

CONTENTS

ENVIRONMENTAL SCIENCE AND ENGINEERING

1. THE NITROGEN REGIME AND MOBILITY OF SOME TRACE ELEMENTS IN ARABLE SOILS LOCATED NEAR THE TAILING PONDS IN THE WEST PART OF BAIA MARE, Adriana MUNTEAN, Mirela COMAN, Teodor RUSU , Romania.....	1
2. EARTHQUAKE EFFECTS: THE IMPACT ON BUILDINGS AND ENVIRONMENT, Daniela DOBRE, Claudiu-Sorin DRAGOMIR, Emil-Sever GEORGESCU , Romania	5
3. POST CLOSURE MONITORING OF ENVIRONMENTAL WORKS CONDUCTED IN VADU PASII AREA, BUZAU COUNTY, Mihaela-Violeta STOICA, George-Mihail PETRE , Romania.....	11
4. INFLUENCE OF CLIMATE AND VEGETATION ON STRUCTURES FOUNDED ON EXPANSIVE CLAYS, Tatiana IVASUC, Ioana SIMINEA, Ernest OLINIC , Romania.....	17
5. EFFECT OF SELENIUM AND MOLYBDENUM CONTENT IN RHIZOBXES ON ELEMENT UPTAKE OF MAIZE AND SUNFLOWER, Béla KOVÁCS, Éva BÓDI, Kinga NAGY, Brigitta TÓTH, István FEKETE, Dávid ANDRÁSI , Hungary.....	23
6. MINERAL BALANCE IN FOOD - A FOOD QUALITY, ANIMAL WELFARE AND ENVIRONMENTAL ISSUE, Liliana TUDOREANU, Mario CODREANU, Elena ROTARU, Victor CRIVINEANU, Gheorghe GORAN, Laura POP , Romania.....	33
7. DOES WELFARE OF DAIRY COWS AFFECT QUALITY OF MILK AND DAIRY PRODUCTS? Marisanna SPERONI, Sara CARÉ , Italy.....	39
8. WHEY UTILIZATION FOR PRODUCTION OF BACTERIOCIN AND PROBIOTIC PREPARATIONS, Rubén Agregán PÉREZ, Ana TORRADO AGRASAR, Lorenzo PASTRANA CASTRO, Nelson PÉREZ GUERRA , Spain.....	45

SUSTAINABLE DEVELOPMENT OF RURAL AREA

1. STUDIES FOR RURAL DEVELOPMENT PROGRAMME ELABORATION IN THE CRISURI BASIN, Florin MARACINEANU, Elena CONSTANTIN, Neculai DOGARU , Romania.....	59
2. LANDSCAPE AND IRRIGATION DESIGN OF GREEN SPACES IN RURAL AREAS OF CANDESTI PLATEAU. CASE STUDY. PICIOR DE MUNTE VILLAGE, DAMBOVITA COUNTY, Alexandru-Marian CHIPER, Sorin-Mihai CIMPEANU , Romania	63
3. SUSTAINABLE AGRICULTURE – ROMANIA CASE-STUDY; NEW AREAS FOR RESEARCH, Delia DIMITRIU , UK.....	71
4. APPLICATION TECHNIQUES OF FERTIGATION, Oner CETIN, Nese UZEN, Murat KARAER , Turkey.....	77
5. AGRICULTURE IN TERMS OF EUROPEAN UNION STRATEGY FOR DANUBE DELTA ADOPTION, Cristiana SIRBU , Romania.....	83

