

Special Issue

Cereals Genetic Resources and Improvement

Message from the Guest Editors

Nearly half of the genetic gain under farmers' fields has been estimated to be due to changes in the genetic makeup of crops through breeding, which depends on the availability of good germplasm, access to modern breeding tools, the selection intensity, trait complexity (heritability), and generation interval (number of cycles completed per year). This Special Issue will feature original research articles, literature reviews, and opinion papers on topics including but not limited to: (1) germplasm characterization and subsetting (core and mini-cores) using high-density molecular markers and next-generation sequencing technologies; (2) development and implementation of genotyping quality control and quality assurance; (3) gene and QTL discovery, fine mapping, and validation in bi-parental populations and genome-wide association mapping panels; (4) pre-breeding (germplasm enhancement); (5) developing improved germplasm using modern breeding methods; (6) estimating genetic gains.

Guest Editors

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Deadline for manuscript submissions

closed (25 April 2022)



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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, and 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

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