

UNIVERSITY OF AGRONOMIC SCIENCES
AND VETERINARY MEDICINE OF BUCHAREST

International Conference
“Agriculture for Life, Life for Agriculture”

CONFERENCE PROGRAMME

JUNE 4 – 6, 2026

BUCHAREST



Section 5

**LAND RECLAMATION, EARTH
OBSERVATION & SURVEYING,
ENVIRONMENTAL ENGINEERING**

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LAND RECLAMATION, EARTH OBSERVATION & SURVEYING,
ENVIRONMENTAL ENGINEERING SECTION**

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VENUE

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DETAILED PROGRAMME

Day 1 – Thursday, June 4

Session Moderators:

Ph.D. Sigurd SANNAN, SINTEF Energy Research, Norway

Prof. Ph.D. Habil. Lucian COPOLOVICI, "Aurel Vlaicu" University of Arad

Assoc. Prof. Ph.D. Ovidiu Ionut JERCA, USAMV of Bucharest

Time	Authors	Paper Title
14:30 – 14:45	<i>Official Opening of the Conference Section</i>	<i>FIFIM Building, 2nd Floor, AII2</i>
14:45 – 16:05	<i>Paper presentation - Session I</i>	<i>FIFIM Building, 2nd Floor, AII2</i>
14:45 – 15:05	Keynote Speaker Sigurd SANNAN	DEVELOPMENTS IN HEAT PUMP TECHNOLOGIES
15:05 – 15:15	Alexandru Florin SIMION, Angelica Nicoleta GAMAN, Sorin Victor SIMION, Marius Emilian KOVACS	PHOTOCHEMICAL DEGRADATION OF IMIDACLOPRID IN WATER UNDER UV RADIATION THROUGH CFD MODELING
15:15 – 15:25	Bogdan ILIE, Ana BUTCARU, Tiberiu ION, Ovidiu Ionut JERCA	A LOW-COST, OPEN-SOURCE APPROACH FOR SENSOR-BASED LIGHT MANAGEMENT IN PROTECTED CULTIVATION SYSTEMS
15:25 – 15:35	Patricia MOCANU, Adriana PIENARU, Dragos DRACEA	THE INFLUENCE OF THE ROUGHNESS OF TRAPEZOIDAL IRRIGATION CHANNELS ON WATER LOSSES
15:35 – 15:45	Ioana-Loredana GHIURCO, Carla-Maria APARASCHIVE, Adela-Maria NEAG, Iulia-Ecaterina MORA, Păunița BOANCĂ, Sonia BODEA, Denisa JUCAN, Catalina DAN, Adriana F. SESTRAS	TREE COMMUNITY PATTERNS IN RELATION TO EDGE INFLUENCE IN A PERI-URBAN FOREST NEAR CLUJ-NAPOCA, ROMANIA

Time	Authors	Paper Title
15:45 – 15:55	Carla-Maria APARASCHIVE, Alina M. TRUTA, Irina M. MORAR, Tania MIHAIESCU, Claudia BALINT, Alexandra MURESAN, Catalina DAN, Adriana F. SESTRAS	MINERAL COMPOSITION OF <i>VACCINIUM VITIS-IDAEA</i> FRUITS ACROSS DIFFERENT MOUNTAIN HABITATS
15:55 – 16:05	Daniel TOADERE, Nicoleta ILIEȘ, Ioan PETRAN	GEOTECHNICAL ENGINEERING AND SOIL MANAGEMENT: LEGAL GAPS AND ENVIRONMENTAL CONSIDERATIONS
16:05 – 16:30	<i>Coffee break</i>	
16:30 – 17:00	Paper presentation - Session II	FIFIM Building, 2nd Floor, AII2
16:30 – 16:40	Adriana-Magdalena PIENARU, Dragos DRACEA	THE USE OF PHOTOVOLTAIC ENERGY IN IRRIGATION SYSTEMS
16:40 – 16:50	Flavia BORTES, Lucian COPOLOVICI, Cristian MOISA, Andreea LUPITU, Dana COPOLOVICI	THE DUAL CHALLENGE OF CO ₂ AND OZONE: INSIGHTS INTO PHOTOSYNTHESIS, VOC EMISSION AND BIOCHEMICAL RESPONSES
16:50 – 17:00	Marta Cristina ZAHARIA, Augustina Sandina TRONAC, Claudiu Sorin DRAGOMIR	LABORATORY STUDIES AND MEASUREMENTS FOR THE IDENTIFICATION OF THE ACOUSTIC FOOTPRINT AND THE IMPACT NOISE PRODUCED BY WALKING OF PERSONS WEARING DIFFERENT TYPES OF FOOTWEAR
17:00 – 18:00	Poster Session I and discussions <i>Session Moderators:</i> <i>Assoc. Prof. Ph.D. Constanta MIHAI, USAMV of Bucharest</i> <i>Lect. Ph.D. Simona MARCU-SPINU, USAMV of Bucharest</i>	
19.00 – 21.30	<i>Official Gala Dinner, Ceres Restaurant, USAMV Campus</i>	

