

The implementation of the continuous transesterification of vegetable oils in supercritical fluid media

© Farid M. Gumerov,¹ Rustem A. Usmanov,¹ Radif R. Gabitov,¹ Shamil A. Biktashev,¹
Farizan R. Gabitov, Rafinat S. Yarullin,² and Ilgizar A. Yakushev²

¹ Department of Theoretical Heat Engineering. Kazan State Technological University.
K. Marx St., 68. Kazan, 420015. Tatarstan Republic. Russia.

Phone: +7 (843) 231-42-11. E-mail: office@kstu.ru

² JSC «Tatneftekhiminvest-holding». Kazan. Tatarstan Republic. Russia.

*Supervising author; †Corresponding author

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Abstract

The results of trans-esterification of rapeseed and palm oils in the environment of supercritical methanol and ethanol in the installation of batch and continuous (flow) modes. The influence of operational parameters of the process and reagent concentration on the value of the conversion has been found out. We gave the reasoning for preparing the emulsion from the initial reagents at the pre-implementation stage of transesterification reaction.