

Special Issue

Biochar Applications in Agricultural Soil Restoration

Message from the Guest Editor

Biochar has emerged as a promising solution for agricultural soil restoration, with the potential to improve soil quality, increase fertility, and mitigate environmental degradation. This Special Issue aims to explore the latest advancements in biochar research, particularly its role in soil restoration for agricultural productivity and environmental sustainability. This Special Issue mainly solicits research papers in the following areas:

- Long-term (5 or more years' application) effects of the field application of biochar;
- Applications of biochar in improving the quality of degraded agricultural soils (e.g., acidic soils, saline soils, and polluted soils);
- Effects of biochar on carbon sequestration and greenhouse gas emission reduction in agricultural soils;
- Effects and mechanisms of biochar application, including direct comparative studies on the effects of biochar derived from different feedstocks, as well as studies on the application rates and durations of biochar application, in addition to its synergistic effects with other soil amendments.

Guest Editor

Dr. Chenyang Xu

College of Natural Resources and Environment, Northwest A&F University, Yangling 712100, China

Deadline for manuscript submissions

closed (20 June 2025)



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Agriculture
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
agriculture@mdpi.com

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Message from the Editor-in-Chief

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Prof. Dr. Les Copeland
Sydney Institute of Agriculture, School of Life and Environmental
Sciences, The University of Sydney, Sydney, NSW 2006, Australia

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