

Special Issue

Wild Halophytes: Tools for Understanding Salt Tolerance Mechanisms of Plants and for Adapting Agriculture to Climate Change II

Message from the Guest Editors

All our major crops and most plant wild species are glycophytes, sensitive to relatively low salt levels in the soil. On the contrary, a relatively small group of plants—the halophytes—are adapted to natural saline environments and can survive and complete their life cycle in habitats with soil salinity equivalent to 200 mM NaCl, although some can withstand salinities even higher than that of seawater. These saline habitats are fascinating from an ecological perspective, but also very much threatened by human activities and extremely sensitive to climate change effects. We are proud to launch this Special Issue's second edition, which will again cover all biological and biotechnological aspects of halophytes research mentioned above, reflected in original research papers, reviews, minireviews or opinion papers. Those topics or experimental strategies not addressed or underrepresented in the first edition will be especially welcome: halophyte ecophysiology, investigation of stress-tolerance mechanisms using molecular biology or 'omics' approaches, and agronomic assessments of halophytes as 'new' crops for saline agriculture.

Guest Editors

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Deadline for manuscript submissions

closed (30 June 2024)



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, and 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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