Special Issue

Genomics-Assisted Improvement of Quinoa

Message from the Guest Editors

Quinoa is a nutritious pseudocereal crop native to the Andean region of South America. It has recently grown in popularity as a niche health food in developed countries but also shows promise in helping to address food security concerns in developing countries, leading to increased interest in producing quinoa in new and diverse locations throughout the world. However, quinoa is not well adapted to many of the biotic and abiotic conditions encountered outside its native areas of cultivation. The availability of genome sequences for both highland and coastal quinoa accessions now opens the door for the genomics-assisted improvement of important agronomic traits in quinoa. This Special Issue of *Plants* will highlight efforts to use genomics resources and techniques to characterize existing genetic resources in quinoa, to develop new genetic and genomic resources, and to identify the genes underlying agronomic traits, all with the aim of improving quinoa production in its native region and in new locations throughout the world.

Guest Editors

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Prof. Dr. Peter J. Maughan

Prof. Dr. Rick Jellen

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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, 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.

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