Special Issue

Effects of Plant Biostimulant on Plant Growth and Physiology

Message from the Guest Editors

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.

Guest Editors

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Message from the Editor-in-Chief

Plants is an open access journal which provides an advanced forum for research findings in areas related to plant function, its physiology, biology, taxonomy, stresses, and its interactions with other organisms. It publishes original research articles, reviews, reports, conference proceedings (peer reviewed full articles) and communications. In original research papers, it is important that full experimental details are provided. We also encourage timely reviews and commentaries on topics of interest to the plant research community.

Editor-in-Chief

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