



## **Innovations in Waste Treatment through Bioprocess Technology: From Sustainable Remediation to Resource Recovery**

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Deadline for manuscript  
submissions:

**30 April 2025**

### **Message from the Guest Editors**

Topics of interest for this Special Issue include, but are not limited to, the following:

1. Sustainable remediation: innovations in utilizing bioprocess technology for the sustainable remediation of contaminated sites, including the application of microbial processes, biodegradation, and bioremediation techniques;
2. Resource recovery: advances in the recovery of valuable resources from waste through bioprocess technology, such as the extraction of energy, chemicals, nutrients, or other useful products;
3. Biodegradation and bioremediation: research on the use of microbial processes and bioprocess technology to degrade and remove pollutants, contaminants, and hazardous substances from various waste streams;
4. Microbial communities in waste treatment: studies investigating the role of microbial communities and their dynamics in waste treatment processes, including their interaction with pollutants and their impact on overall system performance;
5. Environmental sustainability: approaches and strategies to enhance the environmental sustainability of waste treatment through bioprocess technology, considering factors such as energy efficiency, carbon footprint, and waste minimization.





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## Message from the Editor-in-Chief

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