



Effects of Plant Biostimulant on Plant Growth and Physiology

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Deadline for manuscript
submissions:

closed (10 December 2022)

Message from the Guest Editors

Dear Colleagues,

Through the enhancement of crop stress tolerance and nutrient uptake and assimilation, plant biostimulants can enhance phenotypic traits and yield. A plant biostimulant is usually applied at the foliar level or at the root of a plant to enhance growth, photosynthetic efficiency, leaf number and area, and shoot and root biomass, in addition to fruit number and/or average weight, particularly under adverse conditions. Environmental stresses act on plant physiological activity, making crops more prone to physiological disorders. Accurately predicting photosynthesis is the first step toward predicting crop growth, yield, and quality in response to environmental changes. Several interacting factors, such as plant growth conditions, plant genotype, time of application, and dosage, can modulate biostimulant activities.

This Special Issue will focus on the effects of plant biostimulants on plant growth and physiology. Novel research, reviews, and technical articles on the function of plant biostimulants, from controlled environmental conditions to the field, with a view toward investigating their effective use in future agriculture, are welcome.





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Message from the Editor-in-Chief

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