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Intelligent food packaging: Concepts and innovations

Amiri Qandashtani Roya, Mahdian Elham*

Department of Food Science and Technology, Quchan Branch, Islamic Azad University,
Quchan, Iran

Abstract : Intelligent packaging systems are constantly changing to meet the growing challenges of the modern society. This article discusses the following issues: different currently available categories of intelligent packaging concepts, latest packaging research trends and innovations, and the growth perspectives of the intelligent packaging market. Intelligent packaging systems which monitor the condition of the packed food or its environment are in progress towards becoming more cost-effective, convenient and integrated in order to deliver innovative packaging solutions. Furthermore, the intelligent packaging market is promising with strong achievements for time-temperature indicator labels and progresses in intelligent concepts integration into packaging materials.

Keywords: Packaging; Intelligent; Shelf life.

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