

## Special Issue

# Innovative Approaches to Environmental Technology and Sustainable Wastewater Treatment

### Message from the Guest Editor

Water management and treatment systems are critical to ensuring the health and sustainability of ecosystems and communities. This Special Issue will explore the latest advances in environmental technology, focusing on innovations in wastewater treatment that help reduce pollution, conserve water resources, and promote sustainability. A strong emphasis is placed on addressing water scarcity and adapting to climate change, highlighting the role of non-conventional water resources, such as treated wastewater, desalination, and rainwater harvesting. These resources offer promising solutions to reduce pressure on freshwater supplies and increase resilience to climate change. The **scope** of this Special Issue covers a wide range of topics, including nature-based solutions, emerging technologies, process optimization, and sustainable practices that improve the efficiency of wastewater treatment systems. It will present innovative, energy-efficient, and cost-effective wastewater treatment technologies that promote environmental sustainability by minimizing energy consumption, reducing chemical use, and increasing water reuse potential.

### Guest Editor

Prof. Dr. Laila Mandi

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### Deadline for manuscript submissions

closed (10 August 2025)



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