Special Issue

Germplasm Repository, Evaluation and Genetic Improvement of Fruit Trees II

Message from the Guest Editor

Germplasm repositories primarily provide the raw material for plant breeding and crop improvement programs. Hundreds of living germplasm collections of fruit tree crops across the world have played an incredible role in fruit tree breeding and enabled many newly improved cultivars available to the global fruit industry. Germplasm repositories for fruit trees are uniquely constructed as clonal living collections preserved in orchards, vineyards and plantations, nurseries, etc. They include diverse valuable resources such as current commercial cultivars, traditional cultivars, landraces, breeding materials, elite selections and wild relatives. In addition to the preservation and maintenance of well-documented and managed living collections, living fruit tree collections are not only used by fruit breeders; other biologists may have different interests and possibly different requirements. While fruit breeders focus on the commercial traits of immediate perceived value, other biologists may be more interested in studies to better understand the properties and behavior of the plant, as well as its domestication history or evolutionary phylogeny, especially at the genomic level.

Guest Editor

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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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