

## Special Issue

# Molecular and Cellular Characterizations: Reproductive Development in Plants

### Message from the Guest Editor

The Special Issue will focus on publishing high-quality research in the field of cellular and molecular mechanisms of reproductive development in ornamental plants, including those involved in the process of floral induction and organogenesis, flower bud or organ development, meiosis, microsporogenesis and male gametophyte development, megasporogenesis and female gametophyte development, pollen germination, pollen tube growth and guidance, double fertilization and embryo development, seed development and dormancy, etc. Studies focusing on revealing the molecular mechanism of self-incompatibility, cross-compatibility, cross-reproductive barriers, and the strategies to overcome the barriers underlying distant hybridization (including interspecific and intergeneric hybridization) are strongly encouraged and will be given priority for acceptance to publication. **Keywords:**

- floral induction and organogenesis
- flower bud development
- meiosis
- microsporogenesis
- megasporogenesis
- pollen development
- pollen germination
- pollen tube growth
- embryo development and abortion
- self-incompatibility
- cross compatibility
- cross reproductive barrier.

### Guest Editor

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## International Journal of Molecular Sciences

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## About the Journal

### Message from the Editor-in-Chief

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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### Editor-in-Chief

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