

CONTENT

Enrichment of minerals

- Morozov V.V., Kovalenko E.G., Dvoichenkova G.P., Polivanskaya V.V.** Improvement of frother separation mode in processing of supergene alteration-worn diamond-bearing kimberlite 5
- Afanasova A.V., Aburova V.A.** Growth of low-dimensional structure noble metals in carbonaceous materials under microwave treatment 20
- Burov V.E.** Capabilities of sonochemistry in flotation of ore minerals 36
- Nikolaeva N.V., Kallaev I.T.** Features of copper–molybdenum ore grinding 52
- Solovev T.M., Shaikhislam G.B., Epstein S.A., Sokolova M.D.** Properties and composition of Yakutian lignite as a source of humic substances 67
- Fomin A.V., Khokhulya M.S.** Development and industrial adaptation of a resource-saving technology for magnetite–hematite concentrate production from manmade iron-ore feedstock 80

Geomechanics, Rock failure

- Belikov A.A., Belyakov N.A.** Method of numerical modeling of rheological processes on the contour of single mine working 94

Geoecology

- Fetisova N.N., Fetisov V.V.** Choosing purification systems for drainage water from abandoned mines in the Kizel Coal Field 109

Mining industrial geology, Mining geophysics

- Pospelov G.B., Savón Yu., Moseykin V.V.** Landslide susceptibility zonation using the analytical hierarchy process. A case study of Guantanamo Province 125

Mining machinery

- Nosenko A.S., Shemshura E.A., Nosenko V.V., etc.** Experimental research of product flow in gravity loading hopper 146

Technosphere safety in mining industry

- Zinovieva O.M., Smirnova N.A.** On the issue of assessing the reliability of technical devices at mining enterprises 157

Energetics and energy efficiency of mining industry

- Petrov V.L., Kuznetsov N.M., Morozov I.N.** Analysis of control quality of rotary mechanism drives in upright oxygen converters by simulation modeling 169