## SPIS TREŚCI

1.	THE WAY OF PLANNING AND ORGANIZING RESEARCH IN RANGE OF ERGONOMICS ON THE EXAMPLE OF OBSERVATION OF LAPAROSCOPIC SURGERIES	
	Joanna BARTNICKA, Agnieszka ZIĘTKIEWICZ, Grzegorz KOWALSKI	7
2.	A COMPARATIVE COMPONENTS IMPORTANCE ANALYSIS OF A COMPLEX	
	TECHNICAL SYSTEM WITH THE USE OF DIFFERENT IMPORTANCE MEASURES Leszek CHYBOWSKI, Dorota IDZIASZCZYK, Bogusz WIŚNICKI	23
3.	EXTENSION OF LONGWALL'S EFFECTIVE WORKING TIME Stefan CZERWIŃSKI	34
4.	CORRELATION BETWEEN EMPLOYERS AND VOCATIONAL EDUCATION IN CREATING COMPETENT GRADUATES AS AN ELEMENT OF REGION DEVELOPMENT	
	Jerzy DYCHAŁA	43
5.	ULTRA-THICK SEAM MINING AT THE ČSM MINE IN THE CZECH REPUBLIC Beáta GIBESOVÁ, Petr ŽŮREK, Adéla CIBULCOVÁ, Petr URBAN,	
	Josef CHOVANEC	57
6.	SUPPLY SYSTEM OF FLY ASH FOR MINING PLANTS – ANALYSIS OF THE PROBL Karina HERMANN, Witold BIAŁY	EM <b>64</b>
7.	DETERMINANTS OF MUNICIPAL WASTE MANAGEMENT SYSTEM BASED ON THE PRINCIPLES OF SUSTAINABLE DEVELOPMENT	
	Karolina JĄDERKO, Barbara BIAŁECKA	<b>78</b>
8.	ORGANISATIONAL ASPECTS OF EXECUTION OF THE LOCAL REVITALISATION PROGRAMMES IN THE LARGEST CITIES IN POLAND - INDICATION OF DIRECTIONS OF FURTHER RESEARCH	
	Tomasz SZULC	91
9.	UTILIZATION OF GAS HEAT PUMPS FOR HEATING AND AIR CONDITIONING IN SMALL AND MEDIUM SIZED ENTERPRISES	
	Tomasz WAŁEK, Piotr KALETA	101

10.	RADIO FREQUENCY IDENTIFICATION IN SUPPLY CHAIN MANAGEMENT Radosław WOLNIAK	109
11.	COMPUTER AIDED SUSTAINABLE DEVELOPMENT REPORTING -	
	INTEGRATION WITH ERP PACKAGES	
	Radosław WOLNIAK, Patrycja HĄBEK	119
12.	DISAGGREGATION PROBLEMS USING DATA DERIVED FROM POLISH	
	AIR POLLUTANT EMISSION MANAGEMENT SYSTEM	
	Damian ZASINA, Jarosław ZAWADZKI	128
13.	DEVELOPMENT OF CLUSTER THEORY - BIBLIOGRAPHY STUDY	
	Iwona ŻABIŃSKA	138