Special Issue

Genetic and Biochemical Mechanisms of Abiotic Stress Responses in Phototropic Organisms

Message from the Guest Editors

Phototropic organisms are regularly exposed to changing environmental conditions during their lifetime. Environmental stresses caused by global climate change are exerting adverse effects on growth, development, survival, and yield. Studies are needed on the morphological, physiological, biochemical, molecular, and metabolic responses observed in phototrophic species and accessions that are tolerant or resistant to environmental stresses with a view to the functional characterization of genes involved in adaptation processes. This Special Issue aims to bring together knowledge on phenotypic, genomic, genetic, and metabolomic responses in plants and algae to environmental stresses. Information related to morphological, physiological, biochemical, metabolomic, and genetic mechanisms for tolerance and the associated problem of environmental stress will be addressed.

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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.

Editor-in-Chief

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