

Designing of a New Technology for Reprocessing of Biologically Active Plants with Ultrasound Waves Applied

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While creating new technologies for reprocessing of natural products, including having medical application, application of various physical factors, such as ultrasound waves, is taking into account. Treating with ultrasound waves during extraction eliminates time waste on diffusion processes, being compared with ordinary technologies.

The second important reason in designing of new technology is detailed study of chemical content. Subjects of such study are group content and molecular structure of biologically active and toxic substances, including captured from the environment.

Our approaches in constructing of new technologies for producing medicinal preparations are based on above mentioned principals. Knowing detailed chemical contents it is possible to predict medical properties of products obtained, in some cases purification procedures required to remove unnecessary or toxic impurities from the target product.

It is obvious, expensive pharmacological investigations of new and complex medicinal preparations should be taken after the full chemical study completed.