

Special Issue

New Insight into Crops Defense Response

Message from the Guest Editor

Plants frequently live in environments characterized by the presence of stresses. The molecular mechanisms activated by plants in response to abiotic and biotic environmental factors are still important research topics. The importance of plant–insect/plant pathogen interactions has long been known, but they have only recently received any detailed attention and study, which has led to the discovery of novel plant defensive strategies. The farm to fork strategy sets the ambitious target of reducing by 50% the overall use and risk of chemical and other more hazardous pesticides, in addition to reducing the risk connected with an increasing number of outbreaks of new pests and pests that were not previously considered important. This highlights that there is an urgent need for a totally novel, environment-friendly approach to tackle these challenges. The aim of this Special Issue is to examine crops' defense responses based on volatile organic compounds, phenolic acids, plant toxins, phytoecdysteroids etc. All types of scientific paper dealing with this topic are welcomed.

Guest Editor

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