

Special Issue

Priming-Mediated Abiotic Stress and Cross-Stress Tolerance in Crop Plants: Physiological, Biochemical and Molecular Interventions

Message from the Guest Editors

Plants growing under field conditions are constantly exposed, either sequentially or simultaneously, to more than one abiotic or biotic stress factors. Recently, priming-mediated stress and cross-stress tolerance have attracted considerable interest from the scientific community as a potential means of stress management and also for producing stress-resilient crops in order to aid with sustaining global food security. Because it is known that the induction of cross-tolerance in crop plants often involves common factors, an in-depth understanding of the biochemical and molecular mechanisms associated with the development of cross-stress tolerance in plants is still lacking. Hence, there is an urgent need to improve our understanding of the complex mechanisms involved in priming-mediated stress and cross-stress tolerance in order to help develop modern varieties of crop plants that are more resilient to environmental stress. We invite original and review articles on the latest understanding of the physiological, biochemical, and molecular basis of priming-mediated stress tolerance and cross-stress tolerance in crop plants.

Guest Editors

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Deadline for manuscript submissions

closed (30 December 2021)



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About the Journal

Message from the Editor-in-Chief

Crops (ISSN 2673-7655) is an international, peer-reviewed, open access journal. It publishes original articles, critical reviews, and short communications in every aspect of crop science. The journal invites contributions concerning production, improvement and utilization of all plants that are grown as crops including grains, oilseeds, forages, vegetables, fruits, nuts, and those grown for industrial uses. Our aim is to publish timely experimental and theoretical research results in a rapid and readily accessible manner. Every published article is made immediately available worldwide with free and unlimited access to everyone. If you want your work to reach a global audience of crop scientists, we invite you to submit a paper *Crops*, the international journal of crop science.

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