



plants



an Open Access Journal by MDPI

Cereal Breeding: Improving Seed Vigour Traits and Grain Quality

Guest Editors:

Dr. Alberto Gianinetti

Council for Agricultural Research
and Economics (CREA)—
Research Centre for Genomics
and Bioinformatics, Via S.
Protaso 302, 29017 Fiorenzuola
d'Arda, PC, Italy

Dr. Chiara Biselli

Council for Agricultural Research
and Economics—Research
Centre for Viticulture and
Enology, Viale Santa Margherita
80, 52100 Arezzo, Italy

Deadline for manuscript
submissions:

closed (31 January 2020)

Message from the Guest Editors

Cereals represent the primary source of nourishment for mankind and livestock worldwide and, consequently, have been subjected to intense and prolonged selection since the rise of civilization. The diversification of purposes in the use of cereal kernels makes breeding, in many ways, a specialized task, though the obtainment of healthy seeds with a good harvest index is a general goal of every cereal breeding programme.

Manuscripts regarding the improvement of seed germinative vigour, grain composition, or both are welcome in this Special Issue. Themes of interest include breeding and pre-breeding for seed vigour and quality, domestication, identification of loci for useful grain traits and analysis of the genetic bases of seed vigour.



mdpi.com/si/24030

Special Issue



plants



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 (*Plant Science*)

Contact Us

Plants Editorial Office
MDPI, St. Alban-Anlage 66
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)