

---

## CONTENT

<i>V. Snihur, D. Malashkevych, T. Vvedenska</i> Tendencies of coal industry development in Ukraine	1 – 8
<i>V. Busylo, T. Savelieva, V. Serdyuk</i> Applying noncantilevered support of mechanized complexes for developing flat seams	9 – 17
<i>Z. Malanchuk, Ye. Malanchuk, A. Khrystiuk</i> Mathematical modeling of hydraulic mining from placer deposits of minerals	18 – 24
<i>V. Fomychov, V. Pochepov, V. Lapko, L. Fomychova</i> Development and analysis of computational model of geomechanical system “layered massif – working support”	25 – 33
<i>M. Barabash</i> State analysis of overworked and underworked parting between contiguous seams and during their simultaneous top-down mining	34 – 39
<i>O. Khomenko, M. Kononenko, M. Danylchenko</i> Modeling of bearing massif condition during chamber mining of ore deposits	40 – 47
<i>M. Petlovanyi</i> Influence of configuration chambers on the formation of stress in multi-modulus mass	48 – 54
<i>O. Kovrov, Ye. Babiy, B. Rakishev, A. Kuttybayev</i> Influence of watering filled-up rock massif on geomechanical stability of the cyclic and progressive technology line	55 – 63
<i>I. Myronova</i> Prediction of contamination level of the atmosphere at influence zone of iron-ore mine	64 – 71
<i>O. Sdvyzhkova, Yu. Golovko, M. DUBYTSKA, D. Klimenko</i> Studying a crack initiation in terms of elastic oscillations in stress strain rock mass	72 – 77
<i>O. Shustov, A. Dryzhenko</i> Organization of dumping stations with combined transport types in iron ore deposits mining	78 – 84
<i>A. Ighnatov</i> Technological characteristics of the device for bore hole cleaning	85 – 90
<i>S. Mineev, O. Yanzhula, O. Hulai, O. Minieiev, V. Zabolotnikova</i> Application of shock blasting mode in mine roadway construction	91 – 96
<i>M. Zhykaliak, V. Lukinov</i> Improving state regulation of sustainable development of fuel and energy resources in Ukraine	97 – 105