Special Issue

Genomics, Molecular, Genetics and Diversity of Vegetable Disease Resistance

Message from the Guest Editors

Disease management for vegetable crops is highly dependent on spraying pesticides, a costly and non-environmentally friendly measure. Resistance breeding, on the other hand, helps to control vegetable disease in a cost-effective and eco-friendly way. Nowadays, many new technologies developed to elucidate the mechanisms underlying disease resistance in plants have become available, including reference genomes, omics technics and modern phenotyping. However, these new tools are not widely used in vegetables. This Special Issue aims to collect original research papers, reviews and methods on the following themes:
Identification and characterization of resistance or resistance-related genes in vegetable crops;
Whole-genome analyses for disease resistance gene/protein structures, evolution;
Vegetable crop resistance breeding using biotechnological techniques;
Vegetable crop-microbe interactions;
The immune signaling of vegetable crops;
The hormone response of vegetable crops upon pathogen infection;
Identification and characterization of susceptibility genes of vegetable crops;

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Message from the Editor-in-Chief

Horticultural plants and their products provide sustenance, health, and beauty. A confluence of factors is putting increasing pressure on horticultural production to evolve, and innovative research is addressing these challenges. *Horticulturae* provides a venue to communicate research results in a rapid manner with open access, allowing everyone the opportunity to stay abreast of leading research addressing horticulture. I invite you to consider publishing the results of your research in this high quality, peer-reviewed journal.

Editor-in-Chief

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