



Crop Genetic Adaptation to Changing Climate Conditions

Guest Editor:

Prof. Dr. Enrico Porceddu

Department of Cultural Heritage
Sciences, Tuscia University,
01100 Viterbo, Italy

Deadline for manuscript
submissions:

closed (31 March 2020)

Message from the Guest Editor

Dear colleagues,

Climate change constitutes a pressing problem for agricultural production: Crop plants will be required to perform under new abiotic and biotic stress conditions. Breeders will need to acquire a better understanding of the crop plant genetic diversity and adaptability present in the cultivated material and its wild progenitors.

Research has generated considerable knowledge about the content and nature of genetic diversity present in germplasm. However, genetic assessments have revealed that estimates can be inconsistent with the perception that modern breeding reduces crop genetic diversity: intensive selection programs and narrow range of genetic resources utilized have reduced genetic diversity in almost all crops.

This discrepancy can be ascribed to different factors, but it indicates that there is a need for a better understanding of crop genetic diversity and adaptability and utilize the same to mitigate effects of climate change.

The special issue dedicated to "Crop genetic adaptation to changing climate conditions" attempts to review this topic and stimulate discussion and ideas for future research.

Prof. Dr. Enrico Porceddu
Guest Editor





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Peter Langridge

School of Agriculture, Food and
Wine, University of Adelaide,
Urrbrae, SA 5064, 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), PubAg, AGRIS, and other databases.

Journal Rank: JCR - Q1 (*Agronomy*) / CiteScore - Q1 (*Agronomy and Crop Science*)

Contact Us

Agronomy Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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

mdpi.com/journal/agronomy
agronomy@mdpi.com
[X@Agronomy_Mdpi](https://twitter.com/Agronomy_Mdpi)