agronomy

an Open Access Journal by MDPI

IMPACT FACTOR 3.4

CITESCORE 6.7

Maize Genetic Diversity and Seed Productivity

Guest Editors:

Dr. Amalio Santacruz Varela
Colegio de Postgraduados, Campus Montecillo, Programa de Recursos Genéticos y Productividad, Montecillo, Km 36.5 Carretera México-Texcoco. C.P., Texcoco 56230, Estado de México, México

Dr. Pedro Revilla
Department of Maize Breeding and Genetics, Misión Biológica de Galicia (Spanish National Research Council, CSIC), P.O. Box 28, 36080 Pontevedra, Spain

Deadline for manuscript submissions:
closed (25 October 2024)

Message from the Guest Editors

Maize is a crop of strategic importance for humanity. It is possible to cultivate it from sea level to altitudes greater than 3000 meters, in arid lands or wetlands, in acid or saline soils, with technologies spanning from rudimentary to highly mechanized, thanks to its extraordinary genetic diversity.

The genetic diversity of maize is a highly valuable resource, for which the geographical distribution must be quantified and studied, since it constitutes a toolbox to face unpredictable situations, such as the appearance of new pests and diseases, or abiotic stresses derived from climate change. The genetic diversity of maize can be used immediately for the generation of seeds of higher productivity cultivars, which contribute to solving the problems of food shortages in the face of the notable increase in the human population.

In this context, this Special Issue aims to gather knowledge about the magnitude of the current diversity of maize in different regions of the world using traditional and modern techniques for its assessment, as well as to analyze the experiences on the efficiency of its use through genetic improvement.

agronomy

IMPACT FACTOR 3.4

CITESCORE 6.7

an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Leslie A. Weston
Gulbali Centre for Agriculture, Water and Environment Research, 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), GEOBASE, PubAg, AGRIS, and other databases.
Journal Rank: JCR - Q1 (Agronomy) / CiteScore - Q1 (Agronomy and Crop Science)

Contact Us

Agronomy Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/agronomy
agronomy@mdpi.com
𝕏@Agronomy_Mdpi