

Estimation of Minimal Velocity of Fluidisation of Polydisperse Layer of Large-Size Cylindrical Particles by Results of Statistic Analysis of Random Process of Pressure Difference Alternation in Layer

**R.L. Isyemin, S.N. Kuzmin, A.T. Zorin, A.V. Milovanov,
E.V. Karib, N.B. Kondukov**

*Tambov State Technical University (IDE), Tambov; Moscow State Academy of Fine Chemical Technology named after
M.V. Lomonosov, Moscow*

Key words and phrases: bio-granules; minimal velocity of fluidization; pressure difference pulsations.

Abstract: The paper studies the possibility of using crop waste as fuel. On the basis of the experimental research (using sawdust, nutshell, millet, wheat and rice husk) the conclusions on benefits and drawbacks of this bio-mass application for processing disperse material in fluidized layer are made.