



Silicon-Based Solutions for the Mitigation of Abiotic and Biotic Stresses in Plants

Guest Editor:

Dr. Gea Guerriero

Environmental Research and
Innovation (ERIN) Department,
Luxembourg Institute of Science
and Technology (LIST), L-4940
Hautcharage, Luxembourg

Deadline for manuscript
submissions:

closed (10 September 2023)

Message from the Guest Editor

Dear Colleagues,

This Special Issue aims to attract the interest of the scientific community studying the impact of Si on the response of plants to (a)biotic stresses and the use of Si-based nanodelivery systems tailored for agronomical uses. Contributions in the form of original research papers, as well as topical reviews and/or short communications focusing on the use of -omic technologies (RNA-Seq, metabolomics, proteomics, metagenomics/metatranscriptomics), microscopy (e.g., high-resolution, confocal), and nanotechnology for the manufacture and characterization of Si-containing nanoparticles are welcome.





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