

Special Issue

Effects of Nanoparticles on Plant Growth and Development under Biotic and Abiotic Stress

Message from the Guest Editors

Different technologies are used to reduce the effects on agricultural crops caused by biotic and abiotic stresses. Recently, nanotechnology has attracted much attention and has been used to combat stress in plants and reduce negative effects on agricultural production, avoiding large economic losses. Various nanoparticles and nanomaterials have been used, and positive and negative biological effects have been found.

Nanotechnology is an important tool for sustainable crop production, reducing nutrient loss, suppressing disease by pathogens and thus improving yields. The idea of using nanotechnology for the sustainable production of safe food is explored from a number of perspectives, including those related to the toxicity of food and the environment. This special issue includes articles related to the use of nanoparticles and nanomaterials to combat biotic and abiotic stress in crop production.

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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