Special Issue

Role of Microbes in Alleviating Abiotic Stress in Plants

Message from the Guest Editors

Abiotic stresses such as excessive watering, extreme temperatures, salinity, drought, and heavy metals are the foremost limiting factors that adversely affect the plant growth development, yield and seed quality. Recently, plant-microbes interactions have emerged as an attractive area of study with potential applications in abiotic stress mitigation in plants. This Special Issue will gather information about plant–microbe interactions under abiotic stress and physiological responses and molecular signaling pathways that are at the basis of these interactions. Topics of interest include but are not limited to plant growth promoting microbes, symbiotic microbes, microbial factors, plant–microbe chemical signaling, gene expression, hormonal control of interactions as well as plant stress responses (stress adaptation, modifications of plant anatomy and the patterns of metabolite contents, stress-responsive genes, physiological responses). In this Special Issue, different types of manuscripts, including original research papers, perspectives, or reviews, are welcome.

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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, 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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