

Title The role of nanotechnology in postharvest management of horticultural crops

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Abstract

Horticulture science has been defined as science and art of cultivating and handling of fruits, vegetables, flowers and ornamental plants. Human Population increasing to speed now so Sufficient and health food secure is a very important problem in near future. Now, increasing production efficiency and decreasing post harvest wastage with using novel scientific researches such as Biotechnology and Nanotechnology in products, could be counted as the best solution to this problem. A Nanometer equivalent to 0.000000001 meter and structures with 1 to 100 nanometer dimention named Nano_particle. Nanotechnology using of particular characteristics of Nano_ particles can be a very useful technology in all science and industry branches. So now a lot of usage of nanotechnology in agricultures science founded. In relation with extension of Horticultural products shelf life, nanotechnology can help us in some ground. A: introducing a new generation of packaging coverage's (Films) and the Polishes ability to control influence of gases and the harmful rays (UV). B: The increase in strength, quality and packaging beauty. C: control growth and development of microorganisms D: using the multiple chips (Nanobiosensors) for labeling products that considered fundamental step to automated control of storages.