



*plants*



an Open Access Journal by MDPI

## Cereal Stress Physiology

Guest Editor:

**Dr. Marija Viljevac Vuletić**

Agrochemical Laboratory,  
Agricultural Institute Osijek, HR-  
31000 Osijek, Croatia

Deadline for manuscript  
submissions:

**closed (31 May 2021)**

### Message from the Guest Editor

Every day we witness climate changes that significantly affect the yields and quality of cereal crops—the most significant source of food, especially in the least-developed countries. Abiotic stress conditions such as drought, floods, salinity, high and low temperatures, UV radiation, air and soil pollution, nutrient deficiency, etc. lead to reduced yields and quality of cereal crops, and very often stimulate the development and spread of plant pathogens.

The scientific community makes efforts to understand plant tolerance mechanisms and the genetics behind them, and has provided valuable information that breeders use in their breeding programs to create tolerant cultivars and hybrids. This Special issue is devoted to cereal crop research on single or combined stresses in controlled or field conditions. All studies about physiological and metabolic response mechanisms under and after stress conditions at the tissue, organ or whole-plant level are welcome.



[mdpi.com/si/57055](https://mdpi.com/si/57055)

**Special** issue



an Open Access Journal by MDPI

## Editor-in-Chief

**Prof. Dr. Dilantha Fernando**  
Department of Plant Science,  
University of Manitoba, Winnipeg,  
MB R3T 2N2, Canada

## Message from the Editor-in-Chief

*Plants* is an open access journal which provides an advanced forum for research findings in areas related to plant function, its physiology, biology, taxonomy, stresses, and its interactions with other organisms. It publishes original research articles, reviews, reports, conference proceedings (peer reviewed full articles) and communications. In original research papers, it is important that full experimental details are provided. We also encourage timely reviews and commentaries on topics of interest to the plant research community.

## 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, PubAg, AGRIS, CAPlus / SciFinder, and other databases.

**Journal Rank:** JCR - Q1 (Plant Sciences) / CiteScore - Q1 (Ecology, Evolution, Behavior and Systematics)

## Contact Us

---

Plants Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

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

[mdpi.com/journal/plants](http://mdpi.com/journal/plants)  
[plants@mdpi.com](mailto:plants@mdpi.com)  
[X@Plants\\_MDPI](https://twitter.com/Plants_MDPI)