

Special Issue

Hormones and Animal-Derived Compounds of Plants

Message from the Guest Editor

Dear colleagues, Hormones or other bioactive compounds are derived from plant biosynthetic pathways that can act locally (at the site of their synthesis) or transported to some other site within the plant body to mediate growth and development responses. In many plant species, various animal hormones occur and play a key role in the control of reproductive development. Animal hormones, e.g., androgens, estrogens, corticosteroids, and ecdysteroids, research to enhance plants' production and performance, have gained momentum. This Special Issue entitled "Hormones and Animal-Derived Compounds of Plants" welcomes original research articles that present: 1) all aspects of the hormonal regulation of growth, development, and senescence; 2) phytohormone signaling pathways under environmental stress; 3) functions of animal hormones in plants. I look forward to the novel and fascinating research outcomes. I also appreciate the submission of review articles that critically assess and discuss the current state of the art concerning the highlighted topics.

Guest Editor

Dr. Andrzej Bajguz

Department of Biology and Plant Ecology, Faculty of Biology, University of Białystok, Białystok, Poland

Deadline for manuscript submissions

closed (20 July 2022)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/63432

*International Journal of
Molecular Sciences*
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
ijms@mdpi.com

[mdpi.com/journal/
ijms](https://mdpi.com/journal/ijms)





International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



[mdpi.com/journal/
ijms](https://mdpi.com/journal/ijms)



About the Journal

Message from the Editor-in-Chief

The *International Journal of Molecular Sciences (IJMS)* 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, and molecular biophysics. *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.

Editor-in-Chief

Prof. Dr. José L. Quiles
Department of Physiology, Institute of Nutrition and Food Technology
"Jose Mataix", Biomedical Research Center, University of Granada,
Avda. Conocimiento s/n, 18100 Armilla, Granada, Spain

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 (Organic Chemistry)