

Identification of the granular materials caking mechanism

Caking of powder and granular materials during storage and processing is one of the main reason of technological problems related to the production process. It is caused by increased humidity and external load.

The doctoral thesis is to identify this phenomenon with standard methods of testing the properties of bulk materials and strength of materials and with microbiological methods. It is also planned to develop a caking index.

Scientific supervisor: dr hab. M. Stasiak, prof. IA PAN

Profile of the candidate:

- education biochemistry, biotechnology, biology
- the ability to use programs for the statistical processing of test results
- advanced English
- the ability to analyze data and make conclusions
- knowledge of laboratory techniques for determining the parameters of granular materials
- knowledge of qualitative and quantitative identification techniques of microorganisms
- the ability to write publications and perform presentations