

## Special Issue

# Revolutionizing Sustainable Agriculture and Environmental Protection with Nanotechnology and Bioactive Compound

### Message from the Guest Editors

A large amount of scientific work has focused on ensuring and improving food safety. Nanomaterials (i.e., carbon nanomaterials, metal nanoparticles, and metal oxide nanoparticles) and bioactive compounds derived from plants and microorganisms have demonstrated an efficient activity to protect and promote the growth of plants through the modulation of the physiological and metabolic activities. The purpose and scope of this Special Issue include exploring and collecting recent information about the application of nanomaterials and bioactive compounds that contribute to sustainable agriculture. We invite authors to submit original research and unique reviews that contribute to the knowledge in the following subtopics (but are not limited to):

- Application of nanomaterials and bioactive compounds to stimulate the growth and protection of plants.
- Formulation of controlled release systems of bioactive compounds with agricultural applications.
- The use of nanotechnology tools to deliver RNA interference (RNAi) as a pest management strategy.
- The use of Omics analysis techniques to evaluate the impact of nanomaterials and bioactive compounds in plant and phytopathogens.

### Guest Editors

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Dr. Gonzalo Tortella

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### Deadline for manuscript submissions

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## Agriculture

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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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