

## Special Issue

# Innovative Approaches to Circular Agriculture: Incorporating Green Chemistry and Waste Valorization

### Message from the Guest Editors

The constant increase in the global population has led to a rise in food waste generation across the industrial, agricultural, and household sectors. Despite being rich in bioactive compounds such as polysaccharides, proteins, carotenoids, and phenolics, only a quarter of this waste is repurposed as animal feed, while the majority is discarded. Beyond the issue of food loss, these practices have significant environmental, economic, and social consequences, depleting essential resources such as water, land, and energy. This Special Issue will enhance our understanding of effective agricultural by-product management, aiming to reduce the environmental impact of waste accumulation and develop value-added materials for integration into new industries and processes. Submissions should be aligned with the principles of green chemistry by incorporating agricultural waste valorization, environmental sustainability, and circular economy approaches. Studies examining the effects of management strategies and socioeconomic factors on the sustainability of agricultural waste systems are also encouraged. Both original research articles and review papers are welcome.

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### Guest Editors

Dr. Esther Trigueros

Institute of Sustainable Processes, University of Valladolid, Pso. Prado de la Magdalena 3-5, 47011 Valladolid, Spain

Dr. Elixabet Díaz-de-Cerio

Universidad de Valladolid, Valladolid, Spain

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### Deadline for manuscript submissions

closed (15 February 2026)



## Agriculture

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

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## About the Journal

### Message from the Editor-in-Chief

*Agriculture* (ISSN 2077-0472) is an international, scholarly and scientific open access journal publishing peer-reviewed research papers, review articles, communications and short notes that reflect the breadth and interdisciplinarity of agriculture.

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### Editor-in-Chief

Prof. Dr. Les Copeland  
Sydney Institute of Agriculture, School of Life and Environmental  
Sciences, The University of Sydney, Sydney, NSW 2006, Australia

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