



an Open Access Journal by MDPI

Molecular Genetics and Plant Breeding 2.0

Guest Editors:

Dr. Andrés J. Cortés

1. AGROSAVIA (Corporación Colombiana de Investigación Agropecuaria)–CI La Selva, Rionegro 054048, Colombia
2. Evolutionary Biology Centre, Department of Plant Ecology and Genetics, Uppsala University, 751 85 Uppsala, Sweden

Prof. Dr. Hai Du

College of Agronomy and Biotechnology, Chongqing Engineering Research Center for Rapeseed, Southwest University, Chongqing 400716, China

Deadline for manuscript submissions:

closed (31 October 2022)

Message from the Guest Editors

Dear Colleagues,

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.

Special Issue





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of
Odontostomatologic and
Specialized Clinical Sciences,
Sez-Biochimica, Faculty of
Medicine, Università Politecnica
delle Marche, Via Ranieri 65,
60100 Ancona, Italy

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, PMC, MEDLINE, Embase, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Inorganic Chemistry)

Contact Us

*International Journal of Molecular
Sciences* Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/ijms
ijms@mdpi.com
X@IJMS_MDPI