

Special Issue

Wastewater Treatment, Water Pollution, and Sustainable Water Resources

Message from the Guest Editors

This Special Issue of *Sustainability* focuses on wastewater treatment, water pollution control, and sustainable water resource management, emphasizing the transition toward circular, resilient, and integrated systems. It aims to collect high-quality research and case studies on technological innovations, systemic management, and policy instruments that promote water sustainability across urban, industrial, agricultural, and natural environments. Topics include advanced treatment technologies for emerging contaminants (e.g., microplastics, pharmaceuticals, persistent pollutants), decentralized and energy-efficient systems, and biotechnology-based methods such as bioremediation and phytoremediation. Submissions that link environmental sustainability, engineering, and governance, including AI-based optimization and life cycle assessment (LCA), are especially welcome. The Issue encourages work on resource recovery—nutrients, bioenergy, reclaimed water—within a circular economy, supporting integrated approaches that enhance water, energy, and food security and ecological resilience amid climate change. All contributions should align with the UN SDGs, especially SDG 6, 12, and 13.

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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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