

## Special Issue

# Autophagy and Programmed Cell Death in Plants and Algae

### Message from the Guest Editor

Autophagy and Programmed Cell Death (PCD) occurs at each stage of plant ontogenesis, enabling growth and development under both normal and stressed conditions. While recent advances have significantly expanded our understanding of plant autophagy and the mechanisms and functions of PCD, gaps remain in our comprehension of their course and role in plant life. This Special Issue aims to cover a wide range of issues related to plant autophagy and PCD. Suitable topics include molecular data on the course of autophagy and PCD, the relationships between these two processes, their regulation, and their significance in plant growth and development—particularly in the context of the responses of plants to biotic and abiotic stresses. Contributions related to autophagy and PCD, not only in model plants but also in other plant species including algae and crop plants, are especially encouraged.

### Guest Editor

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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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