

Special Issue

Innovative Approaches and Materials for Water Treatment

Message from the Guest Editors

This Special Issue aims to publish high-quality original research papers and review articles focusing on water treatment. Topics include studies dealing with secondary pollutants and their (physico/bio)chemical behavior, decontamination using adsorbent materials (such as biochars, aerogels, including microplastics after special treatment, etc.), and innovative applications of these materials. This encompasses methods like the proposed filter for microplastic collection, membrane filtration, advanced oxidation, softening, biological processes, activated carbon filtration, and ion exchange. Additionally, this Special Issue will explore the collection and reuse of pollutants within the framework of a circular economy. Suggested themes and article types for submissions: In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- Water treatment;
- Primary and secondary pollutants;
- Innovative adsorbent materials and application to water treatment;
- Study of adsorption mechanism using spectroscopy and other sophisticated methods.

Guest Editors

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Deadline for manuscript submissions

closed (20 February 2026)



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About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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