



## Role of Organic Amendments in Carbon and Nutrient Cycling, and Soil Functionality

Guest Editor:

**Dr. Lukas Van Zwieten**

NSW Department of Primary  
Industries, 1243 Bruxner  
Highway, Wollongbar, NSW 2477,  
Australia

Deadline for manuscript  
submissions:

**closed (15 August 2021)**

### Message from the Guest Editor

Dear Colleagues,

Organic amendments (OAs) are commonly applied in horticulture and intensive and, to a lesser extent, extensive agricultural systems. However, the outcomes from these practices are not particularly well understood. This Special Edition will focus on:

- 1) how OAs interact with soil organic matter, resulting in changes to the SOM pool and associated priming effects, and what characteristics of the OAs (e.g., stoichiometric ratio) and receiving soils control this interaction
- 2) quantification and/or prediction of “how much” and “when” a nutrient becomes plant available (from the OA or through SOM priming, and the role of edaphic and climate variables)
- 3) the role of OAs in controlling specific soil functions, and the development of resilience to stressors. The Special Edition will accept reviews and meta-analyses where they help to address the questions posed by this Special Edition, as well as controlled mechanistic studies and field trials.

Dr. Lukas Van Zwieten  
*Guest Editor*





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 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