## CONTENT

I. Sadovenko, O. Inkin, A. Zagrytsenko
Theoretical and geotechnological fundamentals for the development of natural and man-made resources of coal deposits ..... $1-10$
P. Koltun, V. Klymenko
Methane Hydrates - Australian perspective ..... $11-18$
V. BiletskyiResearch into adhesive ore-dressing technologies of fine- and nano gold$19-28$
V. Holinko, S. Cheberiachko, O. Yavorska, D. Radchuk
Study of protective properties of half-masks respirators used by miners ..... $29-36$
Ja. Pinka, O. Vytyaz
Effect of fracture pressures on the selection of depths for casing setting in Slovakia ..... $37-43$
M. Antoshchenko, M. Filatiev, O. Dubovyk
Dependence between the height of rocks displacement zone with fissure and the size of stopes ..... $44-49$
O. Zhamoida
Managing mining enterprises’ assets as the basis of their competitiveness ..... $50-55$
V. Dhookie
Impact of new technologies in hard rock underground mining taking into account operational efficiencies and production rates ..... $56-60$
M. Zablodskyi, V. Hrytsiuk, D. Morozov, Ye. Rudniev
Electromechanical transducer for drying and processing of coal concentrates and sludges ..... $61-67$
V. Symonenko, L. Hrytsenko, O. CherniaievOrganization of non-metallic deposits development by steep excavation layers$68-73$
O. Vladyko, D. Maltsev, Ya. ShapovalovChoice of development method for technogenic mineral depositsby technological criteria$74-82$
V. Shevchenko
Analysis of miners' biomechanical characteristics during underground coal mining ..... 83-97
V. Savchuk, D. Rudakov, D. Prykhodchenko
Assessment of coal quality on the site "Uspenivska No 2" in Western Donbas based on the statistical analysis of its chemical and technological properties ..... $98-104$
Iu. Savchenko, A. Gurenko, O. Naumenko
Cutting-edge industrial technology of mining tool manufacturing ..... 105-110

