Special Issue

Application of Molecular Marker Technology in Crop Breeding—2nd Edition

Message from the Guest Editor

The application of molecular markers in crop improvement first started in the 1980s. Initially, it was in the form of hybridization-based molecular markers, which were relatively less popular. As soon as PCR-based molecular markers became available, however, they became widely and easily applicable in several crop plants. Since then, several plant breeding programs have optimized the use of molecular markers associated with various traits, including disease resistance, quality, and abiotic stress tolerance. With the availability of genome sequences and SNP markers developed from the use of those sequences, high-density molecular linkage maps can be developed, and molecular markers associated with the traits of interest can be identified more precisely.

In the proposed Special Issue of Agronomy, we encourage researchers from around the world to publish their groundbreaking work in these areas of QTL mapping and marker analysis in various plant systems in this Special Issue of Agronomy. Papers directly associated with crop plants of economic importance will be given more priority.

Guest Editor

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