

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

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Agriculture
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
agriculture@mdpi.com

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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

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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