Special Issue

Converting and Recycling of Agroforestry Residues

Message from the Guest Editors

Agroforestry residues can be converted into organic fertilizers and plastics, animal feed, energy, edible mushroom substrates, and chemical raw materials. However, the process of converting agroforestry residues into resources presents some challenges such as a low conversion efficiency, high costs, secondary environmental pollution, poor product performance, unclear conversion processes and mechanisms, and difficult precise regulation.

This Special Issue focuses on the novel separation and conversion methods, detailed conversion processes and mechanisms, the application of converted products (such as hydrochar, artificial humic acids, biodiesel, and biopesticides), the economic analysis of recycling technologies, and the life cycle assessment of waste-to-resources for agroforestry residues. This issue will include interdisciplinary studies embracing agriculture in the biology, chemistry, and engineering fields. Research articles will cover a broad range of biowaste, such as straw, sawdust, biogas residues, feces, and other biowaste from agriculture and forestry. All types of articles, such as original research, opinions, and reviews are welcome.

Guest Editors

Dr. Hu Cheng

Dr. He Guo

Prof. Dr. Jiangang Han

Deadline for manuscript submissions

closed (25 August 2025)



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

mdpi.com/journal/agriculture





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Message from the Editor-in-Chief

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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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