agriculture

an Open Access Journal by MDPI

IMPACT FACTOR 3.3

CITESCORE 4.9

Breeding and Genetics of Maize

Guest Editors:

Prof. Dr. Yurong Xie
Research Institute of Biology and Agriculture, University of Science and Technology Beijing, Beijing 100083, China

Dr. Xiupeng Mei
College of Agronomy and Biotechnology, Southwest University, Chongqing 400715, China

Deadline for manuscript submissions:
closed (15 October 2024)

Message from the Guest Editors

Maize is one of the most important cereal crops in the world. The germplasm resources of maize are rich. Maize breeding and genetic research are indispensable links in agricultural production which covers mining genetic resources, the functional analysis of key genes, genetic breeding methods, and technical system improvements including the traditional methods, such as selection,hybridization, germplasm improvement and other means to improve the traits of maize varieties, and the modern methods to make more direct modifications to maize genes through gene editing and transformation technologies to ameliorate maize varieties quickly and precisely without large-scale changes to the genetic genome. The methods and techniques of maize breeding research are constantly innovative which aim to explore more efficient and sustainable methods of maize breeding and genetic improvement and strive to develop more new varieties that are efficient, highly nutritious and adaptable to different climatic conditions. This Special Issue focuses on recent advances in the breeding and genetics of maize, inviting all types of articles, such as research papers and methods, reviews and opinions.

agriculture

IMPACT FACTOR 3.3

CITESCORE 4.9

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