

## Special Issue

**BIODEGRADABLE PLASTICS IN THE HIGH PROCESSED PACKAGING**Joanna Izdebska<sup>1,\*</sup>**AIM AND SCOPE**

Biodegradable plastic seem to be an alternative to traditional one. The lifetime of the products are still reduced, which also entails shorter and shorter life of the packages. Therefore the number of generated waste greatly increases. The amount of biodegradable packaging in the packaging market is still growing rapidly. At present on the market there are various biodegradable materials which characterize different properties and can be used in printed packages area. Currently, the aims of the packages are not only protection and containment, but they are a marketing tool promoting the product. It is allow to achieve for packages which have interesting shape, distinctive graphics, deep colors and resistant to abrasion and deterioration during transport, storage and display, and a high gloss. Therefore, the prints made on packages and their quality have very high importance. Inks used for printing as well the additives changed the properties of plastics cannot have an influence on the packaged products. The aim of this topic area is to showcase the current and future possibilities of using biodegradable plastics in printed packages market, special in the area of the food packages. The reviews and original works in such subjects as: application of biodegradable plastics in packaging, synthesis of new biodegradable plastics, studies under their properties, modification of the surface before the printing and other finishing processes, interaction between ink and substrate, interaction between packaging material and product and other ideas connected with the use of biodegradable plastics in the highly processed packaging are welcome.

**Keywords:** *biodegradable plastics, material science, packages, printing technology, surface modification, synthesis*

**SUBTOPICS**

<b>1</b>	Application of the biodegradable plastic in packaging	<b>4</b>	Influence of the ink on the print quality
<b>2</b>	Modification of the biodegradable plastic materials surface	<b>5</b>	Interaction between the additives inputs from the inks and plastics and the food packed in printed biodegradable material
<b>3</b>	Modeling and synthesis of biodegradable plastic		

**SCHEDULE**

Manuscript submission deadline	<b>July 15, 2014</b>
Peer Review Due	<b>August 15, 2014</b>
Revision Due	<b>September 15, 2014</b>
Notification of acceptance by the Guest Editor	<b>September 30, 2014</b>
Final manuscripts due	<b>October 15, 2014</b>

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