Special Issue

Abiotic Stress-Induced Secondary Metabolites Regulating Plant Metabolism

Message from the Guest Editor

When plants are exposed to adverse conditions such as mechanical damage, drought, waterlogging, salinity, ultraviolet radiation, heavy metal pollution, etc., its body produces a series of complex biochemical reactions to activate its own defense system in response to environmental stress. At the same time, the plant is often accompanied by the synthesis and accumulation of secondary metabolites with strong antioxidant capacities, such as flavonoids, phenolic acids, and gamma-aminobutyric acid. Besides, the secondary metabolite presents in plants with one or more aromatic rings containing one or more hydroxyl groups, which have a wide spectrum of biological activities, including antioxidant, antibiosis, etc. Therefore, the synthesis and accumulation of plant secondary metabolites have received extensive attention. The plant organism realizes the synthesis and metabolism of specific compounds by regulating the genes, protein expression levels and signaling of key enzymes in its anabolic pathway. This Special Issue of *Plants* will highlight the function, synthesis, and diversity of plant secondary metabolites in plants and their accumulation under abiotic stress.

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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