Special Issue

Application of New Nanocatalysts for Water Purifications

Message from the Guest Editor

Water and wastewater treatment are essential for economic development and environmental health. Various treatment technologies based on environmental functional materials are being developed, taking into account the treatment performance efficiency, construction and operation costs, energy requirements, operational flexibility, and environmental impacts, to protect the available water resources and promote sustainable developmnet. This Special Issue aims to publish original research papers and reviews on the varying aspects of water and wastewater treatment, including treatment processes in municipal, agricultrual and industrial sectors, application of environmental functional materials such as nanomaterials and single atom catalysts, residual management, and ecological assessment. **Keywords:** water reuse; water treatment; advanced oxidation processes for water treatment; catalytic hydrogenation for water treatment; heavy metal pollution; industrial waste treatment; halogenated disinfection byproducts

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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