Special Issue

Nanomaterials for the Removal of Pollutants from Water/Wastewater Applications

Message from the Guest Editor

Water is the most important resource used in daily routines for all living organisms. However, the high use of water has led to water scarcity worldwide. In addition, water is contaminated by various gases, microorganisms, and other toxins during rainfall and as water flows from one body of water to another. Hence, effective wastewater treatment is required for economic growth in the current water-resource-constrained era. Wastewater treatment methods should have the advantages of a compact design and should be highly effective in terms of both quality and cost. Researchers have been motivated to explore their ideas in nanomaterial science following advancements in the field. This Special Issue aims to cover the many different types of nanomaterials that can effectively treat contaminated because of their special characteristics such as a larger surface area and the ability to function at low concentrations. Although approaches using nanostructured catalytic membranes, nanosorbents, and nano-photocatalysts are effective and environmentally friendly for removing pollutants from wastewater, there is a need for more energy and money invested into clean wastewater.

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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