Special Issue

Nanomaterials Application in the Treatment of Wastewater

Message from the Guest Editors

Water pollution is now a major problem that plagues both developing and developed countries. A new strategy that is effective while also being less harmful and producing better results is necessary. In the context of remediating the environment pollutant (wastewater treatment), there has been a lot of interest in the use of nanomaterials.

Advanced wastewater treatment can be achieved using engineered nanomaterials, such as nanotubes, nanomembranes, and nanoparticles. To promote the removal of certain components of wastewater and increase productivity, these nanomaterials have been established in the development of catalysts, and adsorbent materials. At the moment, biomass derived carbon nanotubes, green synthesized metal oxide nanomaterial, zero-valent metal nanoparticles, and biomass-derived nanocomposites are the key nanomaterials for water and wastewater treatment that have received the most attention. Furthermore, the use of nanomaterials in bioelectrochemical systems is an emerging topic these days. The novel concept of using nanomaterials in bioelectrochemical systems to remediate organic/inorganic pollutants is enthusiastically appreciated.

Guest Editors

Dr. Asim Ali Yaqoob

Research Institute for Advanced Industrial Technology, College of Science and Technology, Korea University, Sejong 30019, Republic of Korea

Dr. Mohamad Nasir Mohamad Ibrahim

School of Chemical Sciences, Universiti Sains Malaysia, Penang, Malaysia

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Water
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
water@mdpi.com

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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

Dr. Jean-Luc PROBST
Centre de Recherche sur la Biodiversité l'Environnement (CRBE) UMR CNRS/UPS/INPT/IRD, Centre National de la Recherche Scientifique (CNRS), University of Toulouse, Campus ENSAT, Auzeville Tolosane, Toulouse, France

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