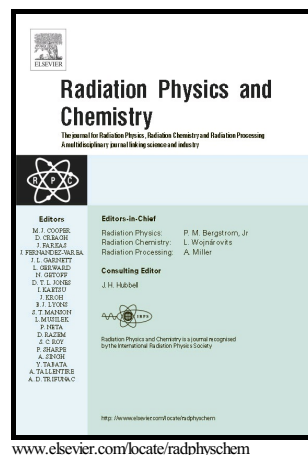


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High-Dose Irradiated Food: Current progress, applications, and prospects

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Abstract

Food irradiation as an established and mature technology has gained more attention in the food industry for ensuring food safety and quality. Primarily used for phytosanitary applications, its use has been expanded for developing various food products for varied purposes (e.g. ready-to-eat & ready-to-cook foods, hospital diets, etc.). This paper summarized and analyzed the recent progress and application of high-dose irradiation and discussed its prospects in the field of food product development, its safety and quality.

Keywords: high-dose irradiated food, food irradiation, food safety and quality, ionizing irradiation.

Introduction

Food irradiation is a recognized and established food processing technology worldwide. Decades of research studies proved its safety and resulted to its recognition by national and international experts (Ehlermann, 2016). In fact, as early as 1997, the Joint

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