

Special Issue

Disease Resistance Trade-offs in Crop Breeding for Disease Resistance

Message from the Guest Editor

Our major food crops are challenged by highly diverse and quickly-evolving pathogen populations, and history is full of examples of cultivars that have been rendered susceptible by new pathogen races. Some disease resistances comes with a cost of yield penalties, or in some cases increased susceptibility to other diseases. The genomics of host-pathogen interactions is moving fast, and the cloning of host resistance genes provides new insight into the molecular mechanisms of resistance against various groups of plant pathogens. In this Special Issue, we welcome papers that provide new insights into trade-offs between disease resistances, the molecular mechanisms behind resistance to various groups of pathogens, and opinions on how to develop sustainable breeding strategies for long-lasting resistance.

Guest Editor

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