

Special Issue

Bioinformatics Applied to Genetic Improvement of Crop Species

Message from the Guest Editor

It is well known to you all that the huge amount of “omics” data points available is demanding and challenging in its analysis, management, and accessibility. Bioinformatics plays a key role in data mining and knowledge discovery and has the potential, together with the most recent and breakthrough technologies, to accelerate crop improvement in a scenario of increasing climate changes. Major advances in sequencing technologies and bioinformatics have allowed a huge leap forward in the ability to explore the “sequence space” in order to identify useful/superior alleles and haplotypes to be used in breeding programs as well as in the discovery of significant associations between genetic markers and important agronomic traits. In this Special Issue, we would like to consider submissions of high-quality original research or review (Mini Review) articles on topics that remark on the crucial role of bioinformatics in the analysis and interpretation of data and in the application of the acquired knowledge to develop novel cultivars and expedite the rate of genetic gains. Submissions should be in line with the journal's scope.

Guest Editor

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Deadline for manuscript submissions

closed (15 March 2020)



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Message from the Editor-in-Chief

Agronomy draws together researchers from diverse areas of agricultural research with a common aim of enhancing agricultural productivity globally. The journal provides unlimited free access to all those interested in advancing agricultural science from both the research and general community. Papers are released immediately after acceptance through the internet.

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