

## TABLE OF CONTENTS

### SECTION 01. ENVIRONMENTAL ENGINEERING

Paper ID	Authors	Affiliation	Paper Title	Page
01	Silviu BADEA, Andrei Liviu CHIRIȚĂ, Cristian ANDRONE, Bianca Georgiana OLARU	University of Agronomic Sciences and Veterinary Medicine of Bucharest	INDOOR AIR QUALITY ASSESSMENT THROUGH MICROBIOLOGICAL METHODS	12-17
02	Oana BANU, Diana GORGHIU	University of Agronomic Sciences and Veterinary Medicine of Bucharest	EVOLUTIONARY APPS IN AGRICULTURE	18-22
03	Claudiu Ovidiu BARBULESCU, Vlad Gabriel CODESCU	University of Agronomic Sciences and Veterinary Medicine of Bucharest	WATER QUALITY MONITORING FROM THE LAKES ON COLENTINA RIVER	23-30
04	Mihai FRÎNCU, Corina DUMITRACHE, Andrei Cristian DUMITRIU	University of Agronomic Sciences and Veterinary Medicine of Bucharest	PHYSICO-CHEMICAL AND MICROBIAL ANALYSIS OF POND WATER FROM USAMV DENDROLOGICAL PARK - BUCHAREST	31-36
05	Mihai FRÎNCU, Corina DUMITRACHE, Andrei Cristian DUMITRIU	University of Agronomic Sciences and Veterinary Medicine of Bucharest	SOIL FERTILITY ASSESSMENT THROUGH ENZYME ACTIVITY	37-40
06	Iulia Diana GLIGA, Madalina PRESECAN	University of Agronomic Sciences and Veterinary Medicine of Cluj-Napoca	CHOOSING THE OPTIMAL SOLUTION FOR REINTRODUCTION DEGRADED LAND SURFACE INTO THE FOREST CYCLE	41-44
07	Eren KARAKAVUZ	Bülent Ecevit University of Turkey, Environmental Engineering Department	PARTICULATE MATTER SIZE DISTRIBUTION AND COMPONENT ANALYSIS IN BULENT ECEVIT UNIVESITY FARABI CAMPUS, ZONGULDAK, TURKEY	45-48
08	Paul MĂRGINAS, Ervin SCHLESINGER	University of Agronomic Sciences and Veterinary Medicine of Cluj-Napoca	DESIGN OF A PRECAST REINFORCED CONCRETE BRIDGE ON THE „VALEA ROȘIE” MAIN FOREST ROAD, KM 1+110	49-54

09	Dorin TATARU, Andreea STANCI	University of Petrosani	ATMOSPHERIC POLLUTION CAUSED BY RADIOACTIVITY ISSUED BY THE ASH AND SLAG DEPOSITS FROM THE PAROENI THERMAL POWER PLANT	55-58
10	Cristina- Iuliana TOMA	University of Pitesti, Faculty of Sciences	ENVIRONMENT QUALITY IMPROVEMENT AT THE UNIVERSITY OF PITESTI, A FORMER MILITARY SITE	59-62
11	Alikemal TOPALOĞLU	Bülent Ecevit University of Turkey, Environmental Engineering Department	THE USE OF ULTRAFILTRATION MEMBRANE SYSTEMS TO TREAT WASTE WATERS GENERATED FROM HARD COAL MINING	63-66

## SECTION 02. LAND RECLAMATION

Paper ID	Authors	Affiliation	Paper Title	Page
12	Adela Eleonora VISAN, Mihaela RADU, Emine ISMAIL	University of Agronomic Sciences and Veterinary Medicine of Bucharest	NEW DWELLING IN OLD- FASHION MANNER	69-72
13	Ştefan-Silvian CIOBANU	University of Agronomic Sciences and Veterinary Medicine of Bucharest	COLLAPSE SETTLEMENT SENSIBILITY ANALYSIS OF LOESSOID SOILS	73-76
14	Simona SBURATURA, Mihai-Cristian MUSCALU, Ancuta BODIRLAU	University of Agronomic Sciences and Veterinary Medicine of Bucharest	SAFETY STRUCTURAL ASSESSMENT OF REINFORCED CONCRETE BUILDINGS	77-82

## SECTION 03. WATER RESOURCES MANAGEMENT

Paper ID	Authors	Affiliation	Paper Title	Page
15	Adina CIOBANESCU, Georgiana DONE	University of Agronomic Sciences and Veterinary Medicine of Bucharest	ASPECTS OF ADVANCED WASTEWATER PURIFICATION	85-92

