

Special Issue

Biochar-Based Fertilizers for Resilient Agriculture

Message from the Guest Editors

This Special Issue invites innovative research that elucidates the role of biochar in shaping biotic drivers of soil fertility amid these challenges. We welcome a broad spectrum of studies that explore the following:

- Interactions between biochar, soil microbiomes, and plants, focusing on nutrient dynamics and resilience to stressors.
- Mechanisms by which biochar enhances microbial dynamics and organic matter cycling for improved ecosystem resilience.
- Integrated approaches using biochar with other amendments or crop management to optimize nutrient cycling and reduce greenhouse gas emissions.
- The role of biochar in mitigating emerging pollutants in agricultural soils, enhancing degradation, and promoting soil biodiversity.

Submissions with interdisciplinary approaches that connect multi-omics to experimental measurements of carbon and nitrogen fluxes are encouraged. Novel review and opinion articles are also welcomed.

Guest Editors

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Editor-in-Chief

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