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Innovative Nanomaterials and Surfaces for Water Treatment

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Deadline for manuscript submissions:
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Message from the Guest Editors

Dear Colleagues,

Water treatment technologies are a key subject for the scientific community due to increasing pollution and the scarcity of clean drinkable water. The fast growth of industries and lifestyle changes have led to a need for innovative materials to alleviate this worldwide problem. Materials intended for use as nanoparticles for the photocatalytic degradation of organic pollutants and water disinfection are constantly being upgraded to achieve higher efficiency and photoactivity in the solar range by means of defect induction, heterohunctions, doping, or sensitazion. Membranes and adsorbers for pollutants and heavy metal removal deeply rely on engineered surfaces, specific chemical functionalities, and the use of nanomaterials.

This Special Issue aims to collate recent research on the subject discussed above by adopting a multidisciplinary approach to contribute to the scientific progress in this field.

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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.

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