

Special Issue

Soil-Microbe Synergy for Sustainable Ecosystems

Message from the Guest Editors

This Special Issue will adopt an interdisciplinary scope, integrating soil science, ecology, agronomy, and environmental engineering. We welcome contributions spanning micro-scale processes to landscape-level assessments across both natural and managed systems (e.g., agricultural, forest, rehabilitated soils) and bridging foundational knowledge with real-world applications. **This Special Issue is organized around five integrated thematic areas:**

- **Foundations of Soil-Microbe Interactions:** Processes governing nutrient cycling, organic matter stabilization, and soil structure.
- **Response and Resilience Under Stress:** Adaptation to and mitigation of abiotic stresses (e.g., drought, contamination) and climate change.
- **Applying Microbial Functions for Sustainability:** Designing microbial strategies for sustainable agriculture (e.g., bio-inoculants) and environmental remediation.
- **Indicators for Soil Health:** Developing and validating functional indicators to monitor soil health and ecosystem sustainability.
- **Emerging Approaches:** Utilizing advanced methods like integrated omics and modeling for a predictive understanding of soil ecosystem functioning.

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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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