

## CONTENTS

### Part I. Bauxite Geology

G. BÁRDOSY: Bauxite Deposits of Hungary .....	9
M. K. R. CHOWDHURY: Prospection of Indian Bauxite and Reserve Estimation .....	21
I. VÖRÖS: Micromineralogical Investigation of the Bauxite Section of Gánt, Hungary .....	31
B. SINKOVEC: Geological Features and Origin of the Vrace Bauxite Deposit, Croatia .....	39
F. TRUBELJA: Two Different Bauxite Types in the Area of Jajce, Bosnia .....	53
Y. R. COCHET: Origin of the Bauxite Deposits in the Padurea Craiului Mountains, Rumania .....	63
R. NIA: Genesis of Boehmite and Diaspore in Greek Upper Cretaceous Bauxites of the Parnassos - Kiona Zone .....	69
G. HÖRISZT: Hydrogeology of the Nyirád Bauxite Region and the Results of Active Water Protection .....	99

### Part II. Investigation of Bauxite

J. L. WHITE: Applications of Infrared Spectroscopy to the Study of Bauxite and Bauxite Constituents .....	115
MRS. O. LAHODNY - SABC, J. L. WHITE: Study of Acidic Action on the Structure of Kaolinite and Boehmite in Yugoslav White Bauxite .....	123
G. KOMLÓSSY: Mineralogical Composition of the Iszkaszentgyörgy Bauxite .....	131
T. KUROSAWA, T. KIKUSHI, T. YAGIHASHI: Thermal Properties of Bauxites and Japanese Colloidal Earth .....	145
P. OTTLIK, L. SZABADVÁRY: Geophysics in Bauxite Prospecting .....	157
T. ERDÉLYI, S. TAKÁCS: Geological and Industrial Value of Near Surface Clayey Bauxites Near Halimba, Hungary .....	169

### Part III. Bauxite Mining

J. BRUCY, R. AUVERT: The Mazauges-Aval Mining Works, Sinking of an Incline .....	187
K. TOLNAY: Designing and Technology of Big Holes Drilled for Water in Hard Rocks .....	197
M. MECSSNOBER, F. ROSTA: Experiences of Shaft Sinking by Drilling in Hungarian Bauxite Mining .....	211
I. KIS: Protection against Karst Water in the Bakony Bauxite Mines .....	219
M. SOLYMOS: Effects of Water-level Sinking on Bauxite Production Planning .....	227
N. SPASIC: Results of a Mass Blasting Method in the Open-cast Mining of the Ferrous Bauxite Deposit "Grebnik" in Metohija, Yugoslavia .....	231
I. SZEPESHEGYI: Up-to-date Mining and Transport System in the Mines of the Bakony. ....	239
J. STAUDINGER: Some Problems of Technology in Underground Bauxite Mining .....	253
K. MURARI: Quality Control in Mechanised Bauxite Mines in India .....	263