

## ACTA SCIENTIFIC PHARMACOLOGY

## Review Article

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## Application of Nanotechnology Towards Improved Nutraceuticals, Pharmaceuticals and Theranostics: An Overview

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## Abstract

Nanotechnology is an emerging field which has provided long lasting solutions to many areas of human health e.g., such as food, nutrition, medicine etc. To meet the increasing demand for more value-added food and pharmaceutical substances, nutritionists, scientists and researchers have turned to nanotechnology and other similar technologies to provide better solutions to persistent problems in these fields. These include efficient targeted drug delivery systems for pharmaceutical compounds and bioavailability of the nutritional compounds in food substances, etc. Already quite a few efficacious and improved nanotechnology-based pharma and dietary products are available in the market, enhancing significantly the satisfaction of the customers and manufacturers alike. This particular review deals specifically with the applications of nanotechnology towards better nutraceuticals, therapeutics, especially drug delivery systems for pharmaceutical molecules and theranostics, combining both diagnostics and therapy.

**Keywords:** Nanotechnology; Nanoparticles; Nutraceuticals; Theranostics; Nanoencapsulation

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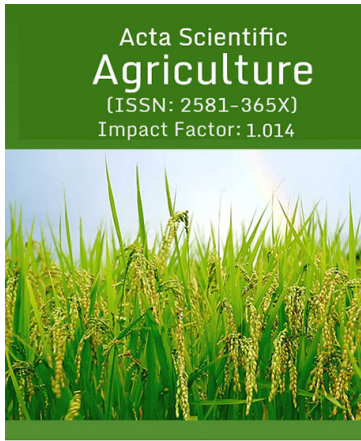
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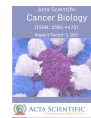
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