



an Open Access Journal by MDPI

Cover Crops Contributions to Soil Health

Guest Editors:

Dr. María Bonita Villamil

Department of Crop Sciences, University of Illinois at Urbana-Champaign, Urbana, IL 61801, USA

Dr. María Celina Zabaloy

Microbial Ecology Laboratory, Departamento de Agronomía (UNS), Centro de Recursos Naturales Renovables de la Zona Semiárida (CERZOS), Bahía Blanca 8000, Argentina

Deadline for manuscript submissions: closed (15 May 2023)

Message from the Guest Editors

The study of the soil microbiome is essential for the maintenance and enhancement of soil health; yet, it remains drastically understudied in agricultural research. Cover crops are grown specifically to protect the soil against erosion, ameliorate soil structure, enhance soil fertility, suppress pests, and prevent N and P losses to the environment. As researchers in agriculture, we understand that the realization of the benefits from cover cropping depends on specific agronomic and environmental factors such as species selection, field management practices, weather conditions, and soils, and each of those choices or settings have the potential to affect the soil microbiome associated with the strategy. This Special Issue will address soil microbiome responses under cover cropping in a variety of agricultural settings, filling a critical gap in knowledge. The selected papers will provide insights on whether cover cropping can be promoted as a strategy to enhance agricultural sustainability driven by biodiversity and targeted management of the soil microbiome.



mdpi.com/si/102013







an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Leslie A. Weston

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

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.

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

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

Journal Rank: JCR - Q1 (Plant Sciences) / CiteScore - Q1 (Agronomy and Crop Science)

Contact Us

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