

## 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 biostimulants 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, cross-disciplinary and scholarly journal on the science and technology of crop and animal production, and management of the natural resource base for agricultural production. We invite submissions from authors according to the aims and scope of the journal described in more detail on this page. *Agriculture* is published in an open access format – articles are published on the journal's website immediately after acceptance, giving the scientific community and the public unlimited and free access to the content.

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### Editor-in-Chief

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