

Special Issue

Benefits and Risks of Biochar Use for Soil Ecosystem Services in Agronomic Applications

Message from the Guest Editors

This Special Issue is especially interested in contributions that address biochar effects on more than one soil ecosystem service of contemporary importance to society, such as the following: crop yield, nutrient dynamics, effects on soil biodiversity and their soil functions; dynamics of greenhouse gas emissions from soil; interaction with and dynamics of pesticides and emerging contaminants; soil carbon sequestration applications; and water filtering and storage. Due to the large diversity of carbonaceous materials that can be applied as biochar, and the high importance of their chemical and physical properties for determining effects on soil-mediated ecosystem services in cropping systems, papers should make an effort to include a thorough characterization of the soils and biochar products considered, preferably following IBI or EBC standards, so that the effects can be properly contrasted with other studies, and authors should address the previous literature in this regard.

Guest Editors

Dr. Evan A.N. Marks

CT BETA Department, University of Vic–University of Central Catalonia,
Carrer de la Laura 13, 08500 Vic, Catalonia, Spain

Dr. Xavier Domene

1. CREAM, E08193 Bellaterra (Cerdanyola del Vallès), Catalonia, Spain
2. Department of Animal and Plant Biology and Ecology, Universitat Autònoma de Barcelona, E08193 Bellaterra (Cerdanyola del Vallès), Catalonia, Spain

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

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Editor-in-Chief

Prof. Dr. Leslie A. Weston

Gulbali Centre for Agriculture, Water and Environment Research,
Charles Sturt University, Wagga Wagga, NSW 2678, Australia

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