

Special Issue

Prospects of Biostimulants for Improving Crop Resistance

Message from the Guest Editor

Intensive crop production requires constant protection against adverse biological and abiotic factors. Unfortunately, the widespread use of synthetic plant protection agents causes irreversible changes in the environment. In order to reduce the adverse effect of the use of synthetic pesticides, active substances have been gradually withdrawn from use. As a result, interest in biological plant protection agents, which are safer for crops and the natural environment, has increased. The scope of biological plant protection solutions against diseases, pests and abiotic factors includes the following: beneficial organisms, biochemicals, macro and microelements, nanoparticles, amino acids and phytohormone precursors. This Special Issue focuses on the presentation of new biostimulants that improve plant health and describes the mechanisms of action of new or existing solutions for biostimulation of crop resistance. Research on biological biostimulants or non-synthetic chemicals and fertilizers is preferred. Nevertheless, studies on synthetic biostimulants will also be accepted, if the authors confirm their lower environmental impact compared to commercial pesticides.

Guest Editor

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