

Special Issue

The Jasmonate Pathway: New Actors, Mechanisms and Impacts

Message from the Guest Editor

Jasmonates (JAs) define a multifaceted hormonal pathway that shapes numerous aspects of plant development, reproduction, and adaptation to environmental challenges. The present Special Issue invites authors in the field to contribute review and research articles on new actors, mechanisms and impacts on the JA pathway in a diversity of plant species or even microorganisms. Topics include, but are not limited to, jasmonate metabolism and targeted modifications, perception, cellular and long-distance signaling mechanisms, hormonal crosstalk, roles in biotic and abiotic stress adaptation, growth inhibition, induction of specialized metabolism, beneficial interactions, reproduction, evolution. Epigenetic aspects of JA regulation are also welcome.

Guest Editor

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Deadline for manuscript submissions

closed (30 June 2019)



Plants

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Impact Factor 4.1
CiteScore 7.6
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

Prof. Dr. Dilantha Fernando
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