Special Issue

Interaction of Biochar on Organic Waste Composting

Message from the Guest Editors

The combination of biochar with inorganic and organic amendments has attracted the attention of the scientific community due to the agronomic benefits associated with the interaction of biochar with soil nutrients and organic C cycling. For example, biochar may have synergistic effects with compost. Adding biochar in organic waste composting benefits to the process in terms of enhanced organic matter transformation and reduction of N losses and GHG emissions. Meanwhile, biochar oxidizes intensely leading to changes on its surface chemistry. However, there is still limited information on the agronomic and environmental benefits and constraints of using amendments combined with biochars compared to the amendments alone.

The Special Issue is opened to contributions exploring the interaction of biochar with organic matter and nutrients during organic waste transformation (composting, anaerobic digestion, etc.) and also its use in combination with mineral or organic fertilisers or as a component of soil-less growing media. Laboratory or field scale experiments in agriculture are welcomed.

Dr. Miguel Ángel Sanchez-Monedero

Guest Editors

Dr. Miguel Ángel Sánchez-Monedero

CSIC-CEBAS, Department of Soil and Water Conservation and Organic Waste Management, Campus Universitario de Espinardo, 30100 Murcia, Spain

Dr. Claudio Mondini

Consiglio per la ricerca in agricoltura e l'analisi dell'economia agraria (CREA), Centro di ricerca Viticoltura ed Enologia, sede di Gorizia, 34170 Gorizia, Italy

Deadline for manuscript submissions

closed (31 March 2020)

Agronomy

an Open Access Journal by MDPI

Impact Factor 3.4
CiteScore 6.7

mdpi.com/si/17213

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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