

## Special Issue

# Long Term Agronomical, Physiological and Environmental Implications of Biochar Use in Agricultural Soils

### Message from the Guest Editors

This Special Issue is open to contributions (research papers and reviews) exploring the effect of biochar and its blend with other biowaste products on soil fertility and crop yield, posing particular attention on the interaction among soil, plant and microorganisms occurring in the rhizosphere. In particular, the SI will focus on medium–long term effects of biochar and its blend on: Biochar effects on plant ecophysiology and phenology; Interaction of biochar with other routes based on the use of biowaste such as composting, anaerobic digestion etc., in order to produce innovative amending media able to increase soil C storage; Soil C modelling including, among others, biochar; Potential harmful elements and related bioavailability in soils, along with PHEs distribution in plant tissues; Biogeochemical soil cycle for nutrients and PHEs as well as physico-chemical and hydrological profiles of biochar amended soils; Effects of biochar on phytohormones and other bio-stimulants in the rhizosphere; Biochar effects on soil macro e microbiota.

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### Guest Editors

Dr. Francesco Primo Vaccari

Dr. Silvia Baronti

Dr. Nicolas Greggio

Dr. Diego Marazza

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### Deadline for manuscript submissions

closed (20 December 2022)



## Agriculture

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## About the Journal

### Message from the Editor-in-Chief

*Agriculture* (ISSN 2077-0472) is an international, crossdisciplinary and scholarly open access journal on the science and technology of crop and animal production, and management of the natural resource base for agricultural production. *Agriculture* is published in an open access format – research articles, reviews and other contents are released on the internet immediately after acceptance. The scientific community and the public have unlimited and free access to the content as soon as it is published.

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### Editor-in-Chief

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