

## Special Issue

# Plant Growth Promoting Bacteria and Mycorrhizas as Biocontrol and Biostimulants Agents

### Message from the Guest Editors

We are faced with increasing demand for food. To promote agricultural production in a sustainable way, it is very important to exploit the functions of plant-associated microbes. An important part of the plant microbiome includes plant growth-promoting bacteria (PGPB), which can reside in the rhizosphere and phyllosphere or colonize the plant's interior tissues (endophytic bacteria). PGPB may promote plant growth directly by facilitating nutrient acquisition or modulating hormone levels or indirectly by reducing the negative effects of pathogens on plant growth and development. In plants, mycorrhizal fungi play a fundamental role in maintaining the optimal vegetative state and in limiting damage from both stress and parasites. This Special Issue of *Plants* will highlight the activity of PGPB and mycorrhizal fungi in the biological control of plant parasites (pathogens and pests) and as biostimulate, agents, aiming to find applications in agriculture and environmental sustainability. If you have any plans, please let us know. You could write to us via email or contact the assistant editor at [juicy.yang@mdpi.com](mailto:juicy.yang@mdpi.com)

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### Guest Editors

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### Deadline for manuscript submissions

closed (31 July 2024)



## Plants

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Impact Factor 4.1  
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Indexed in PubMed



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### Message from the Editor-in-Chief

*Plants* is an open access journal which provides an advanced forum for research findings in areas related to plant function, its physiology, biology, taxonomy, stresses, and its interactions with other organisms. It publishes original research articles, reviews, reports, and conference proceedings (peer reviewed full articles) and communications. In original research papers, it is important that full experimental details are provided. We also encourage timely reviews and commentaries on topics of interest to the plant research community.

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### Editor-in-Chief

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