



Nanotechnology-Driven Agricultural Innovations

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Message from the Guest Editor

Nanotechnology, also shortened to nanotech, is the use of matter on an atomic, molecular, and supramolecular scale for industrial purposes. Today, sustainable agriculture is needed. Nanochemicals have emerged as promising agents for plant growth, fertilizers, and pesticides. In recent years, the use of nanomaterials has been considered as an alternative solution for controlling plant pests, including insects, fungi, and weeds. Nanotechnology also may act as sensors for monitoring the soil quality of agricultural field, and thus maintain the health of agricultural plants. Additionally, the application of nanofertilizers in water and waste treatment is also feasible.

In conclusion, nanotechnology has made great progress in agriculture over the past few decades. The discovery of new concepts of how to protect our fields, crops, plants and fruits and how to maximize their growth at a higher level is ongoing, which is driving innovations in the field of agriculture.

Original research articles and review articles that address “Nanotechnology-Driven Agricultural Innovations” are welcome.





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Message from the Editor-in-Chief

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