

**ANALELE ȘTIINȚIFICE
ALE
UNIVERSITĂȚII “AL. I. CUZA”
DIN IAȘI
(SERIE NOUĂ)**

G E O L O G I E

TOMUL XLV-XLVI

1999-2000

EDITURA UNIVERSITĂȚII “ALEXANDRU IOAN CUZA” DIN IAȘI

C U P R I N S

ANIVERSĂRI	1
LIVIU IONESI - <i>ION SIMIONESCU - AUTOR AL PRIMEI GEOLOGII A ROMÂNIEI</i>	9
OVIDIU GABRIEL IANCU AND GABRIELA IANCU - <i>PETROLOGICAL AND GEOCHEMICAL CONSIDERATIONS CONCERNING THE MEZÖ-MĂDĂRAŞ ROMANIAN METEORITE</i>	15
DAN STUMBEA - <i>POTASSIUM FELDSPARS OF SOMEŞUL RECE – VALEA IARA PEGMATITE DISTRICT (APUSENI MOUNTAINS). (II) A GEOCHEMICAL APPROACH (MAJOR ELEMENTS)</i>	25
DAN STUMBEA - <i>LES ROCHES MÉTAMORPHIQUES-HÔTE POUR LES PEGMATITES DU CRISTALLIN DE GILĂU (MONTS APUSENI). I. CARACTÉRISATION GÉOCHIMIQUE DES MICASCHISTES, DES PARAGNEISS ET DES AMPHIBOLITES</i>	35
NICOLAE BUZGAR - <i>MINERALOGICAL AND CRYSTALLOCHEMICAL OBSERVATIONS ON SOME AMPHIBOLES OF THE CODRU INTRUSIONS FROM BISTRĂ REGION (APUSENI MTS.)</i>	45
NICOLAE BUZGAR - <i>CONTRIBUTIONS TO THE KNOWLEDGE OF THE CODRU MIGMATIC SERIES FROM THE BISTRĂ-GÂRDA REGION (APUSENI MTS.)</i>	51
TUDOR IGNAT, LAVINIU APOSTOAE - <i>SOME REMARKS ON GENETIC ALGORITHMS APPLIED ON IDENTIFICATION AND CLASSIFICATION OF IGNEOUS ROCKS.</i>	57
DUMITRU BULGARIU, AUREL SARAIMAN - <i>LA GÉOCHIMIE DES EAUX MINERALES D'OLĂNEŞTI (PARTIE I).</i>	63
DUMITRU BULGARIU, LAURA DRAGOMIR - <i>THE INVESTIGATION OF THE ACIDO-BASIC REACTIVITY OF NATURAL SILICATES (II). APRECIATIONS ABOUT THE MECHANISM OF OLIVINE'S HYDROLYSIS IN ACID MEDIUM.</i>	7

