

Contents

Jana Zimáková, Sebastian Vaculík, Petr Bača and Daniel Fryda: The importance of observation of structural changes of lead acid battery active mass in special applications in the mining industry	165
Radim Rybár, Dušan Kudelas and Martin Beer: Selected problems of classification of energy sources - What are renewable energy sources?	172
Milan Durdán and Karol Kostúr: Modelling of temperatures with using algorithm of queue burning movement in the UCG Process	181
Stevan M. Mušicki, Ljiljana M. Kljajević, Miško M. Milanović, Maria Ž. Čebela, Slađana S. Milovanović, Snežana S. Nenadović and Miloš T. Nenadović: Predicting of lead distribution and immobilization in soil of the region of lignite mining (Rudovci, Serbia)	192
Peter Tauš, Marcela Taušová, Daniel Šlosár, Matúš Jeňo and Ján Koščo: Optimization of energy consumption and cost effectiveness of modular buildings by using renewable energy sources	200
Ján Spišák, Martin Truchlý, Dušan Naščák and Július Lišuch: Complex research and innovation program of the raw materials thermal treatment	209
Katarína Čulková, Lucia Domaracká and Mária Muchová: Legislative and economical tools of photovoltaic power support in Slovakia	220
Faik Ahmet Sesli and Mustafa Caniberk: Estimation of the Coastline Changes Using LIDAR	225
Xiang-Chao Shi, Ying-Feng Meng, Li Gao, Xu Tian, Xu Yang, Wu-Qiang Cai and Shuai Mao: Numerical study of changes in coal permeability in a mining workface	234
Pavol Rybár, Carsten Drebenstedt, Mário Molokáč, Ladislav Hvizdák and Ľubomír Štrba: Storage of liquid hydrogen in natural zeolite	242