

Special Issue

Old Germplasm for New Needs: Managing Crop Genetic Resources

Message from the Guest Editors

The impacts of climate change on crop production are already a reality worldwide. To mitigate these impacts, access to unexploited genetic crop diversity for the production of new varieties that can thrive in more extreme environmental conditions is of prime importance. Herein, genetic diversity should provide raw material for breeding and plant improvement. However, much of the germplasm richness found in gene banks is poorly documented. To overcome the barriers between germplasm conservation and use, a complete evaluation is necessary to find out the useful diversity they contain. This Special Issue will focus on “Old Germplasm for New Needs: Managing Crop Genetic Resources”. We welcome novel research, reviews, and opinion pieces covering all related topics including germplasm evaluation, crop genetics and improvement, novel crops, phenotyping, physiological responses of inbred lines, management solutions, modeling, case studies from the field, and policy positions.

Guest Editors

Dr. Gregorio Barba-Espín

Centro de Edafología y Biología Aplicada del Segura, CSIC, Grupo de Biotecnología de Frutales, Departamento de Mejora Vegetal, E-30100 Murcia, Spain

Dr. José Ramón Acosta Motos

1. Plant Biotechnology for Food and Agriculture Group (BioVegA2), Universidad Católica San Antonio de Murcia, Avenida de los Jerónimos 135, 30107 Murcia, Spain

2. Plant Biotechnology, Agriculture and Climate Resilience Group, UCAM-CEBAS-CSIC, Associated Unit to CSIC by CEBAS-CSIC, 30100 Murcia, Spain

Deadline for manuscript submissions

closed (1 November 2021)



Agronomy

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 6.7



mdpi.com/si/40661

Agronomy
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
agronomy@mdpi.com

[mdpi.com/journal/
agronomy](https://mdpi.com/journal/agronomy)





Agronomy

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 6.7



[mdpi.com/journal/
agronomy](https://mdpi.com/journal/agronomy)



About the Journal

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.

Editor-in-Chief

Prof. Dr. Leslie A. Weston

Gulbali Centre for Agriculture, Water and Environment Research,
Charles Sturt University, Wagga Wagga, NSW 2678, Australia

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)