Day 2 – Friday, June 5

FIFIM Building, 2nd Floor, AII2

Session Moderators:

Ph.D. Cristian PETCU, URBAN-INCERC

Assoc. Prof. Ph.D. Tatiana OLINIC, USAMV of Bucharest

Time	Authors	Paper Title
08:00 – 09:00	<i>Arrival and registration of participants</i>	<i>FIFIM Building, 2nd Floor</i>
09:00 – 11:00	<i>Opening session and Paper presentation - Session III</i>	<i>FIFIM Building, 2nd Floor, AII2</i>
09:00 – 09:20	Keynote Speaker C. Marcelo CEVALLOS VALLEJOS	PLASTIC MULCHING STRATEGIES FOR IMPROVING ANDEAN CROP PRODUCTION IN ECUADOR
09:20 – 09:40	Keynote Speaker Octavian Laurentiu BALOTA	LiDARMAP: A NEW STEREO-BASED APPROACH FOR FAST 3D FEATURE EXTRACTION FROM LIDAR DATA
09:40 – 09:50	Izabella MARIN LAZAR	ASPECTS REGARDING CLIMATE RESILIENCE AND URBAN HEAT ISLAND EFFECT MITIGATION IN URBAN AREAS RENOVATION PROJECTS
09:50 – 10:00	Cristiana SIRBU	THE FUTURE OF SUSTAINABLE DEVELOPMENT IN THE CONTEXT OF ARTIFICIAL INTELLIGENCE
10:00 – 10:10	Daniel-Marcel MANOLI, Alina TATOMIR, Elena-Mihaela STAN, Cristian-Stefan BARBU, Andrei-Dan SABAU	THERMAL AND MECHANICAL PERFORMANCE OF GROUTING MATERIALS IN GEOTHERMAL BOREHOLES: IMPLICATIONS FOR HEAT TRANSFER EFFICIENCY AND ENVIRONMENTAL PERSPECTIVE

Time	Authors	Paper Title
10:10 – 10:20	Bogdan ILIE, Ana BUTCARU, Tiberiu ION, Ovidiu Ionut JERCA	INTERNAL AIR RECIRCULATION FOR CONDENSATION RISK CONTROL IN PASSIVE SOLAR GREENHOUSES
10:20 – 10:30	Stefan Florin BALAN, Bogdan Felix APOSTOL	OPTIONAL MEASURES TO PROTECT HERITAGE BUILDINGS FROM SEISMIC VULNERABILITY
10:30 – 10:40	Helmuth KÖBER, Marina STOIAN	A DATA-DRIVEN ANALYSIS BRACED FRAMES
10:40 – 10:50	Daniel-Marcel MANOLI, Nicolae RADULESCU- SINGURAN, Adrian Alexandru SAVU, Elena-Mihaela STAN, Cristian-Stefan BARBU	INFLUENCE OF CONSTITUTIVE MODELS ON DEEP EXCAVATIONS: A COMPARATIVE STUDY
10:50 – 11:00	Aurelian GRUIN, Sorin DAN, Cornelia BAERA, Bogdan BOLBOREA, Ana Cristina VASILE, Claudiu-Sorin DRAGOMIR, Evelin-Anda LAZA	CORRELATION BETWEEN DENSITY, ULTRASONIC PULSE VELOCITY AND DRYING SHRINKAGE IN ECO-CLAY POURED-EARTH

