



plants



an Open Access Journal by MDPI

Advances in Cereal Crops Breeding II

Guest Editor:

Prof. Dr. Igor G. Loskutov

Department of Genetic Resources of Oat, Barley, Rye, N. I. Vavilov Institute of Plant Genetic Resources (VIR), 190000 St. Petersburg, Russia

Deadline for manuscript submissions:

closed (20 August 2022)

Message from the Guest Editor

Cereals are the main food and feed crops on our planet: wheat, rice, and corn occupy three-quarters of the total acreage. The vast majority of plant breeders and plant geneticists in the world are engaged in cereals breeding. The breeding methods are chosen on the basis of the biology of the crop (self-pollinating or cross-pollinating), the level of development of genetic research for a particular crop, and the country where the breeding is carried out. The history of crop breeding is long, beginning at the dawn of human civilization with the agricultural revolution and the creation of primitive landraces, continuing with the discovery of the genetic laws of G. Mendel and the creation of the first primitive (obsolete) breeding varieties of plants at the beginning of the twentieth century, and then further progressing with the development of genetics yielding heterotic hybrids as well as physical and chemical crop mutants. .



mdpi.com/si/109371

Special Issue



an Open Access Journal by MDPI

Editor-in-Chief

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

Message from the Editor-in-Chief

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.

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), PubMed, PMC, PubAg, AGRIS, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q1 (Plant Sciences) / CiteScore - Q1 (Ecology, Evolution, Behavior and Systematics)

Contact Us

Plants Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/plants
plants@mdpi.com
[X@Plants_MDPI](https://twitter.com/Plants_MDPI)