

Special Issue

Innovative Solutions for Sustainable Agriculture: From Waste to Biostimulants, Biofertilisers and Bioenergy

Message from the Guest Editors

The valorization of agro-industrial waste represents a strategic and relevant way to reduce the environmental impact of agriculture and increase its productivity. Some recent studies have focused on obtaining biostimulants and fertilizers from agro-industrial wastes, thus creating a circular economy paradigm. Furthermore, within the scope of promoting third-generation biorefinery, following pretreatment for the extraction/production of valuable substances, this kind of biomass can be destined for anaerobic digestion for energy production and finally converted in (bio)fertilizers. In this context, the aim of this Special Issue is to provide an overview of innovative and cutting-edge research on the potential of biomass to provide relevant materials and approaches for agricultural applications and energy production. In particular, research on obtaining biostimulants and (bio)fertilizer from natural resources and waste to increase soil quality and the performance of crops, even in the context of climate change, will be considered. Finally, studies on producing biogas or biomethane from agro-industrial waste are welcome.

Guest Editors

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Deadline for manuscript submissions

closed (10 July 2025)



Agriculture

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Impact Factor 3.6
CiteScore 6.3



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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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