

Special Issue

The Genetic Improvement of Barley

Message from the Guest Editors

A recent climate model predicts that global climate change is expected to increase the frequency and severity of extreme weather events in many regions worldwide, resulting in substantial crop yield losses and jeopardizing food security. A key step in resolving this problem is to breed crops that carry diverse resistance genes. Barley (*Hordeum vulgare* L.) is mainly used in feed, malt production, and food and has genes that allow wide environmental adaptability and stress resistance. This Special Issue of *Plants* will focus on the exploration of valuable genetic diversity, the identification of functional genes with potential significance, and genome-scale breeding technologies in barley.

Guest Editors

Dr. Feifei Wang

Key Laboratory of Plant Functional Genomics of the Ministry of Education, Agricultural College of Yangzhou University, Yangzhou 225009, China

Dr. Sripada Udupa

International Center for Agriculture Research in Dry Areas (ICARDA), Rue Hafiane Chekaoui, P.O. Box 6299, Rabat 10000, Morocco

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

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Plants is an open access journal which provides an advanced forum for research findings in areas related to plant function, its physiology, biology, taxonomy, stresses, and its interactions with other organisms. It publishes original research articles, reviews, reports, conference proceedings (peer reviewed full articles) and communications. In original research papers, it is important that full experimental details are provided. We also encourage timely reviews and commentaries on topics of interest to the plant research community.

Editor-in-Chief

Prof. Dr. Dilantha Fernando
Department of Plant Science, University of Manitoba, Winnipeg, MB
R3T 2N2, Canada

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