

CONTENTS

ENVIRONMENTAL SCIENCE AND ENGINEERING

1. COPPER REMOVAL: KINETIC AND THERMODYNAMIC STUDY, Gabriela BUEMA, Sorin Mihai CIMPEANU, Daniel Mircea SUTIMAN, Razvan TEODORESCU, Daniela BURGHILA, Ramona Carla CIOCINTA, Daniel BUCUR, Maria HARJA , Romania	1
2. VOLATILE ORGANIC COMPOUND EMISSIONS FROM <i>QUERCUS</i> GENUS UNDER ABIOTIC STRESSES, Lucian COPOLOVICI, Andreea PAG, Astrid KÄNNASTE, Daniel TOMESCU, Adina BODESCU, Ülo NIINEMETS , Romania, Estonia	5
3. STUDY REGARDING THE USE OF SLUDGE AND EFFLUENT FROM WASTE WATER PLANTS IN AGRICULTURE, Casen PANAITESCU , Romania.....	9
4. COMPARATIVE STUDIES ON REMEDIATION TECHNIQUES IN LABORATORY OF SOILS CONTAMINATED WITH OIL PRODUCTS, Maria POPA , Romania	13
5. BIOREMEDIATION OF CIMUKA RIVER STREAM BY THE CONSORTIUM OF <i>BACILLUS COAGULANS</i> , <i>BACILLUS PUMILUS</i> , <i>BACILLUS SUBTILIS</i> , <i>PAENIBACILLUS AMYLOLITICUS</i> AND <i>NITROSOMONAS</i> SP., Bambang PRIADIE, Rebiet Rimba RINJANI, Zasty Marisa ARIFIN, Ratu SAFITRI, Nurhidayah IMANDA , Indonesia	17

SUSTAINABLE DEVELOPMENT OF RURAL AREA

1. TOURISM - SOURCE FOR DURABLE RURAL SPACE DEVELOPMENT, Ion CERTAN, Iulia BARCARI , Republic of Moldova	23
2. PREVENTING AND CONTROL OF SOIL EROSION ON AGRICULTURAL LANDS BY ANTIEROSIONAL SHELTER-BELTS, Cristinel CONSTANDACHE, Sanda NISTOR , Romania	29
3. SEISMIC PROTECTION OF INDIVIDUAL BUILDINGS LOCATED IN RURAL AREAS, Daniela DOBRE, Claudiu-Sorin DRAGOMIR, Emil-Sever GEORGESCU , Romania.....	37
4. ENERGETIC AND DYANMIC ANALYSIS OF MODERN AND ORIGINAL MASONRY BUILDINGS, Claudiu-Sorin DRAGOMIR, Alina CODITA, Augustina-Sandina TRONAC , Romania	45
5. TRIAXIAL GEOGRIDS IN ROAD TECHNOLOGY PROGRESS, Valentin FEODOROV , Romania ...	51
6. GREEN ROOF AND LIVING WALL IN THE ROLE OF ECOSYSTEM IN SUSTAINABLE URBAN DWELLING, Zuzana POÓROVÁ, Zuzana VRANAYOVÁ , Slovakia	61
7. LESSONS LEARNED FROM SOIL-STRUCTURE INTERACTION, Ramiro SOFRONIE , Romania ...	67
8. THE DETERMINATION OF WIND-POWERED IRRIGATION POTENTIAL IN TURKEY, Onur TAŞKIN, Gülşah ÜĞLÜ, Hakan BÜYÜKCANGAZ, Ali VARDAR , Turkey	73

DISASTER MANAGEMENT

1. LESSONS TAKEN FROM ITALIAN POST-SEISMIC MANAGEMENT AND THEIR INTEGRATION INTO ROMANIAN ASSESSMENT SISTEM OF BUILDINGS AFTER A STRONG EARTHQUAKE, Claudiu-Sorin DRAGOMIR, Daniela DOBRE, Emil-Sever GEORGESCU , Romania	79
--	----

WATER RESOURCES MANAGEMENT

1. INFLUENCE OF CLIMATE CHANGE ON SURFACE WATER QUALITY IN THE MANECIU – CHEIA AREA, Casen PANAITESCU, Cristinel CONSTANDACHE, Ion Codrut BILEA, Petrisor VICA, AUREL BILANICI, Ion ONUTU , Romania	85
--	----

POLLUTION CONTROL, LAND PLANNING

1. THE HISTORICAL EVOLUTION IMPACT ON THE LAND PROPERTY STRUCTURE AND EXPLOITATION IN AGRICULTURE IN SOME EUROPEAN MEMBER STATES, Ramona DOBRE, MihaelaValentina DRACEA, Alexandru Costin CIRSTEA , Romania	90
2. MOBILITY OF LEAD IN SOILS POLLUTED BY NON-FERROUS METALLURGICAL PLANT IN NORTHWESTERN ROMANIA, Maria Lucia BIZO, Oana Cristina MODOI, Camelia BOTEZAN, Erika-Andrea LEVELI, Alexandru OZUNU , Romania	95
3. STUDY ON THE APPLICATION OF PHYTOREMEDIATION OF CONTAMINATED INDUSTRIAL SITES, Melania-Nicoleta BOROȘ, Valer MICLE , Romania	99
4. INFLUENCE OF THE DEGREE OF CONTAMINATION ON THE EFFICIENCY OF TREATING OIL POLLUTED LOAMY SOILS WITH THERMAL DESORPTION, Dorina POP, Valer MICLE , Romania	107

TOPOGRAPHY AND CADASTRE

1. CREATING THE SOLID 3D MODEL OF A BUILDING USING LASER SCANNING TECHNOLOGY, Doru MIHAI, Catalin Ciprian MARINESCU , Romania	111
--	-----

EARTH OBSERVATION AND GEOGRAPHIC INFORMATION SYSTEMS

1. INDUSTRIAL PARK EVALUATION BASED ON GEOGRAPHICAL INFORMATION SYSTEM TEHNOLOGY AND 3D MODELLING, Andreea CALUGARU , Romania	115
2. APPLICATION OF GIS IN OPTIMIZING THE AGGREGATE COMPOSITION OF THE SOIL, Manol DALLEV, Zhulieta ARNAUDOVA, Ivan IVANOV , Bulgaria	121
3. PIXEL GEOLOCATION ALGORITHM FOR SATELLITE SCANNER DATA, Gabriel POPESCU , Romania	127
4. EFFECT OF CLIMATE CHANGE ON DOBROGEA AGRICULTURAL AREA, Alexandra TRIF, Doru MIHAI , Romania	137

MISCELLANEOUS

1. THE EFFECTS OF THE LIFE ANNUITY PROGRAM ON THE AGRICULTURAL LAND EXPLOITATION AND PROPERTY DIMENSION, Ramona DOBRE, Mihaela Valentina DRACEA, Alexandru Costin CIRSTEA , Romania	141
2. CORIOLIS FORCE AND THE DURABILITY OF INFRASTRUCTURES, Raluca Ioana PASCU , Romania	145
3. ENERGY IN TERMS OF EUROPEAN UNION STRATEGY FOR THE DANUBE REGION, CRISTIANA SIRBU , Romania	151