



From Functional Genomics to Biotechnology in Ornamental Plant

Guest Editors:

Prof. Dr. Fure Chyi Chen

Department of Plant Industry,
National Pingtung University of
Science and Technology,
Pingtung 91201, Taiwan

Prof. Dr. So-Young Park

Department of Horticultural
Science, Division of Animal,
Horticulture and Food Sciences,
Chungbuk National University,
Cheongju 28644, Korea

Deadline for manuscript
submissions:

closed (30 September 2022)

Message from the Guest Editors

Recent developments in modern molecular tools, such as genomics, proteomics, transcriptomes, genetic transformation and gene editing, has provided opportunities to improve or introduce desirable genes or traits into the genome of ornamental plants. The aim of this Special Issue is to focus on the use of molecular tools of all aspects to generate novelty ornamentals, such as color, fragrance, plant architecture, disease and pest resistance, and so on.

This Special Issue will welcome submissions of original research papers and reviews, including but not limited to studies in:

Ornamental genomics and transcriptomics (functional and comparative); molecular genetics and development; molecular breeding; marker-assisted selection breeding; non-coding RNA regulation; gene editing; ornamental transformation; micropropagation and somaclonal variation.





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, CAPus / 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