

# BIOPOLYMERS USED IN FOOD PACKAGING: A REVIEW

— review —

**Daniela GABOR (NAIARETTI)<sup>1</sup>, Ovidiu TITA**

*Faculty of Agricultural Sciences, Food Industry and Environmental  
Protection, "Lucian Blaga" University of Sibiu, Romania*

**Abstract:** The aim of this review is to reveal the most relevant biopolymers mentioned in the literature, which are used and have great potential applications in food packaging. Most works that we have investigated classified the biopolymers ranked in three categories namely: biopolymers from renewable sources, chemically synthesized biopolymers and microbial synthesized biopolymers. In this work, the biopolymers are classified according to their general chemical composition.

**Keywords:** biopolymers, food packaging, polysaccharides, proteins, aliphatic polyesters

---

<sup>1</sup> Corresponding author. Mailing address: University "Lucian Blaga" of Sibiu, Faculty of Agricultural Sciences, Food Industry and Environmental Protection, Str. I. Rațiu 7-9, 550012 Sibiu, Romania. Phone: 0040/269/211338. Fax: 0040269212558. E-mail address: [daria2005daria@yahoo.com](mailto:daria2005daria@yahoo.com)