based on the commercially available materials in membrane preparation and the mature membrane modules design that enables their flexible application in a practical environment, the large-scale implementation of membrane-based processes offers a non-invasive and effective approach for wastewater treatment. In this regard, the present Special Issue seeks to provide a platform for researchers to exchange their novel ideas and share research outcomes related to Advanced Technologies for Water and Wastewater Treatment.

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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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