

CONTENT

Mine aerogasdynamics, Mining thermophysics

- Kubrin S. S., Kharchenko A. V., Zakharov V. N.** Determination of sedimentation rate of coal dust depending on its size and form factor 5

Geotechnology

- Talanin V. V., Bekher V. G., Dyatlova E. V.** Detailed modeling of internal structure of coal seams to build operational digital twins of coal fields 20

Geomechanics, Rock failure

- Eremenko A. A., Eremenko V. A.** Modeling of the stress-strain state of the rock mass in the vicinity of mining workings in the area of tectonic disruptions..... 32
- Pavlova L. D., Fryanov V. N., Efremenko S. V.** Numerical study of the influence of natural factors variability within the extraction column on the geomechanical parameters of an underground mining face 51

Geocology

- Bogdanova O. V., Chernykh E. G., Merkurieva K. R., Sizov A. P., Simonyan V. V.** Methodological substantiation of the dynamics of the environment-forming potential of oil and gas-bearing territories..... 63
- Brigida V. S.** Causes and estimability of fluctuations in methane emission dynamics in underground borehole..... 77
- Dubov N. D., Kulikova E. Yu., Rosenthal O. M.** Analysis and forecasting of ground-water quality in urbanized Areas: Solutions based on the Teplostanskaya upland (Southwestern Administrative District of Moscow) 87
- Pashkevich M. A., Kazanina E. V., Nagornov D. O.** Phytoremediation efficiency of *Chamaenerion angustifolium* in technogenically contaminated soils of the Far North..... 109

Mining industrial geology, Mining geophysics

- Xalkulova X. K., Pirnazarov M. M., Akhmedova N. M., Kakharov S. K., Khodzhaev Kh. S.** Forecasting the natural water inflow into the kalmakyr quarry by the time of completion of mining works and studying the chemical composition of surface and groundwater 124

Geoinformatics

- Bessimbayeva O. G., Khmyrova E. N., Bakhaeva S. P., Kaltaeva A. A.** Assessment of change of water level in the Burluk River using digital terrain models 140

Technosphere safety in mining industry

- Fedotkin I. O.** Influence of measurement setup on precision of operational evaluation of fire parameters in mines 152

Energetics and energy efficiency of mining industry

- Petrov V. L., Kuznetsov N. M., Sofronov M. A.** Analysis of the energy complex of the mining industry of the Krasnoyarsk Territory..... 162

Production organization and management in mining

- Shulyatieva L. I.** Modeling parameters of road heading under conditions of high-gas coal seams..... 186