

## Special Issue

# Advanced Research of Crop Plant Interactions with Bacteria and Fungi

### Message from the Guest Editors

A complex community of bacteria and fungi affects crop production in the field. Gaining knowledge on the interaction of plants with microorganisms is pivotal to optimize plant cultivation. From the first contact with bacteria or fungi, plants respond with a cascade of reactions eliciting substantial changes in their metabolism depending on the nature of the interaction, but often the mechanisms of action are rarely known in detail. Next to rating plant growth and performance by physiological and morphological parameters, looking at plant responses with through a microscopic view and on a molecular level helps to determine the impact of microorganisms.

This Special Issue is intended to provide an insight into plant-microbe interactions presenting new results (in the form of scientific research articles, short communications, and reviews) on phenotypic, molecular, and metabolite level changes of crop plants during the interaction with symbionts and pathogens. We also welcome contributions describing innovative technical approaches for detecting microbial and plant-derived signals or metabolites that help deciphering the microbial impact on plants.

### Guest Editors

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### Deadline for manuscript submissions

closed (20 July 2022)



## 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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### Editor-in-Chief

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