ANALYTICAL REVIEW OF PROGRESSIVE DRYING PROCESSES FOR HYDROBIONTS

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This article is devoted to the questions of the advanced process for drying hydrobionts. The analysis of theoretical researches concerning different methods of drying hydrobionts is presented. Specific features of technological and physical-chemical properties of hydrobionts during drying in a fixed layer, and the influence of temperature regimes on qualitative indicators of a dried product are considered.

The prospective of applying the method of vibration for drying hydrobionts at the use of fluidized layer with oscillation is formulated. The improvement of the process and equipment for drying heat-labile shellfish and algae via the process of drying in a fluidizing layer with the vibration will allow intensify the drying process, increase the yield of the dried products and improves quality characteristics of the end product.

Keywords: hydrobionts, process, drying, fluidization, layer, oscillation, vibration.