



## New Insights into Crop Response and Tolerance to Salinity Stress

Guest Editors:

**Prof. Dr. Geovani Soares de Lima**

Unidade Acadêmica de Ciências Agrárias, Universidade Federal de Campina Grande-UFCG, Campus Pombal, Pombal, PB, Brazil

**Prof. Dr. Hans Raj Gheyi**

Academic Unit of Agricultural Engineering, Universidade Federal de Campina Grande, Campina Grande, PB, Brazil

Deadline for manuscript submissions:

**closed (20 September 2023)**

### Message from the Guest Editors

With the expansion of population growth in recent decades, associated with the advancement of areas affected by salts in various regions of the world, one of the most imperative challenges of modern agriculture is the search for strategies for managing soil and water salinity, especially in arid and semiarid regions, as a way of ensuring food security. Thus, the successful use of brackish water for irrigation of crops or cultivation in areas with salinity and/or sodicity problems requires adequate management practices, such as the selection of salt-tolerant crops. This issue on “Crop Response and Tolerance to Salt Stress” will include studies on the effects of salts on plants, mechanisms of tolerance, crop tolerance associated with ionic relationships, physiological and biochemical responses to salt stress, osmotic, ionic, and biochemical homeostasis, and the related biomolecular mechanisms with salt stress tolerance. In this issue, original research manuscripts, short communications, and reviews are welcome. Manuscripts submitted to *Agriculture* must not have been previously published or be under consideration for publication in another journal.





an Open Access Journal by MDPI

## Editor-in-Chief

### Prof. Dr. Les Copeland

Sydney Institute of Agriculture,  
School of Life and Environmental  
Sciences, The University of  
Sydney, Sydney, NSW 2006,  
Australia

## Message from the Editor-in-Chief

*Agriculture* (ISSN 2077-0472) is an international, crossdisciplinary and scholarly open access journal on the science and technology of crop and animal production, and management of the natural resource base for agricultural production. *Agriculture* is published in an open access format – research articles, reviews and other contents are released on the internet immediately after acceptance. The scientific community and the public have unlimited and free access to the content as soon as it is published.

## 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, RePEc, and other databases.

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

## Contact Us

---

Agriculture Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
www.mdpi.com

mdpi.com/journal/agriculture  
agriculture@mdpi.com  
X@AgricultureMdpi