Special Issue

Molecular Mechanism for Abiotic Stress Tolerance in Vegetables

Message from the Guest Editor

Abiotic stress is among the worst outcomes of climate change and represents a major threat to agriculture and concomitantly to food production. Most crops have a narrow margin of tolerance to abiotic stress. We have gained knowledge about the molecular mechanisms involved in plant adaptation, tolerance and resistance to abiotic stress, but most of the advancements in this regard have been made when performing experiments in model plants such as *Arabidopsis thaliana*. At the present moment, many crop genomes are available and we have new biology and molecular biology techniques that enable a deep study of the molecular basis of abiotic stress in crops, as well as the application of knowledge generated in recent years to increasing agronomical yield under adverse environmental conditions and climate change. Additionally, we welcome descriptions of the effect, at the molecular level, of biostimulants or symbiotic microorganisms (mycorrhiza, PGPR...), or of the ability of nanobiotechnology to alleviate abiotic stress.

Guest Editor

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