

Special Issue

Sustainable Solution for Water: Wastewater Treatment and Advanced Water Purification Technologies

Message from the Guest Editors

Our Special Issue aims to present a comprehensive overview of the state-of-the-art advancements and challenges of water and wastewater treatment technologies for purification and/or recovery. Specifically, the edition will delve into the roles and prospects of various treatment techniques, covering aspects such as physicochemical processes (adsorption, ion exchange, membrane processes), advanced oxidation/reduction processes (heterogeneous catalysis, UV/H₂O₂, Fenton oxidation), biological processes (anaerobic digestion, aerobic process, biofilm process), and process intensification. Furthermore, the Special Issue will focus to encompass key areas, including nanotechnology and nanomaterials, potable/non-potable water reuse, urban hydrology (covering sewer systems, stormwater management, and green infrastructure), drinking water treatment, and the monitoring, fate, and assessment of contaminants (chemical, microbial, or anthropogenic particles like microplastics or nanoparticles). We welcome your valuable contributions to this Special Issue, seeking insights and innovations that can propel us toward more effective wastewater management and recovery solutions.

Guest Editors

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Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

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