Special Issue

Microbial Resources and Sustainable Remediation

Message from the Guest Editors

Microbial remediation is a cost-effective and ecofriendly technology that provides a sustainable way to clean contaminated environments (mine areas, industrial wastewaters, nuclear-contaminated land, petroleum-polluted soil, etc.). The function of microorganisms in the management of emerging pollutants (heavy metals, antibiotic-resistance genes, microplastics, persistent organic pollutants, personal care products, pharmaceuticals, pesticides, surfactants, etc.) and eutrophication (nitrogen and phosphorus pollution) is critical to drive biogeochemical cycles, cope with global climate change, and maintain environmental and human health. Subtopics of the special issue including but not limited to the following:

- Microbial remediation of contaminated environments (mine areas, industrial wastewaters, polluted soils, etc.);
- Exploitation and sustainable application of microbial resources for remediation;
- Emerging pollutant biomonitoring and tracing;
- Microbial remediation mechanisms;
- Microbial remediation of pollutants in the laboratory and field;
- New techniques for microbial remediation based on multidisciplinary approaches.

Guest Editors

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About the Journal

Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

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