

Special Issue

Effects of Biostimulants and Bioeffectors on Plant Growth

Message from the Guest Editor

Biostimulants include organic compounds and microorganisms that are applied to plants or soils to improve crop yield, quality, vigour, and tolerance to insects, diseases, weeds, or abiotic stresses. Thus, these unique bioactive compounds eventually contribute to the robustness of soil and plants, whilst enhancing productivity even in harsh environmental conditions and despite climate change. Bioeffectors are active naturally occurring compounds or viable microorganisms which directly or indirectly affect plant performance and thus have the potential to reduce fertilizer and agrochemicals use in crop production. Allelopathy and allelochemicals are related concepts according to which bioactive substances produced by plants (and some other organisms) influence the germination, growth, survival, and reproduction of other organisms. This Special Issue will focus on the effects of biostimulants and bioeffectors on plant growth. Novel research, reviews, and opinion articles on the basic principles of biostimulants and bioeffectors function, from the chemical level to the field level, toward their effective use in future agriculture are welcome.

Guest Editor

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