**Full Paper** _____ *Thematic Section:* Physicochemical Research.
*Reference Object Identifier* – ROI: jbc-02/16-47-7-74 *Subsection:* Biochemistry.
Publication is available for discussion in the framework of the on-line Internet conference "*Butlerov readings*".
http://butlerov.com/readings/
Submitted on September 14, 2016.

# Investigation of immobilization effect on pancreatic lipase stability

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***Keywords:*** pancreatic lipase, Mihaelis constant, functional stability, operating stability, stability at storage, thermodynamics parameters.

**Abstract**

Kinetic and thermodynamic characteristics of various forms pancreatic lipase: native, immobilized in 0.5% gels of chitosan and sodium alginate in microcapsules formed from chitosan-calcium-alginate shell, have been determined. The influence of immobilization on the operating, functional stability and storage stability of pancreatic lipase has been investigated. Based on the analysis of the obtained experimental and calculated data revealed that the microencapsulation is the most effective way of immobilization of pancreatic lipase.

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