

## CONTENT

<b>Gavrilov V. L., Nemova N. A., Khoiutanov E. A., Cheskidov V. I.</b> Principles of differentiation of coal deposits by significance.....	5
<b>Gonchar N. V., Chetverkin I. A., Vishnyak A. I., Starikov I. V.</b> Assessment of the degree of protection of the aquatic environment during the development of large porphyry copper deposits .....	16
<b>Grib N. N., Kolodeznikov I. I., Kachaev A. V., Grib G. V.</b> Coalbed low-amplitude tectonic disturbance detection by horizontal directional drilling .....	27
<b>Doroshenko E. M., Rasskazova A. V., Kim E. D., Panshin I. O.</b> Comprehensive research of the effect of potassium and sodium nitrates on arsenopyrite in a intermediate product of enrichment.....	40
<b>Zhuravlev K. A., Vasyuta A. D.</b> Analysis of factors influencing losses of recious metals during alluvial deposit exploitation.....	53
<b>Kanakova E. V., Vdovenko A. V., Lipina L. N.</b> Reclamation of the tailings pond # 1 of the ore processing plant at the Albazino deposit.....	64
<b>Kryukova M. V., Motoryikina T. N., Antonova L. A., Tkachuk G. S., Velikii A. S.</b> Organization of monitoring of plant cover during the development of deposits of precious metals using the example of objects of the Malmyzh ore field.....	75
<b>Lomov M. A., Sidlyar A. V., Konstantinov A. V., Grunin A. P.</b> Geomechanical problems of mining the lower horizons of the Yuzhnoye deposit (Primorsky krai).....	87
<b>Malinin Yu. A., Grib N. N.</b> Improving the efficiency and safety of drilling and blasting operations at the elga coal deposit.....	100
<b>Sekisov A. G., Rasskazova A. V., Konareva T. G.</b> Combined geotechnological schemes for the development of gold-bearing technogenic mineral formations .....	116
<b>Fedorova L. L., Sokolov K. O., Prudetskii N. D., Shamaev S. D.</b> GPR models of rock massif of the subarctic zone of the Yakutia .....	129
<b>Chanyshhev A. I., Abdulin I. M., Belousova O. E., L.V Gorodilov, Lukyashko O. A.</b> The use of circular slot to restore mining displacements.....	141
<b>Shevkun E. B., Plotnikov A. Yu.</b> Effect of deceleration intervals on the mechanism of explosive loosening of rocks .....	159
<b>Efremovtsev N. N., Shipovskii I. E.</b> To issue of evaluation of the influence of external pressure and broken condition of a massif on the blast shattering effect by the smoothed particle hydrodynamics method .....	170

