



Effects of Biostimulants on Plant Production Behavior and Sustainability

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Message from the Guest Editor

The use of biostimulants appears to be a promising strategy to enhance plant growth or protect plants against pathogens and other environmental stresses. Biostimulants are among the natural preparations that improve the general health, vitality, and growth of plants and protect them against infections. They can be successfully used in both agri- and horticultural crops. Fungal and bacterial infections may not only reduce yield but may also lead to the loss of the entire harvest. In accordance with the recommendations of the European Union, chemical and mineral plant protection agents are intended to be slowly replaced by natural preparations. The market requires the development of preparations with a broad spectrum of functionality, which is easily applicable and has the possibility of combination with other agents. Biostimulants make many contributions to making agriculture more sustainable. However, the nature of their positive influence is not fully understood, therefore their mechanisms of action are, in some cases, still a challenge and need to be recognized. For this reason, biostimulants are among the hot topics in agriculture and still require detailed research.





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