

## Special Issue

# Agricultural Waste Derived Nanomaterials: Synthesis, Characterization and Applications

### Message from the Guest Editors

The scope of this Special Issue includes recent research innovations and developments in the synthesis and characterization of AWNs along with their applications in environmental remediation, agriculture, and food and biomedical fields. This Special Issue is looking for original research articles and reviews that focus on but are not limited to the following topics:

- Agrowaste-based novel nanostructures (AWNs)—synthesis and characterization;
- Lignin, cellulose, hemicellulose, lignocellulose, and zeolite-based AWNs;
- AWNs—carbon nanomaterials: magnetic activated carbon, carbon nanotubes, graphene/graphene oxide, fullerenes, quantum dots, etc.;
- AWNs—metal or metal-oxide nanoparticles: gold, silver, silica, zinc, nickel, palladium, iron oxide, titanium dioxide, etc.;
- AWNs applications in environmental remediation (soil and wastewater treatment);
- AWNs applications in food and agriculture;
- AWNs applications in antioxidant and antimicrobial agents/carriers;
- AWNs applications in biomedical applications;
- AWNs applications in diagnostics and therapeutics.

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### Guest Editors

Dr. Baskaran Stephen Inbaraj

Dr. Kandi Sridhar

Dr. Minaxi Sharma

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### Deadline for manuscript submissions

closed (25 February 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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## About the Journal

### 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.

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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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