



an Open Access Journal by MDPI

Genetic Analysis Based on CRISPR/Cas9 Technology

Guest Editors:

Prof. Dr. Kwon-Kyoo Kang

Division of Horticultural Biotechnology, Hankyung National University, Anseong 17579, Republic of Korea

Prof. Dr. Yong-Gu Cho

Department of Crop Science, College of Agriculture, Life and Environment Sciences, Chungbuk National University, 1 Chungdae-ro, Seowon-gu, Chongju 28644, Republic of Korea

Deadline for manuscript submissions: closed (30 June 2023)

Message from the Guest Editors

Dear Colleagues,

Recently, many papers have been reported on the results in which gene editing technology was applied using functional genes of plants and animals. These reports suggest that gene editing technology has excellent genome editing tools and is applicable to most organisms. It is interesting on how mutations are obtained through gene editing such as KO, KI, NHEJ and HDR, and how is affected the expression of many other genes in the genome as well as genetic analysis. We will be accepting on papers how to use the genetic resources to solve genetic problems and how to apply them to new breeding programs through gene editing technology. This Special Issue of the International Journal of Molecular Sciences (IJMS) welcomes to have articles on reviews and research results.

Prof. Dr. Kwon-Kyoo Kang Prof. Dr. Yong-Gu Cho *Guest Editors*









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 & 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