

Special Issue

Alteration of Growth, Physiological, Biochemical and Molecular Responses of Phototropic Organisms to Environmental Stress

Message from the Guest Editors

Phototropic organisms are regularly exposed to changing environmental conditions during their lifetime. Environmental stresses cause adverse effects on growth, development, survival, and yield. Studies are needed on the morphological, physiological, biochemical, molecular, and metabolic responses observed in phototropic 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 to environmental stresses. The information of morphological, physiological, biochemical, metabolomic, and genetic mechanisms for tolerance and the associated problem of environmental stress will be addressed.

Guest Editors

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Deadline for manuscript submissions

closed (30 September 2023)



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About the Journal

Message from the Editorial Board

Cells has become a solid international scientific journal that is now indexed on SCIE and in other databases. We have successfully introduced a special issues format so that these issues serve as mini-forums in specific areas of cell science. *Cells* encourages researchers to suggest new special issues, serve as special issues editors, and volunteer to be reviewers. Our main focus will remain on cell anatomy and physiology, the structure and function of organelles, cell adhesion and motility, and the regulation of intracellular signaling, growth, differentiation, and aging. We are open to both original research papers and reviews.

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 16 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the first half of 2025).