

## Special Issue

# Organic Improvement in Agricultural Waste and Byproducts

### Message from the Guest Editors

The increasing demands of a rapidly expanding global population require substantial agricultural outputs, which in turn generate significant amounts of agricultural waste and byproducts (AWB). The management of AWB is a worldwide challenge with serious environmental consequences. Agriculture heavily influences global nitrogen (N) and carbon (C) cycles through land use changes and agronomic practises. Currently, there is increasing interest in exploring the potential recovery and reuse of agricultural byproducts to reduce carbon and nitrogen losses, while enhancing efficiency and productivity. It is therefore essential to urgently support sustainable agriculture and the food supply chain by developing strategies that exploit AWB, add value to them, and ensure food security while preserving human health. This Special Issue invites research, case studies, analyses, and field trials on the chemical, physical, and biological properties of AWB. We welcome manuscripts that explore the long-term potential of AWB, Contributions addressing the application of AI to optimize waste management are also encouraged.

### Guest Editors

Dr. Aldo Dal Prà

Dr. Pierpaolo Duce

Dr. Francesca Camilli

### Deadline for manuscript submissions

30 December 2025



## Agronomy

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*Agronomy*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[agronomy@mdpi.com](mailto:agronomy@mdpi.com)

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### Message from the Editor-in-Chief

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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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