

Acta Montanistica Slovaca

ISSN 1335-1788





Contents

Ahmed ABBAKER and Nevzat ASLAN: A Comparative Study of Anionic and Cationic Collector in Microbubble-Assisted Flotation for Coarse Quartz Particle: Performance and Adsorption	239
Alexander BOLOTOV, Vladislav NOVIKOV, Olga NOVIKOVA, Fares ABU-ABED and Sergey ZHIRONKIN: Application of diamond abrasive tools in the processing of technical ceramics in parts of mining machines	256
Nataliya KABLAK, Katarina PUKANSKA, Karol BARTOŠ, Ihor SAVCHYN, Mariya NYCHVYD, Ivan KALYNYCH, Jan FEHÉR and Ivan PRODANETS: Application of integrated geodetic and UAV technologies for monitoring environmental changes due to the mining activities in Solotvyno salt mine, Ukraine	267
Mohamed ABU-HASHIM, Karm Fouad MOUSA, Abd-Elrhaman MERWAD, Natalia JUNAKOVA, Peter BUJANSKY, Martina ZELENAKOVA and Ahmed Adel ABDELLATIF: Potential Effect of Mangrove Ecosystem on Soil Carbon Sequestration and its Physico-Chemical Properties	276
Andrzej GAWLIK, Maciej SOBOCIŃSKI, Jacek TAPCZEWSKI, Marcin RABE, Widera KATARZYNA, Maciej ŚNIEGOWSKI and Agnieszka ŁOPATKA: Fuel cells – converting ethanol chemical energy into electricity	286
E. SALEHI, M. GHAFOURI MOGHADAM, J. KHANI, M. HAJIHASSANI and S. ROSTAM ABADI: Investigation of the specific charge variations in determining the optimal methods for drilling and blasting of tunnels	294
Mohammad Reza KOMARI ALAEI, Reza ROSTAMZADEH, Dalia STREIMIKIENE and Mohammad HARIRI: Investigating cross-docking criteria for raw materials with hybrid MCDM	310
Marie PAVLÁKOVÁ DOČEKALOVÁ, Jiří LUŇÁČEK, Lukáš RADIL, Adam P. BALCERZAK, Tomáš MELUZÍN, Justyna ŁAPIŃSKA and Marek ZINECKER: Determinants of the Relationship between Wholesale and Retail Energy Prices in the Czech Republic	332
Nawaz AHMAD, Rizwan Raheem AHMED, Dalia STREIMIKIENE, Justas STREIMIKIS and Ahmad RAZA UL MUSTAFA: Stock Returns and Volatility: Comparative Investigation from SAARC Countries	343
Sebastian KOT, Barbara PIONTEK and Bilal KHALID: The Economic Shockwaves of the Russia-Ukraine Conflict and Energy Sources Prices – The Impact on International Energy Markets	353
Ramazan DEMİRCİOĞLU and Hatim ELHATİP: The Relationship of the Change in Hydrogeochemical Features and Lithium Values of Kızılırmak Basin (Nevsehir-Central Anatolia) Water with Tectonic Fields	367
Andrzej PACANA, Dominika SIWIEC and Takyi KWABENA NSIAH: Analysis of the ecological footprint of mining machines in the phase of material extraction and processing in LCA	384



Acta Montanistica Slovaca

ISSN 1335-1788



actamont.tuke.sk

Silvia PALGUTOVÁ, Ľubomír ŠTRBA and Andrea VRAVCOVÁ: Interpretation of geological heritage on nature trails and geotrails in Geopark Banská Štiavnica and their online information availability	393
Katarzyna GRONDYS, Tomasz KAMIŃSKI and Mariusz KIEĆ: Influence of Transport Process Management on Exceeding Permitted Load Weights in Transport Companies	405
Agata JANASZEK: Determining the Soil Particle Shape by Use of Dynamic Image Analysis	417
Mahmoud MOTASIM, Tevfik AGACAYAK and Walid OSMAN: Ore Characterization and Quality Control Aspects of Gold Cyanidation: The CIL Plant as a Case Study in Sudan	427
Kinga SZOPIŃSKA, Małgorzata KRAJEWSKA, Agnieszka BIEDA and Peter BLISTAN: Prioritization of Source Data Necessary for the Valuation of Real Estate with Mineral Deposits: The Case of Poland	436
Michaela PROCHÁZKOVÁ, Iveta KMECOVÁ and Zdeněk CAHA: Identifying Differences in the Application of HR Marketing Tools in Companies in the Secondary Sector – a Case Study of Mining, Construction, and Manufacturing Industries	453
Kristina RAZMINIENĖ and Manuela TVARONAVIČIENĖ: Advancing Circular Economy through Knowledge Transfer: A Decade of Research Insights	470
Ladislav SUHÁNYI, Alžbeta SUHÁNYIOVÁ and Michaela KOČIŠOVÁ : Relationship between GDP and Government Expenditure on Environmental Protection and Environmental Tax Revenues	489
Lukáš TAHOTNÝ, Viktor SUCHÝ, Jaroslav SCHÖNFELD and Zoltán RÓZSA: A novel approach to commercial property valuation: Successive term indexing and its competitive implications	500
Nikolay SHAITOR, Milan SÁGA, Alexander OLEYNIKOV and Alexander GORPINCHENKO: Development of double-layer rotors for asynchronous drives of mining and transport machines	513



© 2024 by the authors. Submitted for possible open access publication under the terms and conditions of the Creative Commons Attribution (CC BY) license (http://creativecommons.org/licenses/by/4.0/).