

## CONTENTS

<i>Z. Schenková</i> : PREFACE .....	5
<i>J. Pešek, J. Honěk, I. Sýkorová, J. Špudil, M. Havelcová, J. Mizera, M. Vašíček and O. Michna</i> : EVALUATION AND UTILISATION OF LIGNITE DEPOSITS OF THE CZECH REPUBLIC .....	7–9
<i>M. Pekař, I. Sýkorová, I. Koutník, M. Klučáková, M. Havelcová, V. Machovič, J. Mizera, L. Omelka, M. Vašíček, M. Veselý and T. Veselý</i> : PROGRESSIVE AND EFFICIENT NON-ENERGY APPLICATIONS OF LIGNITE .....	11–15
<i>Z. Schenková, P. Kottbauer, V. Schenk, M. Cajthamlová-Grácová, F. Mantlík and R. Kujal</i> : INVESTIGATION OF THE RECENT CRUSTAL MOVEMENTS OF THE EASTERN PART OF THE BOHEMIAN MASSIF USING GPS TECHNOLOGY .....	17–25
<i>E. Kotulanová, J. Schweigstillová, S. Švarcová, D. Hradil, P. Bezdička and T. Grygar</i> : WALL PAINTING DAMAGE BY SALTS: CAUSES AND MECHANISMS .....	27–31
<i>J. Sejkora, M. Štastný, J. Litochleb, B. Šreinová, V. Šrein and I. Sýkorová</i> : NATURAL AND ANTHROPOGENIC CONTAMINATION AND THEIR EVIDENCE IN GEOLOGICAL HISTORY .....	33–42
<i>K. Balík, L. Bačáková, M. Sochor, T. Suchý, M. Černý, Z. Sucharda, V. Lisá, E. Filová, L. Grausová, R. Sedláček and P. Tichý</i> : POROUS COMPOSITE MATERIALS WITH POLYAMIDE REINFORCEMENT AND SILOXANE MATRIX WITH NANO-HYDROXYAPATITE AS BIOMATERIALS .....	43–51
<i>I. Sýkorová, M. Havelcová, M. Vašíček, V. Machovič, P. Matysová, V. Suchý, B. Kříbek, A. Langrová, A. Šulc and I. Čermák</i> : ORGANIC MATTER DISPERSED IN ROCKS – OBJECTIVE CHARACTERIZATION, RELATION TO NATURAL AND ANTHROPOGENIC PROCESSES .....	53–58
<i>J. Horálek, J. Málek, T. Fischer, A. Boušková, J. Šílený, I. Pšenčík, P. Jedlička, J. Mrlina, J. Burjánek, Z. Hudová, M. Brož, J. Štrunc, P. Kolínský and M. Gangur</i> : EARTHQUAKE SWARMS IN THE WESTERN PART OF THE BOHEMIAN MASSIF AND THEIR LINK WITH CRUSTAL FLUIDS .....	59–60
<i>M. Brož, J. Málek, J. Valenta, V. Stejskal, P. Štěpančíková, J. Štrunc and P. Kolínský</i> : HYDRO-GEOLOGICAL EFFECTS OF SEISMICITY IN THE HRONOV-POŘÍČÍ FAULT ZONE AREA .....	61–63
<i>B. Košťák, J. Stemberk, M. Briestenký and P. Štěpančíková</i> : 3-D MONITORING OF MICRODISPLACEMENTS IN THE ZONE OF EUROASIAN AND AFRICAN COLLISION .....	65–66
<i>J. Štrunc, S. Dado, J. Málek and J. Prokešová</i> : SENSOR OF ROTATIONAL MOVEMENT AROUND VERTICAL AXIS FOR SEISMIC MEASUREMENT .....	67–74
<i>J. Schweigstillová</i> : ORIGIN OF SULPHATE EFFLORESCENCE FROM SANDSTONE OF THE BOHEMIAN CRETACEOUS BASIN .....	75–78
<i>Š. Lukschová</i> : ALKALI-SILICA REACTION OF AGGREGATES IN REAL CONCRETE AND MORTAR SPECIMEN .....	79–86