



an Open Access Journal by MDPI

Signal Transduction Pathways in Plants for Resistance against Plant Pathogens 2022

Guest Editor:

Prof. Dr. Hon-Ming Lam

 School of Life Sciences, The Chinese University of Hong Kong, Hong Kong SAR, China
Institute of Environment, Energy and Sustainability, The Chinese University of Hong Kong, Hong Kong SAR, China

Deadline for manuscript submissions: closed (31 July 2023)

Message from the Guest Editor

Dear Colleagues,

This Special Issue is the continuation of our previous special issue "Signal Transduction Pathways in Plants for Resistance against Plant Pathogens 2020".

Pathogens could severely limit plant growth and hence pose a severe threat to crop productivity. The coevolutionary war between plants and their pathogens has led to the development of complex signaling systems in plants, enabling them to sense the presence of both compatible and incompatible pathogens and trigger their defense systems precisely and promptly. This Special Issue explores the signal transduction pathways in plants that led to resistance against pathogens, including, but not limited to, functional analysis of qualitative and quantitation resistance genes, defense mechanisms, plantpathogen interactions, and signal transduction crosstalk.

Prof. Dr. Hon-Ming Lam Guest Editor



Specialsue





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