

## **Development of Technologies for Biotransformation of Aquatic Biological Resources for the Production of Functional, Specialized, Therapeutic, Preventive, and Microbiological Products**

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**Abstract :** An improved method of obtaining enzymatic collagen hydrolysate from the tissues of marine hydrobionts is proposed, which allows to obtain hydrolysate without pre-isolation of pure collagen. The method can be used to isolate enzymatic collagen hydrolysate from the waste of industrial processing of Red King crab and non-traditional objects - marine holothurians. Comparative analysis of collagen hydrolysates has shown the possibility of their use in a number of nutrient media, but this requires additional optimization of their composition and biological tests on wide sets of test strains of microorganisms.

**Keywords :** collagen hydrolysate, marine hydrobionts, red king crab, marine holothurians, enzymes, exclusive HPLC

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