

TABLE OF CONTENTS

Introduction	7
Department of Geodynamics	15
<i>R. Číž, V. Rudajev:</i> Prediction Methods Based on Multichannel Statistical Extrapolation and Their Application on Induced Seismic Events	27
<i>M. Brož:</i> Modification of the Lennartz Apparatus for the Seismic Array in West Bohemia	39
Department of Geotechnics	43
<i>P. Procházka, J. Skořepová:</i> Stability of Tunnel Heading Using Coupled Modelling	49
<i>J. Vydra:</i> Determination of Physical and Mechanical Properties of Sedimentary Rocks of Carboniferous Age	59
Department of Engineering Geology	67
<i>J. Rybář:</i> Increasing Impact of Anthropogenic Activities upon Natural Slope Stability	75
<i>J. Heiland, B. Košťák:</i> Investigations into the Mechanism of Translational Block-type Slope Movements	85
<i>J. Zvelebil:</i> Some Experience with Safety Oriented Rockslope Monitoring	105
Department of Geofactors	119
<i>V. Šrein et al.:</i> Study of the Tourmalines from Different Metamorphic Rocks	133
<i>V. Schenk, Z. Schenková, P. Kottnauer:</i> Earthquake Hazard Assessment, Geodynamical and Seismotectonic Studies	137
Department of Mineral Preparation	153
<i>J. Pečoč:</i> Measurement of the Size of Flocs and Bridge Flocculation Kinetics	157
Department of Carbon	165
<i>K. Balík, P. Glogar:</i> Flexural Strength and Young's Modulus of Carbon Fabric Reinforced Carbon Composites	171
<i>K. Balík et al.:</i> Carbon-Carbon Composite Bone Plates	177
Department of Caustobioliths	181
<i>J. Buchtele, P. Jelínek, P. Straka:</i> Formation of Lustrous Carbon by Two-stage Pyrolysis of Coal	187
<i>P. Straka, J. Buchtele:</i> Structural Study of Ostrava-Karviná Bituminous Coals	191
Department of Textural and Chemical Analyses	195
<i>I. Sýkorová et al.:</i> Composition and Morphology of Fly Ash from Fluidized Bed Combustion of Brown Coal	207
<i>Z. Weishauptová, J. Medek:</i> Distribution of Coalbed Methane in the Porous System of Coal	211