DUMITRU BULGARIU, CRISTOFOR I. SIMIONESCU, MANUELA SECARA, CONSTANTIN ROMANESCU, GHEORGHE COBILEAC - <i>ORGANIC SYNTHESIS WITHIN HYDROTHERMAL SYSTEMS (I) HYPOTHESIS AND SYSTEM SHAPINGS</i>	95
DUMITRU BULGARIU, LAURA DRAGOMIR, VICTOR ȘABLIOVSCHI, MANU- ELA SECARA - <i>CONTRIBUTION TO THE STUDY OF ACID - BASIC REACTIVITY OF NATURAL SILICATES (I). NESOSILICATES</i>	107
DUMITRU BULGARIU, MANUELA SECARA, LAURA DRAGOMIR - <i>PHYSICAL AND CHEMICAL CONSIDERATIONS CONCERNING THE PROCESS OF VOLCANIC TUFF ZEOLITIZATION. THE INFLUENCE OF THE IONIC FORCE OF THE NATURAL SOLUTIONS</i>	123
CRISTOFOR I. SIMIONESCU, CONSTANTIN ROMANESCU, GHEORGHE COBI- LEAC, DUMITRU BULGARIU - <i>PHOTO-REDOX PROCESSES AT MINE- RAL-WATER INTERFACES. IMPLICATIONS FOR ORIGIN OF LIFE</i>	137
TUDOR IGNAT, LAVINIU APOSTOAE - <i>BENETIC ALGORITHMS AND CLUSTER ANALYSIS APPLICATION ON GRANITIC ROCK CLASSIFICATION</i>	143
OLARU LEONARD - <i>PALYNOLGY OF THE FORMATION WITH PARADOXIDES PARADOXISSLIMUS FROM MITROFANI OF THE MOESIAN PLATFORM, ROMANIA</i>	149
OLARU LEONARD - <i>PALYNOLOGICAL ASPECTS IN THE SILURIAN OF THE TULCEA UNIT (NORTH DOBROGEA, ROMANIA)</i>	161
TURCULEȚ ILIE - <i>SUR LES PECTINACEES DU JURASSIQUE BUCOVINIQUE DE LA ZONE TARNIȚA-RARĂU-BREAZA (CARPATES ORIENTALES)</i>	173
TURTUREAN MIHAI, MELINTE MIHAELA - <i>CALCAREOUS NANNOPLANKTON FROM THE FORMATION OF THE VARIEGATED CLAYS (AUDIA NAPPE THE NORTHERN SECTOR OF THE EASTERN CARPATHIANS)</i>	183
VINOGRADOV C. - <i>SISTEME DEPOZIȚIONALE ȘI FACIESURI IN MEZOZOICUL ȘI PALEOGENUL "DEPRESIUNII BARLADULUI".</i>	193
AVRAM EMIL ION JANA, PANĂ IOANA, POPESCU GH., BALTRĂS ALBERT, IVA MARIANA, BOMBÎȚĂ GH. - <i>THE WEST OVIDIU SECTOR OF THE POARTA ALBĂ-NĂVODARI CANAL (DOBROGEA, SE ROMANIA): STRATIGRAPHY, STRUCTURE, PALEONTOLOGY.</i>	205
IONESI BICA, IONESI LIVIU, MUNTEAN VIORICA - <i>CONTRIBUTION A L'E- TUDE DE LA FAUNE BASARABIENNE DE LA REGION DE BUZDU- GANĂ-BĂLĂNEȘTI (R. MOLDOVA)</i>	213

ŞTEFAN PETRU - ASPECTS PETROGENETIQUES CONCERNANT LES OOLITHES BASARABIENNES INFÉRIEURES DE LA ZONE DEALUL MARE-HARLĂU.	233
CIRIMPEI CLAUDIA - THE STUDY OF THE BADENIAN'S STRUCTURES FROM THE SOUTHERN BARLAD PLATFORM.	241
TIBULEAC PAUL - PRESENCE OF THE CONGERIA IN THE VOLHYNIAN (FĂLTICENI - BOROAIA FORMATION) - FROM FĂLTICENI - BAIA - BOROAIA AREA - SUCEAVA COUNTY, MOLDAVIAN PLATFORM.	249
MUNTEANU EMILIA, MUNTEANU MIHAI-TUDOR - PECULIARITIES OF THE BASARABIAN - CHERSONIAN BOUNDARY BETWEEN CRICOVU SĂRAT AND BUZĂU VALLEYS.	259
SARAIMAN AUREL - THE FAUNA OF BOVIDAE FROM THE MUSEUM OF NATURAL SCIENCES IN DOROHOI.	263
CIRIMPEI CLAUDIA - THE STUDY OF THE MAMMAL FAUNA FROM THE ELAN TERRACE.	271
CIRIMPEI CLAUDIA - THE ESTIMATION OF THE WATER DEPTH TAKING INTO ACCOUNT THE DISTRIBUTION OF BENTONIC FORAMINIFERS IN THE NORTHERN PART OF THE MOLDAVIAN PLATFORM IN THE KOSSOVIAN.	279
BRÂNZILĂ MIHAI, MARIANA-MĂRUNTEANU - CALCAREOUS NANNOPLANKTON ASSOCIATIONS IN THE NORTH-EASTERN MOLDAVIAN PLATEFORM'S SARMATIAN DEPOSITS.	287
NOTE CRITICE	295
IN MEMORIAM	313