# **Special Issue**

# Application of Microbial Technology in Sustainable Wastewater Treatment

# Message from the Guest Editors

Biological wastewater treatment technologies are widely used due to their cost-effectiveness, sustainability, and environmental benefits in comparison with physicochemical treatments. These systems are often designed and operated purely from an engineering perspective, forgetting the biological aspects involved. Microbial communities involved in these systems are complex and play an essential role for degrading pollutants contained in wastewater, Hence. understanding and managing microorganisms is essential for ensuring optimal process performance. This Special Issue aims to gather information about microbial communities and their roles, interactions, and dynamics in bioengineering systems for urban and industrial wastewater treatment. In this sense, this collection of work is dedicated to presenting recent research that reveals the advantages, difficulties, and potential advancements associated with the role of microbial ecology in the field of wastewater treatment engineering.

- The promotion of microbial consortia of interest for treating urban and industrial wastewater;
- Elucidating microbial interactions to remove emerging pollutants.

#### **Guest Editors**

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### Deadline for manuscript submissions

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# Editor-in-Chief

#### Prof. Dr. Marc A. Rosen

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