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**OBTAINATION OF CARBOXYMETHYLCHITOSAN FROM  
INANIMATE BEES AND STUDY OF ITS PROPERTIES BY  
CONDUCTOMETRY, UV-SPECTROSCOPY**

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**ABSTRACT**

*This article presents the preparation of carboxymethylchitosan from a new promising source - dry dead bee chitosan. The issue of rational use of natural resources in Uzbekistan is one of the priorities of state policy. Such a statement of the task imposes tasks on many scientists involved in this object. Our country has a large number of reserves of biopolymers, the expansion of their application and in-depth study of the fundamental is of great scientific and practical importance. The physicochemical properties of carboxymethylchitosan obtained from the extinct apiary *Apis Milliferra*, in particular the degree of deacetylation, were studied by conductometric analysis and UV spectroscopy. In the study, for the first time on the basis of chitosan obtained from inanimate bees of local raw materials, its product carboxymethylchitosan was synthesized and its properties were studied.*

**KEYWORDS:** *Dead Bee, Chitin, Chitosan, Carboxymethylchitosan, Conductometry, Biopolymer, Cellulose, UV Spectroscopy, Monochloroacetic Acid.*

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