Special Issue

Molecular Genetics and Plant Breeding 2.0

Message from the Guest Editors

Plant breeding is a historical academic discipline which laid the foundations of modern agriculture. The principles of classical breeding are still the nucleus of modern breeding science and industry. On the other hand, recent methodological advancements in genomics, biotechnology, molecular biology, and bioinformatics have revolutionized the area of plant breeding and its linkages with related disciplines. These developments have opened new interdisciplinary areas of plant breeding with quantitative genetics, genomics, agro-biotechnology, and bioinformatics. This special issue will focus on innovative research on the exploration and utilization of crop biodiversity for improving essential breeding traits using molecular techniques and to replenish the genetic potential of the cultivated gene pool for yield and sustainability. Keywords

- crop biodiversity
- wild accessions
- molecular breeding
- drought stress adaptation
- disease resistance
- predictive breeding
- genomic prediction

*An early-bird discount will be offered for submission before the deadline.

Guest Editors

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Deadline for manuscript submissions

closed (31 October 2022)



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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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