



Light as a Growth and Development Regulator to Control Plant Biology

Guest Editor:

Prof. Dr. Bin Liu

State Key Laboratory of Crop
Gene Resources and Breeding,
Institute of Crop Science, Chinese
Academy of Agricultural
Sciences, Beijing 100081, China

Deadline for manuscript
submissions:

closed (31 May 2022)

Message from the Guest Editor

Dear Colleagues,

Plants, as sessile organisms, adjust their growth and development in response to environmental changes. Light provides both energy for photosynthesis and signals to optimize plant growth strategy throughout the whole life cycle ranging from seed germination to flowering and senescence. Engineering light signal transduction has great potential to improve crop performance in agriculture. This Special Issue aims to publish fundamental discoveries in light regulation of plant biology. We welcome submissions of both research and review articles in the areas of plant photoreceptors, light signalling, photomorphogenesis, shade avoidance, phototropism, photoperiodic flowering, circadian clock, photosynthesis, crosstalk between light and other signalling pathways, and crop improvement based on photobiology.

Dr. Bin Liu
Guest Editor





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 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