Special Issue

Applications of Nanozymes and Other Nanomaterials in the Water Environment: Latest Advances and Prospects

Message from the Guest Editor

Nanomaterials have been rapidly developed in the past few years and are widely used in environmental monitoring and water treatment. Among them, nanoenzymes are a new direction in the development of nanomaterials, which can catalyse enzyme substrates under physiological or extreme conditions and exhibit catalytic efficiencies and enzymatic reaction kinetics similar to those of natural enzymes. Despite the impressive progress in nanoenzymes and other nanomaterials research, many challenges remain to be addressed. In order to further promote the dynamic development of nanomaterials in water treatment, we cordially invite you to submit research articles describing the latest advances in this field as well as insightful reviews. The sub-topics relevant to this Special Issue include, but are not limited to, the following:

- Design and preparation of nanomaterials for pollutant degradation;
- Ecological risk assessment of nanomaterials;
- Nanomaterial-centred water treatment processes;
- Nanoenzymatic-based pollutant monitoring methods;
- Nanoenzymatic-based pollutant removal.

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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