

## Special Issue

# Nano-Enabled Strategies for Agricultural and Environmental Sustainability

### Message from the Guest Editor

It is projected that global populations will further increase by one-third by 2050 and as such will require a 70% increase in food production compared to current output. Feeding so many people using limited natural resources (land, water, and soil), and in the face of declining soil quality, is a grand challenge that the agriculture sector today is facing. Sustainable agriculture helps the environment, but there are concerns about its efficiency. Various nano-enabled strategies are proposed to improve crop production and meet the growing global demands for food, feed, and fuel while practising sustainable agriculture. Therefore, nano-enabled agriculture is a potential efficient and sustainable agriculture.

This Special Issue focuses on the role of nanotechnology in agricultural and environmental sustainability, which broadly includes (but is not limited to) nano-fertilizers and nano-pesticides/fungicides/herbicides that help crop growth, nanotechnology that assists agricultural waste treatment, nanomaterials for environmental remediation, and nano-biosensors for soil-plant systems. Original research articles, communications, and reviews are accepted.

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### Guest Editor

Prof. Dr. Chun Song

College of Environmental Science, Sichuan Agricultural University,  
Chengdu 611130, China

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### Deadline for manuscript submissions

closed (10 November 2024)



## Agriculture

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*Agriculture*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[agriculture@mdpi.com](mailto:agriculture@mdpi.com)

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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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### 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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