

## Special Issue

# Molecular Genetic Studies in Potato Breeding

### Message from the Guest Editors

Potato is most important non-cereal food crop. Traditional potato breeding is complicated by autotetraploidy, a high level of heterozygosity, tetrasomic inheritance, sterility of many forms, and inbred depression. Molecular breeding studies integrate the results of molecular genetic and genomic research and translate them into practical breeding programs. The information generated from molecular markers and QTL loci, genomes and pangenomes, variety-specific SNPs, and transcriptome profiling significantly facilitates breeding research in potato. The objectives of the proposed Issue are to review advances in the application of molecular data in breeding, and to present recent research in potato molecular genetics. Particular attention will be given to the opportunities of using molecular approaches to address the current challenges in potato breeding.

### Guest Editors

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### Deadline for manuscript submissions

closed (30 April 2022)



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