



Plant Genomics and Genome Editing 2.0

Guest Editor:

Prof. Dr. Hikmet Budak
Montana BioAgriculture, Inc.,
Missoula, MT 59802, USA

Deadline for manuscript
submissions:
closed (31 July 2023)

Message from the Guest Editor

Scientists are able to precisely edit genomes efficiently and cost-effectively thanks to the many high-quality reference genome sequences that are currently available. Zinc finger nucleases (ZFNs), transcription activator-like effector-based nucleases (TALENs), and the clustered regularly interspaced short palindromic repeats (CRISPR)-Cas system have been successfully employed to edit numerous individual genes in many organisms, and CRISPR-edited plants are now on the market. The CRISPR-Cas system has been widely used to edit genetic elements in genomes for various applications—not only crop improvement, but also many gene therapy studies. In this Special Issue, we cordially invite scientists from across the world to contribute their cutting-edge research on plant genomics and genome editing. We welcome the submission of original research articles and short communications contributing to the advancement of genomics and genome editing, including techniques, applications, trait development, and enabling database and computational software. We are also inviting scientists to write reviews for this 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, Grosspeteranlage 5
4052 Basel, Switzerland

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

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