

Special Issue

Bioremediation Technology for Air Pollution

Message from the Guest Editor

This Special Issue on “Bioremediation Technology for Air Pollution” aims to gather research covering all aspects related to microorganism application in bioremediation. It will bring together high-impact articles on microorganism-based degradation technology including current status, challenges, and opportunities, especially those concerning upgrading from the laboratory scale to the pilot scale. Topics include, but are not limited to, the following:

- Bioaugmentation of air pollutants in the lab and pilot scale;
- Microbial–pollutant interactions;
- Microbial detoxifying mechanisms in bioremediation of gases environmental contaminants;
- Genetically engineered microorganisms (GEMs) potential for polluted air bioremediation;
- Novel strategies for enhancing bioremediation of polluted air.

Guest Editor

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Deadline for manuscript submissions

closed (10 May 2025)



Processes

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