

Special Issue

The Role of Metallic Nanoparticles in Crop Growth and Development

Message from the Guest Editor

Exploration for sustainable applications of nanotechnology in agriculture has gained tremendous momentum over the past few years. The enormous potential of metallic nanoparticles as crop growth promoters, plant disease inhibitors, and slow-releasing nutrient sources is increasingly recognized. In addition to their direct interactions with plants, agriculturally applied metallic nanoparticles interact with coexisting environmental pollutants and plant nutrients to alter their availability and toxicity. This secondary effect of metallic nanoparticles on the fate and transport of co-existing chemicals has attracted more attention recently. It is important to realize that in the agricultural setting, other factors, most notably soil health, play key roles in dictating the impact of metallic nanoparticles on crop growth and development. This Special Issue aims to provide a concentrated venue to publish the most impactful research on the broad field of metallic nanoparticles and crop growth to contribute to the advancement of sustainable applications of nanotechnology in agriculture. Both novel research articles and reviews will be considered.

Guest Editor

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Deadline for manuscript submissions

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About the Journal

Message from the Editor-in-Chief

Agriculture (ISSN 2077-0472) is an international, cross-disciplinary and scholarly journal on the science and technology of crop and animal production, and management of the natural resource base for agricultural production. We invite submissions from authors according to the aims and scope of the journal described in more detail on this page. *Agriculture* is published in an open access format – articles are published on the journal's website immediately after acceptance, giving the scientific community and the public unlimited and free access to the content.

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