

Special Issue

Biochar as Soil Amendment: Impact on Soil Properties and Sustainable Resource Management

Message from the Guest Editor

There is an imperative necessity of sustainable management for the increasing quantity of organic waste. In this sense, pyrolysis or carbonization (the combustion of biomass under low or no oxygen supply) offers a promising approach for managing carbon-rich wastes, such as sewage sludge, pulp and paper industry residues, or crop residues, and to create added value coproducts, such as biochar. The benefits of biochar as a soil ameliorant have been profusely studied, but the knowledge concerning its effects on soil properties and composition is still limited. Furthermore, the role of pyrolysis products within the concept of circular economy still has to be assessed. This need for information is increased by the great variability of composition and properties of the produced biochars and their dependence on pyrolysis conditions, feedstock nature, and additives. This Special Issue pursues to motivate discussion on this issue by bringing together scientists from the diverse fields of soil, applied pyrolysis, resources management, agronomy, and carbon dynamics.

Guest Editor

Prof. Dr. José De la Rosa

Instituto de Recursos Naturales y Agrobiología de Sevilla, Consejo Superior de Investigaciones Científicas (IRNAS-CSIC), Reina Mercedes Av. 10, 41012 Seville, Spain

Deadline for manuscript submissions

closed (15 September 2019)



Agronomy

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 6.7



mdpi.com/si/20619

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

[mdpi.com/journal/
agronomy](https://mdpi.com/journal/agronomy)





Agronomy

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 6.7



[mdpi.com/journal/
agronomy](https://mdpi.com/journal/agronomy)



About the Journal

Message from the Editor-in-Chief

Agronomy draws together researchers from diverse areas of agricultural research with a common aim of enhancing agricultural productivity globally. The journal provides unlimited free access to all those interested in advancing agricultural science from both the research and general community. Papers are released immediately after acceptance through the internet.

Agronomy is supported by our authors and their institutes through low article processing charges (APC) for accepted papers. We hope you will support the journal by becoming one of our authors.

Editor-in-Chief

Prof. Dr. Leslie A. Weston

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

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubAg, AGRIS, and other databases.

Journal Rank:

JCR - Q1 (Agronomy) / CiteScore - Q1 (Agronomy and Crop Science)