

**Название публикации:**

Influence of different climate conditions on biodegradation kinetics of biocomposites based on low-density polyethylene and vegetable fillers

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**Сведения об издании:**

AIP Conference Proceedings

Volume 1981, 11 July 2018, Номер статьи 020019

9th International Conference on Times of Polymers and Composites: From Aerospace to Nanotechnology; Ischia, Naples; Italy; 17 June 2018 до 21 June 2018; Код 137840

**Аннотация:**

The aim of considered research is to establish the influence of climatic conditions on biodegradation kinetics of biocomposites based on low-density polyethylene and vegetable fillers. It was found out that there was a small difference between the values of weight loss rates obtained from different biodegradation tests for 6 months. The degradation rate in Costa Rica is higher than in Russia. Biodegradation rate in laboratory conditions had the medium value because of the same temperature but lower precipitation than in Costa Rican natural conditions.

**Ключевые слова:**

Biocomposites, biodegradation, biodegradation test in real environmental condition, low-density polyethylene, vegetable fillers