

## Special Issue

# Advanced Research of Biochar Application to Agricultural Soils

### Message from the Guest Editors

Between ancient *Terra Preta de Índio* principles and a modern, several decades-old concept of biochar application to soil stands a vast body of literature on biochar as a powerful environmental management and sustainable agriculture tool, making it a promising integrative part of climate adaptation strategy. Underlying physicochemical processes in soil-biochar media result in improved soil water holding and long-term carbon storage capacities, nutrient and water use efficiency, as well as contaminant retention. Nevertheless, little is still known on the mechanisms of biological interactions, especially in long-term and large-scale trials. Although since 2020 biochar has been listed by EU Regulation as a fertilizer/conditioner for organic farming, its application in conventional farming has not yet been adopted as EU current practice. One way to overcome this is advancing the standardization and use of engineered biochars to match both soil and crop requirements without compromising soil functions. This Special Issue is seeking manuscripts that assess the health of agricultural soils and the efficacy of applied amendments.

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### Guest Editors

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### Deadline for manuscript submissions

closed (25 January 2024)



## Agriculture

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## About the Journal

### Message from the Editor-in-Chief

*Agriculture* (ISSN 2077-0472) is an international, scholarly and scientific open access journal publishing peer-reviewed research papers, review articles, communications and short notes that reflect the breadth and interdisciplinarity of agriculture.

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### Editor-in-Chief

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