CONTENT

Mahrous A.M. Ali, H.S. Wasly, W.R. Abdellah, Hyongdoo Jang Optimization of blending operation for Aswan phosphate mines using linear programming	1 – 8
Ya. Liashok, I. Iordanov, D. Chepiga, S. Podkopaiev Experimental studies of the seam openings competence in different methods of protection under pitch and steep coal seams development	9 – 19
M.A. Idris Effects of elevated temperature on physical and mechanical properties of carbonate rocks in South-Southern Nigeria	20 – 27
O. Tiutkin, V. Petrenko, N. Petrosian, V. Miroshnyk, A. Alkhdour Controlling stress state of a hoisting shaft frame in the context of specific freezing process	28 – 36
A. Olovyannyy Nonlinear criteria and the influence of the average principal stress on rocks destruction	37 – 45
V. Fomychov, O. Mamaikin, Yu. Demchenko, O. Prykhorchuk, J. Jarosz Analysis of the efficiency of geomechanical model of mine working based on computational and field studies	46 – 55
M. Stupnik, O. Kalinichenko, V. Kalinichenko, S. Pysmennyi, O. Morhun Choice and substantiation of stable crown shapes in deep-level iron ore mining	56 – 62
M. Chetveryk, O. Bubnova, K. Babii, O. Shevchenko, S. Moldabaev Review of geomechanical problems of accumulation and reduction of mining industry wastes, and ways of their solution	63 – 72
V.A. Akinbinu, E.O. Ajaka, D.J. Afu Evaluation of volumetric strain quantities and types of volumetric strain curves under failure-deformation process of hard brittle rocks	73 – 81
O. Vagonova, T. Mormul, Yu. Zakharchenko, N. Romaniuk, L. Kasianenko Topical problems concerning both methods and economy to develop mineral deposits	82 – 89
L. Chen, T. Yang, H. Yang, L. Wang Mechanism conversion process and timeliness of N ₂ -ECBM	90 – 99
I. Sinchuk Harmonization of modeling systems for assessing the electric-power consumption levels at mining enterprises	100 – 107
L. Krupnik, Yu. Shaposhnik, S. Shaposhnik, A. Konurin, D. Shokarev Selection of accessing and development schemes for extracting reserves of ore body 2 in Irtysh deposit	108 – 114
S. Nehrii, S. Sakhno, I. Sakhno, T. Nehrii Analyzing kinetics of deformation of boundary rocks of mine workings	115 – 123