

Special Issue

Cereal Breeding: Improving Seed Vigour Traits and Grain Quality

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.

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)



Plants

an Open Access Journal
by MDPI

Impact Factor 4.1
CiteScore 7.6
Indexed in PubMed



mdpi.com/si/24030

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

[mdpi.com/journal/
plants](https://mdpi.com/journal/plants)





Plants

an Open Access Journal
by MDPI

Impact Factor 4.1
CiteScore 7.6
Indexed in PubMed



[mdpi.com/journal/
plants](https://mdpi.com/journal/plants)



About the Journal

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.

Editor-in-Chief

Prof. Dr. Dilantha Fernando

Department of Plant Science, University of Manitoba, Winnipeg, MB
R3T 2N2, Canada

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)