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The importance of a purposeful approach to ensure the biological activity of polymer compositions

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The expansion of the possibilities of reliable use of biologically active polymer compositions in various fields requires the intensification of research in this area. Therefore, research in the field of ensuring the biological activity of polymer compositions, both in the synthesis process and in the field the appropriate modification of the finished polymer, is considered a topical issue.

The study of the composition and properties of biologically active polymer compositions based on the used LDPE defined as the research object is carried out on the basis of comparative analysis, with a purposeful approach. It should be noted that such an approach can be assessed from several angles. The reasons for this will become clear as a result of the analysis of these directions.

One of the mentioned directions can be determining of the purpose and method of ensuring the biological activity of the polymer composition by evaluating the performance of LDPE. It is important to analyze the degree of aging and contamination of the polymer as evaluated indicators of LDPE.

The results of the analysis are used in the study of the biologically active polymer compositions.

Biography

In 2001 Rahima S. Mammadova defended PhD thesis on "Chemistry of high molecular compounds". Currently she is an associate professor in Azerbaijan State Pedagogical University. Results of her investigations are: dynamics of polyethylene samples aging in Azerbaijan's natural climatic conditions; contents of new polymer compositions; new investigation method of the functional groups of aging polymers; method for investigation of the polymer compositions content; generalization of the obtaining methods of polymer compositions and etc. She is the author of more than 90 scientific works and continues research on the thesis of Doctor of Sciences on Chemistry. Her Research Interests: analysis of polymer compositions obtaining methods, research on the content and properties of biologically active polymer compositions and polymer based nano-compositions, new method of active training of chemical knowledge.

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