Session Moderators:

Prof. Ph.D. Raluca MANEA, USAMV of Bucharest

Lect. Ph.D. Octavian Laurentiu BALOTA, USAMV of Bucharest

Time	Authors	Paper Title
11:00 – 11:30	<i>Coffee break</i>	
11:30 – 13:30	<i>Paper presentation - Session IV</i>	<i>FIFIM Building, 2nd Floor, AII2</i>
11:30 – 11:40	Ioan BOTI	REINFORCEMENT SHAPE AS A KEY DESIGN VARIABLE FOR SUSTAINABLE PLASTIC FIBER- REINFORCED CONCRETE IN AGRICULTURAL CONSTRUCTIONS FLOORS AND SLABS: A NUMERICAL AND EXPERIMENTAL APPROACH

Time	Authors	Paper Title
11:40 – 11:50	Silvia CHIOREAN, Tudor SĂLĂŢEAN, Mircea-Emil NAP, Ioana POP, Florica MATEI, Răzvan PLOSCAR, Steluța-Maria ȘÎNGEORZAN	DIGITAL TRANSFORMATION OF TREE INVENTORY THROUGH GIS: OPTIMIZING FORESTRY PROCESSES VIA SPATIAL DATA COLLECTION, INTEGRATION AND ANALYSIS
11:50 – 12:00	Alina Georgiana CISLARIU, Ionut Cosmin SANDRIC, Dragos Stefan MANTOIU, Clara Daniela MIHAI, Mioara DUMITRASCU, Ciprian Claudiu MANZU	LINKING FIELD VEGETATION DATA AND UAV OBSERVATIONS FOR HABITAT CONDITION ASSESSMENT IN NATURA 2000 GRASSLANDS
12:00 – 12:10	Iulia COROIAN, George CIOLPAN, Diana FICIOR, Teodor RUSU, Ancuta ROTARU	INTEGRATION OF GIS TECHNOLOGY IN THE PROCESS OF IDENTIFYING SUITABLE AREAS FOR THE CONSTRUCTION OF PARKING LOTS
12:10 – 12:20	Tudor SALAGEAN, Ioana POP, Florica MATEI, Silvia CHIOREAN, Mircea-Emil NAP, Catalin-Stefanel SABOU, Catalina MOSNEAG	HIGH-DENSITY AIRBORNE LIDAR POINT CLOUD FOR DIGITAL TERRAIN MODELS IN SMALL STREAM ASSESSMENT AND REHABILITATION
12:20 – 12:30	Karoly Alexandru RACZ, Claudia Simona TIMOFTE, Nicu Cornel SABĂU	LAND USE CHANGES INDUCED BY CONSTRUCTION MATERIAL EXTRACTION IN SURFACE QUARRIES WITHIN THE INEU ADMINISTRATIVE TERRITORY (BIHOR COUNTY, ROMANIA)

