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The Impact of Nanomaterials on Plant Growth, Development and Metabolism (Volume II)

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Message from the Guest Editor

Nanotechnology involves the study and manipulation of materials at length scales below 100 nm. Nanomaterials (NMs) are widely used in agricultural, biomedical, and industrial fields due to their unique physicochemical properties. We are in the midst of an uncontrollable nano-boom that has brought about a wealth of positive changes. However, this technology gives rise to a persistent form of pollution that is too small to detect or contain easily. NMs can enter the environment via the air, soil, and water. The external environment often influences the development of plants. NMs in the natural environment may enter plant tissues and affect plant growth. The interactions between NMs and plants are yet to be fully understood. Thus, it is essential that we develop an understanding of the physiological, biochemical, and molecular mechanisms of NMs in plants. This Special Issue welcomes original research or review articles focused on the impacts of NMs on seed germination, plant biomass, genetic modification, protection and yield, and the production of bioactive compounds.



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Special Issue



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Message from the Editor-in-Chief

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