

Special Issue

Modifying the Gene and Genome Space in Wheat

Message from the Guest Editor

A Special Issue on “Modifying the Gene and Genome Space in Wheat” is planned for *IJMS*, and will include papers with new research data and timely review articles focused on the “plasticity” of the genome that is possible because of the buffering effects from having three similar (homoeologous) genomes coexisting in the same nucleus. Modification to the gene and genome space can take the form of breeding-based selection for changes driven by adaption to specific environments and abiotic/biotic stress, alien chromosome introgressions, mutation/deletion protocols, CRISPR technologies, and established GM technologies. Detailed functional interpretation of gene networks within the polyploid molecular genetic environment of wheat is now a fast-moving area of biological research, as the knowledge base of the rules governing this complex genetic makeup is established. In parallel, basic research has established a new framework for providing society with novel wheat lines uniquely suited to new environments in order to maintain the food supply for an expanding world population.

Guest Editor

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Deadline for manuscript submissions

closed (27 August 2021)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



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Molecular Sciences*
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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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