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*Commentary*

## Short note on food nanotechnology

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### Abstract

This chapter deals with the utilization of the nanoscale within the production of food and packaging still as medical instrumentation and materials. On the nanoscale, materials behave otherwise from their macroscale counterparts. Within the case of food and packaging, this can be particularly vital as a result of nanoscale materials could have undesirable effects on human health. The utilization of the nanoscale in medical merchandise, like medicines and hospital instrumentation, may have an effect on human health.

### DESCRIPTION

Nanotechnology could be a space evolving field that has provided new avenues to extend the agricultural productivity in an exceedingly property manner. Within the previous few years, the speedy advancement created within the nano-enabled devices has increased the standard of food merchandise, and additionally motor-assisted in reducing the economic losses occurring once a year because of tormentor and pathogens Wilson, et al. (2021). To realize the agricultural property, the nanobiotechnology-enabled agricultural system deploys minimum agricultural inputs for optimum food production still as reduced the agricultural wastages before its reach to client level. For novel problems like food engineering, media will play a vital role in shaping the attention and mental associations that underlie popular opinion Andleeb, et al. (2021). Seeking to enrich recent analysis exploring popular opinion formation regarding food engineering, this study tracks the evolution of U.S. Newspaper coverage of food engineering, characteristic the descriptive and thematic traits that have characterised this coverage over time Anthony, et al. (2011). There has been a growing interest within the use of magnetic fields in biosensing applications. As a result of biological samples don't have any magnetism property and thus there's no interference with complicated sample matrix, detection of infectious agents from minimally processed samples is feasible. Here, we offer a quick summary of the recent emergence of nanotechnology-based techniques for the detection and

watching of foodborne diseases. Nanofood fortification features a big selection of benefits within the protection of phytochemicals by victimization associate degree encapsulation technique and a few of the micronutrients that are degraded apace or not properly absorbed by the body may be power-assisted victimization food fortification within the nano scale. Phytochemicals and micronutrients are essential permanently health. Food packaging has gained momentum in analysis and exploitation, in keeping with substantial growth of world food demand. Food packaging should perform its role in retentive food quality and safety, extending shelf-life whereas having the smallest amount negative impact to the atmosphere, or maybe higher being environmental friendly. The nice development of the food business within the previous few years and also the increase of the world food trade have highlighted the importance of developing reliable safety assessment and also the institution of strict directivRes so as to assure its correct performance and also the security of shoppers.

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