



## Molecular Mechanism for Abiotic Stress Tolerance in Vegetables

Guest Editor:

**Dr. Jose M. Mulet**

Institute for Plant Molecular and  
Cell Biology (IBMCP), Universitat  
Politècnica de València-CSIC,  
46022 València, Spain

Deadline for manuscript  
submissions:

**closed (30 April 2024)**

### Message from the Guest Editor

Dear Colleagues,

Abiotic stress is among the worst outcomes of climate change and represents a major threat to agriculture and concomitantly to food production. Most crops have a narrow margin of tolerance to abiotic stress. We have gained knowledge about the molecular mechanisms involved in plant adaptation, tolerance and resistance to abiotic stress, but most of the advancements in this regard have been made when performing experiments in model plants such as *Arabidopsis thaliana*. At the present moment, many crop genomes are available and we have new biology and molecular biology techniques that enable a deep study of the molecular basis of abiotic stress in crops, as well as the application of knowledge generated in recent years to increasing agronomical yield under adverse environmental conditions and climate change. Additionally, we welcome descriptions of the effect, at the molecular level, of biostimulants or symbiotic microorganisms (mycorrhiza, PGPR...), or of the ability of nanobiotechnology to alleviate abiotic stress.

Dr. Jose M. Mulet  
*Guest Editor*





an Open Access Journal by MDPI

## Editor-in-Chief

### **Prof. Dr. Leslie A. Weston**

Graham Centre for Agricultural  
Innovation, Charles Sturt  
University, Wagga Wagga, NSW  
2678, Australia

## Message from the Editor-in-Chief

*Agronomy* draws together researchers from diverse areas of agricultural research with a common aim of enhancing agricultural productivity globally. The journal provides unlimited free access to all those interested in advancing agricultural science from both the research and general community. Papers are released immediately after acceptance through the internet. *Agronomy* is supported by our authors and their institutes through low article processing charges (APC) for accepted papers. We hope you will support the journal by becoming one of our authors.

## 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), PubAg, AGRIS, and other databases.

**Journal Rank:** JCR - Q1 (*Agronomy*) / CiteScore - Q1 (*Agronomy and Crop Science*)

## Contact Us

---

*Agronomy* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/agronomy](http://mdpi.com/journal/agronomy)  
[agronomy@mdpi.com](mailto:agronomy@mdpi.com)  
[X@Agronomy\\_Mdpi](https://twitter.com/Agronomy_Mdpi)