



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

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Deadline for manuscript
submissions:

closed (20 December 2022)

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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Message from the Editor-in-Chief

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