DISASTER MANAGEMENT

1. STRENGTHENING OF BUILDINGS BY SEISMIC BASE ISOLATION. PROS AND CONS FOR APPLYING THE STRENGTHENING METHOD TO BUILDINGS LOCATED IN BUCHAREST, Claudiu-Sorin DRAGOMIR, Andreea DUTU, Ioan-Sorin BORCIA , Romania.....	87
2. ASSESSMENT OF STRUCTURAL DAMAGES USING NON-DISTRUCTIVE AND SEISMIC INSTRUMENTATION METHODS. CASE STUDY OF AN EDUCATIONAL BUILDING IN BUCHAREST, Claudiu-Sorin DRAGOMIR, Serban PURDOIU, Augustina-Sandina TRONAC, Sorin-Mihai CIMPEANU, Roxana-Dana BUCUR , Romania.....	91
3. RESEARCH UPON LANDSLIDES AT MOSOROASA, VALCEA COUNTY, Florin MARACINEANU, Elena CONSTANTIN, Serban-Dan ROSULESCU , Romania.....	97

4. PEDOLOGICAL AND GEOTECHNICAL ANALYSIS OF LANDSLIDES AREA AT CORNU, PRAHOVA COUNTY, **Andrei IONITA, Alina NITU**, Romania..... 101

WATER RESOURCES MANAGEMENT

1. FLOODS TRANSIT THROUGH HYDROTECHNICAL WORKS IN RIVERBEDS, **Raluca-Iustina HIRTAN, Daniela SARBU**, Romania 109
2. RAINFALL-RUNOFF MODELLING OF THE DROBOTFOR WATERSHED USING GIS-BASED SCS-CN METHOD, **Veronica IVANESCU, Patricia MOCANU**, Romania 113

POLLUTION CONTROL, LAND PLANNING

1. MODIFIED OF POWER PLANT ASH FOR REMOVAL OF HEAVY METAL IONS FROM SOIL, **Ramona-Carla CIOCINTA, Gabriela BUEMA, Maria HARJA, Carmen CIMPEANU, Marinela BARBUTA, Daniel BUCUR, Daniela BURGHILA**, Romania 119
2. REGARDING ROMANIA-UKRAINE CROSS-BORDER MANAGEMENT OF THE CONTAMINATED SITES WITH OIL PRODUCTS, **Mirela COMAN, Anamaria DASCALESCU**, Romania ... 123

TOPOGRAPHY AND CADASTRE

1. USAMVB CAMPUS INVENTORY AND SURVEYING USING 3D GIS TECHNOLOGIES, **Bianca-Elena BADULESCU, Raluca-Margareta MANEA, Ionut SANDRIC**, Romania 127
2. SPORADIC CADASTRE, SYSTEMATIC CADASTRE, **Daniela IORDAN, Bogdan MUNTEANU, Ionut ENI**, Romania 133
3. STUDY ON DISTANCE REDUCTION IN PROJECTION PLAN IN CADASTRE, **Daniela IORDAN, Florin DUMITRU, Mihai COMAN**, Romania 137

EARTH OBSERVATION AND GEOGRAPHIC INFORMATION SYSTEMS

1. PLATFORM FOR GEOINFORMATION IN SUPPORT OF DISASTER MANAGEMENT, **Iulia DANA NEGULA, Vasile CRACIUNESCU, Ana VIRSTA, Raluca MANEA, Mariana CALIN, Mirela-Alina SANDU**, Romania 141
2. CULTURAL HERITAGE SURVEYING EXPERIENCES OF COMITATO ITALIANO FOTOGRAMMETRIA ARCHITECTONICA, **Pietro GRIMALDI, Jorge Luis Nunes Silva BRITO, Isabella DI LIDDO, Alexandre CORREA**, Italy, Brazil..... 145
3. NEW CLOSE-RANGE PHOTOGRAMMETRIC TECHNOLOGIES, **Gabriel POPESCU**, Romania 153

MISCELLANEOUS

1. APPLIED GEOMETRY IN MICROECONOMICS. RECENT DEVELOPMENTS, **Adela MIHAI, Andreea OLTEANU**, Romania 159
2. A SURVEY AT THE POPULATION OF URZICENI, IALOMITA TO DETERMINE THE PROBLEMS FACING THE CITY IN TERMS OF SUSTAINABLE DEVELOPMENT, **Ionut PRAVAT, Gheorghe CAMPEANU**, Romania 167