

Special Issue

Recent Advances in Genomics and Genetics of Fruit Trees

Message from the Guest Editor

A recent estimate suggests that the world population will reach 9 billion or more by 2050, requiring a 70% increase or at least a doubling in food production. In addition, climate change is threatening to push the number of hungry even higher in the decades to come. Genetic diversity and plant breeding are key elements in tackling climate change. Advances in NGS technologies are providing the genetic basis of fruit tree species and allowing for the development of new strategies in breeding; still, more research is required on these species to maximize crop productivity. For this Special Issue, we are interested in hearing your success stories from research in the genetics and genomics of fruit trees around the world. Submissions on the following (non-exclusive) topics are invited: (1) Discovery of genome-wide diversity through novel “omic” approaches; (2) Development of high-throughput genotyping tools; (3) Molecular dissection of complex traits; (4) Understanding of the G×E relationship, genotype by environment, to develop better statistical methods; (5) Production of easy-to-use data management and analytical protocols for routine applications.

Guest Editor

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Editor-in-Chief

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