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# **Interaction between Nanoparticles and Plants**

Guest Editor:

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closed (30 September 2021)

## Message from the Guest Editor

Dear Colleagues,

Nanotechnology is an innovative and a promising field of studies that is developing at a rapid speed today. The rapidly developing commercial and industrial usage of nanotechnology leads to increased emission of nanoparticles into the environment and inevitably to different effects on living organisms, including plants. Our knowledge of the influence of nanoparticles (NPs) on plants' development is relatively small, despite the various literature reports on the interaction of nanoparticles with plants. Therefore, this Special Issue aims to study the impact of nanoparticles at various levels of plant life (e.g., structural, ultrastructural, physiological, biochemical, molecular).

Topics for this Special Issue include but are not limited to the following:

- Nanoparticles and plant growth, physiology and biochemistry on the cell, tissue and organ level;
- Mechanisms and routes of entry of nanoparticles to the plants;
- Movement of nanoparticles within the plant on the cell, tissue, and organ level;
- Nanotoxicology;
- Green synthesis;
- Nanoparticles and plant–pathogen interaction.











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## **Editor-in-Chief**

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# **Message from the Editor-in-Chief**

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network

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