

Special Issue

Plant-Microbe Interactions and Microbial Application for Enhancing Sustainable Agriculture

Message from the Guest Editors

Sustainable agriculture involves maximizing beneficial plant-microorganism interactions, which are complex, dynamic, and continuous processes. The objective is to decrease the usage of chemical inputs, boost plant development, and improve plant tolerance to biotic and abiotic challenges through agricultural approaches that improve plant-microorganism interactions. In truth, multiple approaches might be used to achieve the goals of sustainable agriculture. It is necessary to investigate the potential of the soil microbiome/rhizospheric microbiome in plant health and nutrition. The aim of this Special Issue is to call for papers with a focus on plant pathology, agronomy, agricultural practices, enhancing resistance to abiotic restrictions, the function of microorganisms in biotechnology, and any other related topics. Therefore, this Special Issue aims to encourage the submission of contributions that explore innovative approaches to minimizing reliance on chemical pesticides and mineral fertilizers. We invite you to submit research articles, review articles, and short communications related to state-of-the-art plant-microbe interaction research.

Guest Editors

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Deadline for manuscript submissions

closed (20 May 2024)



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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.

Editor-in-Chief

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