

## Special Issue

# Molecular Plant Reproduction: From Cells to Nature

### Message from the Guest Editor

Sexual plant reproduction is a complex process inherent to the life cycle of a plant to generate new offspring, and is central in agricultural production. It begins with the appropriate environmental conditions necessary for floral induction and the assignment of a floral fate to the plant's meristems, the development of a flower carrying the female and male gametophytes, and the participation of gametes in the reproductive stages, from pollination to fertilization, which then produces the embryo and seed endosperm. Seed germination and seedling establishment close the life cycle of the plant, generating new offspring.

Today more than ever, our knowledge of the molecular aspects of plant reproduction in model and non-model plants plays a crucial role both for understanding the ecology of plant life in Nature and for providing adequate services to human societies.

The forthcoming topical collection aims to provide a platform for researchers from different fields to publish studies dealing with any molecular aspect of plant reproduction, from the transition from vegetative to reproductive development until seed maturation and seedling establishment in Nature.

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### Guest Editor

Dr. Diego Hojsgaard

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### Deadline for manuscript submissions

closed (15 March 2025)



## Biomolecules

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*Biomolecules* is a multidisciplinary open-access journal that reports on all aspects of research related to biogenic substances, from small molecules to complex polymers. We invite manuscripts of high scientific quality that pertain to the diverse aspects relevant to organic molecules, irrespective of the biological question or methodology. We aim for a competent, fair peer review and rapid publication. Please look at some of the exciting work that has been published in *Biomolecules* so far. We would be delighted to welcome you as one of our authors.

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