

Special Issue

Plant Reproductive Development and Ecology

Message from the Guest Editors

Dear colleagues, The combined use of different reproductive strategies by a single plant species and the interaction with other components of the ecosystem offers unique opportunities for the generation, selection, and spread of elite genotypes, well suited to the environment or capable of colonizing new habitats. Similarly, a mindful combination of reproductive behaviors and useful interactions in plant breeding programs might allow optimal use of germplasm diversity and provide novel cultivar varieties carrying desirable traits. This Special Issue of *Plants* will welcome primary research papers and reviews focused on the genetic, epigenetic, cytoembryological, omic, and biochemical aspects of plant sexual and asexual reproductive development, the interaction of plant reproductive systems with the ecological community, and the impact of plant reproduction in population structures and the ecosystem. It will also highlight articles prospectively exploring the use and consideration of these features in breeding programs.

Guest Editors

Dr. Silvina Claudia Pessino

Plant Reproductive Development (DREP) Group, IICAR, CONICET-National University of Rosario, S2000 Rosario, Argentina

Dr. Juan Pablo A. Ortiz

Plant Reproductive Development (DREP) Group, IICAR, CONICET-National University of Rosario, S2000 Rosario, Argentina

Deadline for manuscript submissions

closed (31 January 2023)



Plants

an Open Access Journal
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Impact Factor 4.1
CiteScore 7.6
Indexed in PubMed



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Plants
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
plants@mdpi.com

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About the Journal

Message from the Editor-in-Chief

Plants is an open access journal which provides an advanced forum for research findings in areas related to plant function, its physiology, biology, taxonomy, stresses, and its interactions with other organisms. It publishes original research articles, reviews, reports, and conference proceedings (peer reviewed full articles) and communications. In original research papers, it is important that full experimental details are provided. We also encourage timely reviews and commentaries on topics of interest to the plant research community.

Editor-in-Chief

Prof. Dr. Dilantha Fernando
Department of Plant Science, University of Manitoba, Winnipeg, MB
R3T 2N2, Canada

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