Special Issue

Porous Materials and Their Applications in Water Pollution Control and Resource Recycling

Message from the Guest Editor

Water quality is one of the main challenges threatening human health, reducing ecosystem functions, and hindering economic growth. Great efforts have been made to limit the release of harmful substances into the environment through wastewater treatment, with the application of novel catalysts. Furthermore, water recycling has proven to be effective and successful in creating a new and reliable water supply without compromising public health. This Special Issue focuses on recent advances in wastewater treatment including, but not limited to:

- Application of novel porous materials for monitoring of water quality;
- Synthesis and application of porous materials for water pollution control processes, including municipal, agricultural, industrial, and on-site wastewater;
- Synthesis and application of porous materials for water pollution remediation with advanced oxidation processes (photocatalysis, sonolysis, electrochemical, Fenton oxidation, and catalytic activation);
- Synthesis and application of porous materials for water pollution remediation with conventional wastewater treatments (adsorption, sedimentation and membrane filtration);

Guest Editor

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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

Dr. Jean-Luc PROBST
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