Special Issue

Genomics of New Potential Food Sources

Message from the Guest Editor

Although the total number of edible plants in the world is huge, only a relatively small number of these comprise all the major commercial food crops. From an ecological perspective, there is relatively little diversity in large-scale commercial farming. In light of the ongoing rapid climate change, improving the robustness of our food supply is critical. This will undoubtedly involve continued improvements or adaptations of major food plants, but it would also be wise to increase the diversity of our food supply by adding additional edible plants at a large economic scale. Traditional breeding to improve the domestication traits of wild plants, even those that are already edible, is typically very slow, requiring hundreds of generations. Genomics offers the potential to greatly reduce these timelines. We recognize that some plants may already be important food sources in parts of the world where they are not major commercial products; studies of such plants are also welcome. The emphasis should be on improving their potential as new or more important food sources, to supplement the current major commercial crops.

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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