

Special Issue

Salicylic Acid Signalling in Plants 2022

Message from the Guest Editor

Salicylic acid (SA) is ubiquitously distributed in the whole plant kingdom. The basal level of SA differs widely among species. It is generally present either in the free state or in the form of glycosylated, methylated, glucose ester, or amino acid conjugates. In plants, SA can be synthesized via two distinct and compartmentalized enzymatic pathways, both requiring the primary metabolite chorismate. L-phenylalanine, derived from chorismate, can be converted into SA via the precursors free benzoic acid, benzoyl glucose, or ortho-hydroxycinnamic acid, depending on the plant species. Chorismate can also be converted into SA via isochorismate. Papers submitted to this Special Issue must report high-novelty results and/or new models on the mode of action of SA in plants. The molecular mechanism(s) of SA-related signaling processes, new results of the synthesis of SA, and the role of other related molecules (precursors, conjugated forms, etc.) are also of interest. Research articles and review papers are also welcome.

Guest Editor

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Deadline for manuscript submissions

closed (30 June 2023)



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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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