

CONTENTS

FOREWORD	7
Part I. ASSESSMENT OF COMPETITIVENESS IN EXTRACTIVE INDUSTRIES: METHODS OF MEASUREMENT AND STRENGTHENING TOOLS	9
1. Comparative analysis of competitive advantages of Russian fertilizer companies (<i>Diana DMITRIEVA, Andrzej KRASLAWSKI, Alina ILINOVA</i>).....	11
2. Gap-analysis of the Russian federation coal industry (<i>Yurii VASILEV</i>).....	27
3. The competitive edge of the knowledge management system in the organizational capital of an industrial company (<i>Tatyana PONOMARENKO, Izabela JONEK-KOWALSKA, Oksana MARININA</i>).....	41
4. Development of a methodology for assessing the effectiveness of arctic LNG projects based on the specifics of their implementation (<i>Olga EVSEEVA, Alexey CHEREPOVITSYN</i>).....	59
5. Sources of value creation of a mining enterprise (<i>Jolanta BIJAŃSKA, Krzysztof WODARSKI</i>).....	73
6. Remedial restructuring as a way to extend the final stage of an enterprise based on the example of Polish hard coal mining (<i>Izabela JONEK-KOWALSKA</i>).....	89
Part II. IMPROVEMENT OF PRODUCTIVITY IN EXTRACTIVE INDUSTRIES WITH THE USE OF ORGANIZATIONAL AND TECHNOLOGICAL METHODS	101
7. Consolidation in the hard coal mining sector: case study (<i>Marta PODOBIŃSKA-STANIEC, Patrycja BAŁ</i>).....	103
8. Parallax effect in research on community of practice (<i>Jacek BENDKOWSKI</i>).....	119

9.	The optimal structure of coal output in a group of collieries (<i>Adam GUMIŃSKI, Adam BOSOWSKI</i>).....	133
10.	Studying of the impact of calcium synthetic silicates and hydrated silicates structure on sorption processes (<i>Alyona KUZHAEVA, Natalia DZHEVAGA, Igor BERLINSKII</i>).....	147
11.	Removal and separation of lanthanides in polycomponent systems by ion flotation method (<i>Natalia DZHEVAGA, Olga LOBACHEVA</i>).....	159
12.	Mining output stream rate in the function of probability – calculations scheme for bidirectional shearer cutting (<i>Ryszard SNOBKOWSKI, Marta SUKIENNIK, Aneta NAPIERAJ</i>).....	173
13.	Theory of inventory management with a view of stochastic models (<i>Barbora FRANKOVÁ, Vojtěch MEIER</i>).....	189
Part III.	SOCIAL AND ENVIRONMENTAL ASPECTS OF MANAGEMENT IN EXTRACTIVE INDUSTRIES.....	203
14.	The Corporate Social Responsibility practices in Australian mining sector (<i>Radostaw WOLNIAK</i>).....	205
15.	The relationship between indicators of non-financial reporting of polish companies (<i>Marta PODOBIŃSKA-STANIEC</i>).....	219
16.	Management of social infrastructure objects of the mining companies on newly-developed territories (<i>Marina NEVSKAYA, Tatiana PONOMARENKO, Tatiana KOSOVITZEVA</i>).....	233
17.	The issues related to occupational health and safety culture in the mining industry (<i>Patrycja BĄK, Marta SUKIENNIK, Mariusz KAPUSTA</i>).....	247
18.	Survey of staffing needs to implement projects on the Arctic Shelf (<i>Alexey FADEEV, Anna TSVETKOVA, Alexey CHEREPOVITSYN</i>).....	261
19.	Perception of environmental responsibility and risks in oil and gas industry in Russia (<i>Iuliia GOMAN, Olga KOCHERGINA</i>).....	273