



plants



an Open Access Journal by MDPI

Agriculture and Crop Science: Innovation and Sustainability of Poaceae Crops

Guest Editors:

Prof. Dr. Jianliang Huang

Crop Physiology and Production Center (CPPC), College of Plant Science and Technology, Huazhong Agricultural University, Wuhan 430070, China

Dr. Yan Xu

Department of Biology, Ramapo College of New Jersey, Mahwah, NJ 07430, USA

Deadline for manuscript submissions:

closed (31 December 2023)

Message from the Guest Editors

The plant family Poaceae includes a large group of crops that are important economically as staple foods, animal feeds and sources of biofuel.

Understanding the mechanisms of their survival and ability to thrive under changing environmental conditions is critical for maintaining agricultural productivity and conserving a sustainable ecosystem. In particular, the combination of biotechnology, bioinformatics and systems biology has provided innovative methodologies to investigate these crops under field conditions and in controlled environments.

This Special Issue will collect review and research articles advancing fundamental or applied knowledge and newly developed technologies related to the innovation and sustainability of Poaceae crops.



mdpi.com/si/153567

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

mdpi.com/journal/plants
plants@mdpi.com
[X@Plants_MDPI](https://twitter.com/Plants_MDPI)