

Special Issue

The Role of Salicylic Acid in Mitigating Plant Stress and Its Application in Agriculture

Message from the Guest Editor

Salicylic acid (SA) is one of the most fascinating plant hormones, and is involved in several stress responses in plants. As our knowledge of SA receptor and signaling pathways is increasing, more information could help us to efficiently use this compound in different manners to mitigate plant stress responses. Increasing evidence indicates that SA could be an efficient growth regulator or biostimulant by adjusting secondary metabolites or promoting antioxidant defense mechanisms in plants suffering different stress conditions during extreme climate change. The comparison of two or more genotypes with different SA content is also welcome in this Issue. This Special Issue focuses on the role of SA in mitigating abiotic-stress-induced injuries in plants and gathering supporting information about SA-mediated protective mechanisms in many crop species in agriculture. New SA application modes could elucidate new strategies for increasing the climate resilience of our crops in order to achieve a sustainable agriculture industry. This Special Issue welcomes the submissions on topics related to SA-mediated stress responses and the efficient application of SA in agriculture.

Guest Editor

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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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