

Special Issue

Antioxidant System of Plants— Changes during Development and Multi Stress Response

Message from the Guest Editors

During growth and development, plants are exposed to changing environmental factors. These factors can have a negative effect on the functioning of plants and change their metabolism and chemical composition. Stressful conditions often cause oxidative impairments that the plant defeats with its antioxidant system, activating one of the most versatile mechanisms of stress defence. In natural conditions, several factors may interact at the same time, diversifying plant responses. The results of experiments concerning the impact of a single factor do not always correspond to the observations made in the environment. Therefore, we encourage the scientific community to present experiments focusing on plant reaction to two or more stresses applied simultaneously or in sequence. We encourage you to present studies reporting on enzymatic and non-enzymatic antioxidants, particularly in relation to their quantity, activity, cellular localization, as well as regulation of their biosynthesis at the level of gene expression and phytohormonal signalling.

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Deadline for manuscript submissions

closed (30 November 2021)



Plants

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Impact Factor 4.0
CiteScore 6.5
Indexed in PubMed



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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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