

## Special Issue

# Advanced Microbial Technologies in Water and Wastewater Treatment

### Message from the Guest Editors

Advanced microbial technologies, involving natural and functional microbes, play a vital role in water purification and have shown strong potential in water and wastewater treatment. Over the past decade, research has intensified to enhance microbes and treatment systems, driven by rising water quality demands, stricter discharge regulations, emerging contaminants, and the increasing need for water reuse. Today, beyond pollutant removal, the focus also includes supporting a low-carbon economy and sustainable development through the recovery of valuable substances. This Special Issue invites submissions on advanced microbial technologies for water and wastewater applications. Papers on microbial applications in water purification, system improvements, mathematical modeling, and the recovery of substances—particularly carbon, nutrients, and critical or precious metals—are highly encouraged. **Keywords: Water; Wastewater; Drinking Water; Microbes; Conventional and Emerging Contaminants; Pollutant Removal; Resource Recovery; Low Carbon; Mathematical Modeling.**

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### Guest Editors

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### Deadline for manuscript submissions

closed (20 May 2026)



## Applied Sciences

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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.

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### Editor-in-Chief

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