



Cereal Genetics, Breeding and Wide Crossing

Guest Editors:

Dr. Katarzyna Juzon

Franciszek Górski Institute of
Plant Physiology of the Polish
Academy of Sciences,
Department of Biotechnology,
30-239 Krakow, Poland

k.juzon@ifr-pan.edu.pl

Dr. Ilona Czyczyło-Mysza

Franciszek Górski Institute of
Plant Physiology of the Polish
Academy of Sciences,
Department of Biotechnology,
30-239 Krakow, Poland

i.czyczylo@ifr-pan.edu.pl

Dr. Marzena Warchol

Franciszek Górski Institute of
Plant Physiology of the Polish
Academy of Sciences,
Department of Biotechnology,
30-239 Krakow, Poland

m.warchol@ifr-pan.edu.pl

Message from the Guest Editors

Dear Colleagues,

Since the beginnings of agriculture, cereals have provided the main source of calories for humankind. The main challenges for cereal breeders and geneticists are related to facing forceful environmental threats. Breeding new cereal varieties with desirable agronomic, quality, and (a)biotic traits is one of the most crucial strategies for increasing yield to ensure worldwide food security and social stability. Improvement in these traits requires an understanding of plant biology and genetics. Thanks to constantly developed biotechnological methods, both traditional and innovative molecular genetics, it is possible to expand the breeding possibilities. The advancement of molecular biology and genomics has broken down many breeding barriers so far; however, other methods as genome editing are still being ameliorated.

Therefore, we would like to invite you to participate in our Special Issue in Agriculture which will disseminate recent research devoted to molecular, genetics, and breeding techniques intended to further improve cereal crops.

Deadline for manuscript
submissions:

25 September 2022



mdpi.com/si/111868

Special Issue



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, crossdisciplinary and scholarly open access journal on the science and technology of crop and animal production, and management of the natural resource base for agricultural production. *Agriculture* is published in an open access format – research articles, reviews and other contents are released on the internet immediately after acceptance. The scientific community and the public have unlimited and free access to the content as soon as it is published.

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, RePEc, and many other databases.

Journal Rank: JCR - Q1 (*Agronomy*) / CiteScore - Q2 (*Agronomy and Crop Science*)

Contact Us

Agriculture
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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

mdpi.com/journal/agriculture
agriculture@mdpi.com
@AgricultureMdpi