

Contents

Magdalena Tutak, Jarosław Brodny and Kestutis Navickas: Studying the Impact of the Location of Air-Duct Lines on Methane Distribution and Concentration in Dog Headings	285
Martin Štroner, Tomáš Křemen, Jaroslav Braun, Rudolf Urban, Peter Blistan and Ludovít Kovanič: Comparison of 2.5D Volume Calculation Methods and Software Solutions Using Point Clouds Scanned Before and After Mining	296
Martin Straka, Janka Šaderová, Peter Bindzár, Tomasz Małkus and Marcin Lis: Computer simulation as a means of efficiency of transport processes of raw materials in relation to a cargo rail terminal: A case study	307
Markéta Lednická, Jana Rušajová and Pavel Kalenda: New seismic station Pražmo in Silesia and Northeast Moravia, Czech Republic - initial seismological observations	318
Piotr Strzałkowski, Wiesław Piwowarski and Roman Ścigała: The influence of extraction speed on the value of the coefficient of subsidence rate	331
Boris Benderskiy, Pavol Božek, Afanasij Kolotov, Nikola Abo Issa, Aleksey Terentyev and Alena Chernova: Aerodynamics of the Flow Paths of the Vacuum Unit of a Special Cleaning Vehicle in Mining Areas	342
Mohsen Jami, Ali Solgi, Mohsen Pourkermani and Ali Asghar Moridi Farimani: GIS-based Analysis of Relative Tectonic Activity in Southeast of Iran with a focus on Taftan volcano	351
Šárka Vilamová, Anežka Podlasová, Marian Piecha, Kamila Janovská, Petr Šikýř, Drahomír Foltan, Martin Šanda, Karel Bařinka and Roland Grosoř: The conditions for implementing a circular economy in the Czech Republic	366
Beata Gavurova, Viliam Kovac, Peter Drabik and Marian Gomory: Exploration of Disparities in Environmental Activities of European Countries from Year 2006 to Year 2016	376
Dariusz Jasiulek, Sławomir Bartoszek, Karel Perůtka, Aleksandr Korshunov, Jerzy Jagoda and Marek Płonka: Shield Support Monitoring System – operation during the support setting	391
Beata Gryniewicz-Bylina, Bożena Rakwic and Aleksey Shchenyatsky: Testing the selected parameters of conical picks	402