

## Special Issue

# Plant–Soil–Microorganism Interaction in Grassland Agroecosystem

### Message from the Guest Editors

Plant pathogenic fungi are a major threat to plant production and food security for livestock in the grassland agroecosystem. It is well known that plant-associated fungi and bacteria are involved in up-regulating stress-related genes, producing a variety of different phytohormones and activating the antioxidant defence system, which support plant growth and persistence in stressful environments. Unfortunately, the physiological and molecular mechanisms underlying plant–microbiology interactions under stressful environmental conditions have been barely studied. This Special Issue is aimed at compiling research, review, and opinion articles covering new scientific discoveries covering new insights into the physiology, biochemistry, molecular biology, genetics, and ecology of the microorganism partner, the molecular mechanisms involved in plant–microbiology interactions, the effects of the interaction on plant fitness under different environmental conditions, and biotechnological applications.

### Guest Editors

Prof. Dr. Xingxu Zhang

Prof. Dr. Tingyu Duan

Prof. Dr. Xiangling Fang

### Deadline for manuscript submissions

closed (15 August 2022)



## Agriculture

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## About the Journal

### Message from the Editor-in-Chief

*Agriculture* (ISSN 2077-0472) is an international, scholarly and scientific open access journal publishing peer-reviewed research papers, review articles, communications and short notes that reflect the breadth and interdisciplinarity of agriculture.

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### Editor-in-Chief

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