

Special Issue

Molecular Mechanism and Breeding of Abiotic and Biotic Stress Tolerance in Crops

Message from the Guest Editor

Crop production is significantly affected by both abiotic and biotic stresses, resulting in crop losses that affect global food security. The development of novel crop varieties that enable growers and farmers to mitigate the negative effects of abiotic factors, including drought, heat, salinity, and other factors, is required. In addition, harnessing the tolerance of crops to biotic stress, including diseases, pests, and pathogens, is crucial in enhancing crop production. A better understanding of the genetic mechanism that underlies the tolerance of crops to abiotic and biotic stress is required to accelerate the development of new crop varieties. The genetic mechanisms utilized to respond to these stresses can be employed to develop molecular markers that accelerate the breeding and improvement of existing germplasm and to create novel varieties.

Guest Editor

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