



Genetic Identification, Exploration, Evaluation and Breeding of Plant Genetic Resources

Guest Editors:

Prof. Dr. Penelope Bebeli

Laboratory of Plant Breeding and Biometry, Department of Crop Science, Agricultural University of Athens, 11855 Athens, Greece

Prof. Dr. Vasileios Papasotiropoulos

Laboratory of Plant Breeding and Biometry, Department of Crop Science, Agricultural University of Athens, 11855 Athens, Greece

Prof. Dr. Jaime Prohens

Institute for the Conservation and Improvement of Valencian Agrodiversity (COMAV), Universitat Politècnica de València, Camino de Vera s/n, 46022 Valencia, Spain

Deadline for manuscript submissions:

closed (15 November 2023)

Message from the Guest Editors

As new uniform, distinct, and genetically homogeneous improved varieties are being bred to satisfy the market needs, less uniform landraces of annual species, traditional varieties, farmer's varieties, indigenous varieties of perennial species, crop wild relatives, wild-harvested plants, and other wild plant species are being lost, and their diversity eroded. Plant genetic resources have an important role to play to ensure food security but also in the production of other valuable materials such as fiber, fuel, chemical substances, etc.

The objective of this Special Issue is to provide new research and review articles on plant genetic resources worldwide. The scope of this Special Issue will include plant genetic resources' exploration, evaluation, and genetic identification to reduce the risk of genetic erosion and the loss of important alleles and genetic stocks, as well as to utilize the useful genes in crop breeding to increase yield stability in newly bred cultivars and to meet the growing environmental challenges and climate change.





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, scholarly and scientific open access journal publishing peer-reviewed research papers, review articles, communications and short notes that reflect the breadth and interdisciplinarity of agriculture.

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, 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