



Cutting Edge Research of Nanoparticles Application in Agriculture

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Message from the Guest Editor

Dear Colleagues,

To meet the increasing demand for agricultural products due to an increasing population, it is important to increase agricultural production. The application of nanotechnologies for agricultural applications has the potential to improve the agricultural sector and improve crop productivity and food security.

The application of nanomaterials in agriculture opens up various possibilities for the exploration of nanomaterials to improve growth, yield, biotic/abiotic and xenobiotic stresses and the detection of crop/soil interactions. The application of nano-sensors to monitor signaling pathways and the detection of crop/soil diseases is another promising area.

For this Special Issue, we invite original research articles and review papers on applications of nanotechnology that address problems and challenges in agriculture, promoting in-depth knowledge and cutting-edge research activities.

Dr. Prakash M Gopalakrishnan Nair
Guest Editor





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Message from the Editor-in-Chief

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