

Special Issue

Plant Metabolites and Regulation under Environmental Stress

Message from the Guest Editor

Plant metabolites are fundamental compounds of normal plant development and are involved in metabolic responses to environmental stresses. Elevated carbon dioxide content, water scarcity, extreme temperature, and inadequate nutrient supply cause severe yield losses in agriculture, threatening the food supply of the growing human population. Plants synthesizing compounds from primary metabolites to diverse and complex secondary plant products are able to respond rapidly to abiotic stress by reprogramming their metabolic profile. This Special Issue focuses on abiotic-stress-induced metabolic adjustments and their regulations in plants. Characterizing the metabolic composition of plants grown under variable and unpredictable climate can help us to decipher new metabolic sensors and signaling pathways.

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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