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Systemic Signaling during Abiotic Stress in Plants

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

In the presence of extreme environmental conditions, such as heat, salinity, and a decrease in water availability, plants can suffer a devastating impact on their growth and productivity, with the possibility that entire ecosystems could collapse. Systemic signaling and systemic acquired acclimation (SAA) are essential to the survival of plants during abiotic stress episodes. Microorganisms, the most common inhabitants of diverse environments, are capable of mitigating abiotic stress through their metabolic capabilities. It is well known that plants–microbe interactions involve a number of complex mechanisms within the plant's cellular system. Research in the field of biochemistry, molecular biology, and physiology is paving the way for a better understanding of the complex yet integrated functions of the cells. This Special Issue of *Plants* will highlight “Systemic Signaling during Abiotic Stress in Plants” and discuss current knowledge on the role of microbe-mediated mitigation under abiotic stress.



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Special Issue



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Message from the Editor-in-Chief

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