

## CONTENTS

|                                                                                                                                                                            |            |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| <b>Sermin Eleveli and Birol Eleveli:</b> Performance Measurement of Mining Equipments by Utilizing OEE                                                                     | <b>95</b>  |
| <b>Vlastimil Hudeček and Milan Stoniš:</b> Forecast and Prevention of Coal and Gas Outbursts in the Case of Application of a New Mining Method - Drilling of a Coal Pillar | <b>102</b> |
| <b>H. Kose, C. Pamukcu and E. Yalcin:</b> Project design of an open pit colliery in Terkidag, Turkey                                                                       | <b>109</b> |
| <b>Karol Kostúr and Tibor Sasvári:</b> Research of lignite underground gasification                                                                                        | <b>121</b> |
| <b>Deniz Mamurekli:</b> Environmental impacts of coal mining and coal utilisation in the UK                                                                                | <b>134</b> |
| <b>Tomáš Svitek, Vladimír Rudajev, Matěj Petružálek:</b> Determination of P – wave arrival time of acoustic events                                                         | <b>145</b> |
| <b>Ivan Brezáni and Fridrich Zeleňák:</b> Improving the effectivity of work with Rosin-Rammler diagram by using MATLAB RGU Itool                                           | <b>152</b> |
| <b>Ivo Petráš and Dagmar Bednárová:</b> Total Least Squares Approach to Modeling: A Matlab Toolbox                                                                         | <b>158</b> |