

Special Issue

Genetics and Breeding of Cultivated Potato (*Solanum tuberosum* L.)

Message from the Guest Editors

Cultivated potato (*Solanum tuberosum* L.), the fourth largest food crop, occupies an increasingly more important place in world food security. However, as an autotetraploid, cultivated potato has genetics of tetrasomic inheritance, making genetic analysis in the crop much more challenging than in any other traditional grain crops such as rice, maize, and wheat; thus, breeding progress achieved in the tetraploid potato is far more difficult to improve than that in diploid crops. Research in the tetraploid plant lags unusually behind that in diploid crops. This Special Issue is designed to publish original omics and/or phenotype data, any novel theoretical/empirical studies, novel experimental protocols or techniques, which have a significant impact on genetics of complex quantitative traits and crop breeding in tetraploid potato (*Solanum tuberosum* L.). We will also consider any thorough review of newly launched or ongoing national and international consortium projects of potato breeding programs, cases of successfully bred potato cultivars, and characterization of newly discovered potato germplasms.

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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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