Special Issue

Potential Benefits and Risks of Organic Amendments to Soil Health

Message from the Guest Editors

Organic amendments (such as compost, sewage, crop residues, digestates from the anaerobic treatment of waste or biosolids) have been historically used in agricultural management as they represent one of the main sources of nutrients for plants. The application of amendments with different properties and agronomic potential guarantees the supply of macro- and micronutrients, necessary to not only increase crop productivity but also to restore soil health. On the other hand, the application of biomasses can be dangerous for human, animal and plant health, such as heavy metals, microplastics, potential human pathogens and emerging contaminants. In addition, the overuse of low-quality organic amendments can lead to excess nutrients (e.g., phosphorus, nitrogen), groundwater contamination, greenhouse gas emissions and soil acidification or salinization. This Special Issue welcomes manuscripts aiming to share any new knowledge related to the management of organic amendments in agriculture and its effect on soil health and crop productivity and quality. Prof. Gennaro Gennaro Brunetti

Guest Editors

Prof. Gennaro Brunetti

Department of Soil, Plant, and Food Sciences, University of Bari "Aldo Moro", Via Amendola 165/A, 70126 Bari, Italy

Dr. Francesco De Mastro

Department of Soil, Plant and Food Sciences, University of Bari Aldo Moro, Via Amendola 165/A, 70126 Bari, Italy

Deadline for manuscript submissions

closed (31 May 2025)

Agronomy

an Open Access Journal by MDPI

Impact Factor 3.4
CiteScore 6.7

mdpi.com/si/179320

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

mdpi.com/journal/agronomy

Agronomy

an Open Access Journal by MDPI

Impact Factor 3.4
CiteScore 6.7

mdpi.com/journal/agronomy

MDPI

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), GEOBASE, PubAg, AGRIS, and other databases.

Journal Rank:

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