# Special Issue

# Advanced Applications of Nanoparticles in Water and Wastewater

## Message from the Guest Editors

Water quality problems are a persistent global issue. During the last few decades, progress has been made in the field of nanotechnology, and extended knowledge has been acquired on the synthesis, characterization, and possible applications of nanoparticles that can be employed in the process of water purification. Aside from the experimental approach, numerical simulations at the nanoscale for water purification have also been developed. The aim of this Special Issue of *Water* is to present state-of-the-art applications of nanoparticles for water and wastewater treatment, including both experimental and numerical studies. Advanced research for the binding of the harmful substances of water, as well as innovative procedures of wastewater treatment by nanoparticles, are also welcome. Active and passive procedures for enhancing the mixing process of nanoparticles with the harmful substances of water are both welcome. Contributions that study the reusability of nanoparticles after the cleaning process of water and wastewater are also very much appreciated.
https://www.mdpi.com/journal/water/special_issues/134B1UKA5S

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## Deadline for manuscript submissions

closed (31 August 2023)


# Water

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# About the Journal

## 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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