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**ENERGY-SAVING  
HEAT  
TECHNOLOGIES  
FOR  
OBTAINING SOY  
BASED  
PLANT  
POWDERS**

NATIONAL ACADEMY OF SCIENCES OF UKRAINE  
INSTITUTE OF ENGINEERING THERMOPHYSICS

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*PROJECT  
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IN A FOREIGN LANGUAGE»*

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The monograph is devoted to solving the problem of energy-saving and development of resource-saving heat technology for processing soybeans and their mixtures with carotene-containing raw materials on functional phytoestrogenic food powders. The paper considers modern research and methods of processing phytoestrogenic raw materials. The study of heat and mass transfer processes during convective drying and the study of thermophysical and physicochemical properties of phytoestrogenic raw materials and its protein-carotene mixtures are presented. Innovative heat technology for the production of phytoestrogenic powders based on soybeans, recommended for use in the pharmaceutical, dairy and food industries, has been developed.

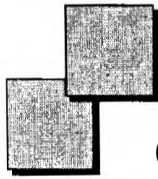
The monograph is intended for employees of the food industry, students of higher educational institutions, masters and graduate students of engineering and technical specialties.

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