



Phytohormones: From Physiological Response to Application

Guest Editors:

Dr. Asta Žukauskaitė

Department of Chemical Biology,
Faculty of Science, Palacký
University, Olomouc, Czech
Republic

Dr. Karel Doležal

1. Laboratory of Growth
Regulators, Faculty of Science,
Palacký University & Institute of
Experimental Botany Academy of
Sciences of the Czech Republic,
779 00 Olomouc, Czech Republic
2. Department of Chemical
Biology, Faculty of Science,
Palacký University, 779 00
Olomouc, Czech Republic

Message from the Guest Editors

Phytohormones are naturally occurring small-size molecules that play pivotal roles in modulating physiological processes in plants. This Special Issue aims to delve into mechanisms by which phytohormones and other plant-growth-regulating substances influence plant growth, development, and responses to external stimuli. Manuscripts that bridge the gap between scientific studies and real-world implementation, exploring the potential practical applications of acquired knowledge across agricultural and horticultural contexts are especially encouraged. Moreover, in the view of escalating global temperatures and changing weather patterns, the development of novel plant-growth-regulating substances holds immense promise. Thus, manuscripts on the synthesis and biological evaluation of such compounds are also welcome.

Deadline for manuscript
submissions:

31 August 2024





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