Special Issue

Removal of Emerging Contaminants from Waters Using Nanotechnology

Message from the Guest Editor

The availability of clean and fresh waters is a critical component to maintaining a healthy life for humans and wildlife. Emerging contaminants (ECs) are chemical compounds widely detected in water. Most ECs are not regulated by local governments due to the lack of rules and standards and thus can potentially cause hazardous effects in aquatic ecosystems at low and environmentally-relevant concentrations of ECs. Conventional water and wastewater treatment, coupled with increased industrial activities, may be inadequate to effectively remove the various kinds of ECs, and so, further treatments are necessary. Therefore, research should be conducted on the development of environmental nanotechnology for its application on the removal of ECs from water sources. This Special Issue welcomes research into recent advances in both experimental and modeling works on the removal of ECs from water and wastewater. Articles on different themes related to ECs, such as fate and transport of ECs in aquatic systems; toxicity of ECs on aquatic life; and perspectives/reviews on the effectiveness of low-cost materials for the removal of ECs are also welcome.

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

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