

## Special Issue

# New Insight into Signaling and Autophagy in Plants

### Message from the Guest Editors

One of the processes that enable plants to respond efficiently to a changing environment, both internal and external, is autophagy. The efficient functioning of autophagy ensures proper growth and development of plants at every stage of ontogenesis. Under normal conditions, autophagy is a housekeeping process, allowing the recycling of damaged or unnecessary organelles and protein complexes, and under various types of biotic and abiotic stresses can be an essential element of plant defense responses. The autophagic turnover of organelles and protein complexes occurs in a controlled and selective manner. The attention of many scientists is currently focused on identifying the elements of signaling pathways and the mechanisms of marking, recognizing, and directing particular cell components to autophagic degradation in the vacuole. This Special Issue will publish original research papers, reviews, short reviews, opinion articles, and hypotheses within the scope of the newest discoveries in signaling and autophagy in plants. In particular, we welcome papers showing molecular data on signal perception and transduction as well as selective types of autophagy in plants.

### Guest Editors

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### Deadline for manuscript submissions

closed (31 March 2021)



## International Journal of Molecular Sciences

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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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