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COST Action FP1405

Active and intelligent fibre-based packaging – innovation and market introduction

NEWSLETTER

Volume 3

EDITORIAL

Welcome to the third newsletter of the COST Action FP 1405 on the Active and intelligent fibre-based packaging – innovation and market introduction (ActInPak). In the second year of the COST Action ActInPak the main goal to be addressed was to prepare the exhaustive understanding of current situation in research and development (WG1, WG2, WG3) and to increase awareness about active and intelligent packaging through the whole value chain (WG4). Beside preparing technical and scientific review papers about the state-of-the art in the active and intelligent packaging, updating the virtual showroom on the website, an ActInPak List of definitions was prepared. In the ActInPak List of definitions some terms related to food packaging, bio-materials, active and intelligent packaging are defined.

Many terms are used to describe packaging with new functions, such as smart, active, intelligent, interactive, clever, responsive, diagnostic. Terms are used inconsistently; clear and unequivocal definitions are not yet available. Smart packaging, i.e., a total packaging concept combines the benefits arising from active and intelligent technology. Active packaging can be described as packaging in which subsidiary constituents have been deliberately included in or on either the packaging material or the package headspace to enhance the performance of the package system. Packaging is intended to extend the shelf-life or to maintain or improve the condition of packaged food. It is designed to deliberately incorporate components that would release or absorb substances into or from the packaged food or the environment surrounding the food. The purpose of intelligent packaging is to give indication on, and to monitor the freshness of the food. With its ability to detect, sense and record the changes in the products environment, is an extension of the communication function of traditional packaging.

The List of definitions is available on the website: <http://www.actinpak.eu/resources/actinpak-documents/>

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<http://www.actinpak.eu>

http://www.cost.eu/COST_Actions/fps/Actions/FP1405

<https://www.linkedin.com/groups/COST-FP1405-ActInPak-8254568/about>

COST Action FP1405 ActInPak

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COST Action FP1405 is a good opportunity to build knowledge on active and intelligent packaging.

More information on:
<http://www.actinpak.eu/wp-content/uploads/2017/03/LIST-OF-DEFINITIONS.pdf>