



## Regional Adaptation of Crop Plant in Response to Environmental Stress

Guest Editor:

**Prof. Dr. Soo-Cheul Yoo**

Department of Plant Life and  
Environmental Science,  
Hankyong National University,  
Anseong 17579, Republic of  
Korea

Deadline for manuscript  
submissions:

**closed (31 July 2020)**

### Message from the Guest Editor

Dear Colleagues,

Abiotic stress has been becoming a major threat to food security due to the constant climate changes and environment deterioration. To cope with abiotic stress, sessile plants can initiate a number of molecular, cellular, and physiological changes to respond and adapt to such stresses. Better understanding of the plant acclimation and adaptation to environmental fluctuations will aid in the development of climate resilient plants. Rice (*Oryza sativa* L.) is a major staple food for approximately one-half the world's population, and also a model crop for molecular studies in monocotyledonous plants with accumulated knowledge and techniques.

The papers submitted to this Special Issue should report original research that addresses the underlying molecular mechanisms of the crop plant in response to a wide range of abiotic stress, along with cross-talking with flowering genes that are also involved in increasing adaptability in adverse environment. Multidisciplinary approaches with genetic, molecular, physiological, biochemical, and systems biology perspectives are greatly appreciated.





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