## SECTION 04. CADASTRE

Paper ID	Authors	Affiliation	Paper Title	Page
16	Iuliana Andreea APOSTU	University of Agronomic Sciences and Veterinary Medicine of Bucharest	3D MODELING OF A BUILDING FACADE	95-98
17	Andrei ARMAS, Ovidiu Stefan CUZIC	Polytechnic University of Timisoara, Faculty of Civil Engineering	CADASTRAL SURVEYS CONDUCTED WITHIN THE REPUBLIC OF MOLDOVA	99-105
18	Alina BĂLAN, Grigoraș-Mihnea GÎNGIOVEANU-LUPULESCU	University of Agronomic Sciences and Veterinary Medicine of Bucharest	USING GIS TO HELP US MAKE BETTER DECISIONS - MOUNTAIN DESTINATIONS -	106-108
19	Dorinuța BEȘA, Adina Mihaela MORAR, Nicoleta Alina MUREȘAN	University of Agricultural Sciences and Veterinary Medicine of Cluj-Napoca	ASPECTS CONCERNING TOPOGRAPHIC AND GEODETIC WORKS NECESSARY FOR DESIGNING AND DRAWING A CONSTRUCTION	109-114
20	Dumitru-Lucian BLĂGESCU, Ionuț-Alexandru BĂTRÎNACHE	University of Agronomic Sciences and Veterinary Medicine of Bucharest	MATLAB BASED APPROACH OF DECODING EGNOS MESSAGE	115-120
21	Alina BUZILĂ, Bogdan Ioan CIOBAN, Marcela Ionela HANDRO, Adrian Șerban PETRIC	University of Agricultural Sciences and Veterinary Medicine of Cluj-Napoca	ASPECTS OF SOLVING THE BASIC GEODETIC PROBLEM ON THE SPHERE	121-125
22	Ionut CAMPIAN, Tudor Alexandru FLOREA, Tania VRANCEANU, Mircea VUSCAN	University of Agricultural Sciences and Veterinary Medicine of Cluj-Napoca	SETTING THE REDUCE CORRECTIONS AT THE CHORD, FOR DIRECTIONS IN THE CASE OF THE 1970 STEREO PROJECTION	126-129
23	Răzvan Alex CIORBĂ, Radu Alexandru CREȚU, Mircea Emil NAP, Andreea Carmen ZAGOR	University of Agronomic Sciences and Veterinary Medicine of Cluj-Napoca	ESTABLISHING THE SPHERICAL EXCESS FOR THE GEODETIC NETWORKS OF THE THIRD ORDER	130-132
24	Alexandra-Maria DAMIAN,	University of Agronomic Sciences and Veterinary	CADASTRE IN EUROPE	133-137

	Andreea-Maria STANCU	Medicine of Bucharest		
25	Andrei Georgian DRAGHICI, Ioana VATRA	University of Agronomic Sciences and Veterinary Medicine of Bucharest	EVOLUTION OF HIGH SCHOOL EDUCATION IN IALOMITA COUNTY	138- 141
26	Alina DUMITRU, Andra Maria DINOIU	University of Agronomic Sciences and Veterinary Medicine of Bucharest	ESTIMATING DEFORMATIONS OF GIURGIU-RUSSE BRIDGE SUPERSTRUCTURE USING ANALYTICAL PHOTOGRAMMETRY	142- 146
27	Mihnea Mircea MITRACHE, Georgiana Maria MOTOI, Oana PIELEȘTEANU	University of Craiova, Faculty of Agriculture and Horticulture	TECTONIC PLATES: STUDY OF MOVEMENT AND DEFORMATION - AREA VRANCIOAIA	147- 154
28	Teodora MOTOCESCU, Alexandru MIHALCEA, Dragos DRAGANESCU, Dan MOCANU	University of Agronomic Sciences and Veterinary Medicine of Bucharest	ROMANIA-THE LAND OF MYSTERY	155- 158
29	Rares Catalin OROS, Diana- Ioana PLOSCARIU, Razvan Casian REBREAN, Vasile Beniamin TOLOMEIU	University of Agricultural Sciences and Veterinary Medicine of Cluj-Napoca	COMPARATIVE ANALYSIS REGARDING THE ACCURACY DETERMINATION OF A POINT, USING THE LINEAR INTERSECTION METHOD AND MULTIPLE COMBINED INTERSECTIONS METHOD	159- 164
30	Grațîela PASCAL, Ioana Georgiana TEPUȘ, Anamaria Cătălina SALE, Raluca Elena TĂUTU	University of Agricultural Sciences and Veterinary Medicine of Cluj-Napoca	ASPECTS REGARDING THE PROJECTION OF TOPOGRAPHIC ELEMENTS FROM THE TOPOGRAPHIC SURFACE ON THE REFERENCE SURFACE	165- 169
31	Claudia PRĂJANU	Transilvania University of Brașov, Faculty of Silviculture and Forest Engineering	FACTORS THAT AFFECT THE PRECISION OF POINT COORDINATES TAKEN WITH GPS EQUIPMENT IN MOUNTAIN AREA OF	170- 178

BRAȘOV COUNTY				
32	Codruța-Rozica SILVĂȘAN- PAȘCA, Simona- Lenuța MLEȘNIȚE	University of Agricultural Sciences and Veterinary Medicine of Cluj-Napoca	STUDIES REGARDING THE DETERMINATION OF GEOMETRIC DIMENSIONS AND GEOMETRICAL DEVIATIONS COMPARING WITH THE PROJECTED ONES FOR FUEL TANKS	179- 184
33	Raluca Veronica ȘERBAN	Transilvania University of Brasov, Faculty of Silviculture and Forest Engineering	EXTENSION OF THE WATER NETWORK IN THE TOWN HOLBAV TECHNICAL AND LEGAL ASPECTS	185- 191
34	Daniela TRANA	“1 Decembrie 1918” University of Alba-Iulia	3D MODELLING	192- 196

#### SECTION 05. FUNDAMENTAL SCIENCES

Paper ID	Authors	Affiliation	Paper Title	Page
35	Ana ALEXANDRU	University of Agronomic Sciences and Veterinary Medicine of Bucharest	METHODS OF APPROXIMATING THE RIEMANN INTEGRALS AND APPLICATIONS	199- 206
36	Catalin BOTEAA, Daniel Ionut CARAMIDARU	University of Agronomic Sciences and Veterinary Medicine of Bucharest	ENERGETIC EFFICIENCY OF PUMPING STATION	207- 210