

## Special Issue

# Biological Wastewater Treatment Technology: Recent Developments and Future Prospects

### Message from the Guest Editors

We are inviting submissions to the Special Issue on “Biological Wastewater Treatment Technology: Recent Developments and Future Prospects.” Since activated sludge (AS) was first discovered in 1913, a variety of biological processes based on AS have emerged. In the beginning, only biodegradable organics in wastewater were the target of conventional AS-based biological processes. Now, AS processes are required to treat nutrients like nitrogen and phosphorus and recalcitrant residual pollutants. Moreover, they are asked to consume less energy or even to produce it. Nowadays, the performance of an AS system is evaluated not only by its compliance with permit requirements but by its energy efficiency. In this Special Issue, we invite submissions exploring cutting-edge research and recent advances in the fields of biological wastewater treatment technologies. Both theoretical and experimental studies are welcome, as well as comprehensive review and survey papers. Keywords:

- biological wastewater treatment
- energy efficiency
- nutrient removal
- recalcitrant pollutants
- optimization and process control

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### Guest Editors

Prof. Dr. Hyunook Kim

Prof. Dr. Chang Gyun Kim

Dr. Kinjal J. Shah

Dr. Okkyung Choi

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### Deadline for manuscript submissions

closed (20 March 2023)



## Applied Sciences

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### 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.

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### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
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