Special Issue

Potential of Nanomaterials for Efficient Wastewater Treatment

Message from the Guest Editors

With rapid industrialization, fast-growing populations and agricultural activities, different pollutants such as heavy metal ions, dyes, drugs, pesticides, radionuclides and pathogenic bacteria are released into water resources, leading to a deterioration of water quality. At present, it is urgent to develop efficient and sustainable technologies to monitor and remove pollutants in water. Emerging nanotechnology provides the potential for pollutants removal because of the dimensional domain and excellent physicochemical properties of nanomaterials. Newly, various nanomaterials, such as nano particles, nanorods, nanofibers and nano sheets, have been prepared and used to remove pollutants from water. Nanomaterials show increasing potential in the field of water treatment. The aim of this Special Issue is to collect original research articles and updated literature reviews that reveal the latest advancements in the potential application of nanomaterials in efficient wastewater treatment. Topics include, but are not limited to: nanomaterials, nanocomposites, sustainable nanotechnology, nano device design, and nanofabrication, and their applications in water treatment.

Guest Editors

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Deadline for manuscript submissions

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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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