Time	Authors	Paper Title
12:30 – 12:40	Mircea NAP, Tudor SĂLĂGEAN, Silvia CHIOREAN, Ioana POP, Florica MATEI, Cătălin VÂRBAN, Elemer Emanuel ȘUBA	HIGH-RESOLUTION MAPPING OF VEGETATION TYPES, STRUCTURE, HEIGHT, AND DENSITY IN THE UASVM CLUJ-NAPOCA CAMPUS USING LIDAR, PHOTOGRAMMETRY AND MULTISPECTRAL SENSING
12:40 – 12:50	Adina NITULESCU	DEFORESTATION PREDICTIONS IN NORTHERN ROMANIA USING LONG SHORT-TERM MEMORY NETWORKS
12:50 – 13:00	Gabriel BADESCU, Mihail SUSINSKI, Cristian VASILE, Emilia CONSTANTINESCU, Petre SĂVESCU, Gabriel TĂNASIE	INTEGRATED COMPENSATION OF TERRESTRIAL GEODETIC AND GNSS NETWORKS USING A MODULAR 3D SOFTWARE PLATFORM. CASE STUDY: UCC MĂNECIU NETWORK.
13:00 – 13:10	Ioana Delia POP, Tudor SALAGEAN, Mircea - Emil NAP, Elemer - Emanuel SUBA, Cristian MALINAS, Lucia - Adina TRUTA, Silvia CHIOREAN, Ferenc KAITAR, Adela - Maria NEAG, Florica MATEI	THE ALGORITHMIC LANDSCAPE OF AI BASED LAND USE INTERPRETATION
13:10 – 13:20	Cristina CĂLIN, Răzvan Lucian VOICU, Sorin Mihai CÎMPEANU	GIS-BASED SCREENING OF ROAD-INDUCED SPATIAL FRAGMENTATION IN NATURA 2000 SITES IN ROMANIA
13:20 – 13:30	Răzvan Lucian VOICU, Cristina CĂLIN, Sorin Mihai CÎMPEANU	GIS-BASED NOISE MAPPING OF NATURA 2000 SITES EXPOSED TO A1 MOTORWAY TRAFFIC IN ROMANIA
13:30 – 14:30	<i>Lunch</i>	

Session Moderators:

Lect. Ph.D. Andreea-Miruna CODREANU, UGAL

Lect. Ph.D. Roxana SALCIANU, USAMV of Bucharest

Time	Authors	Paper Title
14:30 – 17:10	<i>Paper presentation - Session V</i>	<i>FIFIM Building, 2nd Floor, AII2</i>
14:30 – 14:40	George-Marius CIOLPAN, Iulia COROIAN, Luisa ANDRONIE, Rodica SOBOLU, Teodor RUSU, Andrei MARTIN	CASE STUDY ON THE ANALYSIS OF GREEN SPACES IN THE URBAN AREA OF CLUJ-NAPOCA USING ARCGIS PRO
14:40 – 14:50	Peter UDVARDY, Levente DIMÉN, Gergely VAKULYA	COST EFFECTIVE SYSTEM FOR HUMAN PRESENCE DETECTION IN RURAL ENVIRONMENT
14:50 – 15:00	Maria POPA	CORRELATION BETWEEN THE PHYSICAL PROPERTIES AND NPK NUTRIENT CONTENT OF ORCHARD SOILS FOR THE SELECTION OF APPROPRIATE SOIL DECONTAMINATION TECHNOLOGIES
15:00 – 15:10	Claudiu-Denis FILIP, Mirela Ana COMAN	MOBILITY AND TOXICOLOGICAL RELEVANCE IN THE EVALUATION OF HEAVY METAL TRANSFER FROM SOIL TO PLANTS
15:10 – 15:20	Lucian COPOLOVICI, Brenda SVINTI, Flavia BORTES, Cristian MOISA, Andreea LUPITU, Dana COPOLOVICI	IMPACT OF ANTIBIOTIC- CONTAMINATED WASTEWATER IRRIGATION ON PHOTOSYNTHETIC PERFORMANCE AND STRESS RESPONSES IN <i>BRASSICA OLERACEA</i>
15:20 – 15:30	Cristinel CONSTANDACHE, Ciprian TUDOR, Laurențiu POPOVICI, Raul RADU	CARBON STORAGE IN FOREST STANDS ON DEGRADED LANDS

Time	Authors	Paper Title
15:30 – 15:40	Georgi PATRONOV, Diana KIRIN, Kenan SEZER, Petya ZAHARIEVA, Radoslava ZAHARIEVA	ANTHROPOGENIC AIR POLLUTION IN URBAN AREAS
15:40 – 15:50	Marilena ONETE, Florian Paul BODESCU, Roxana-Georgiana NICOARĂ, Minodora MANU, Monica Angela NEBLEA	NATURA 2000 SITE DEALURILE STREHAIA– BÂTLANELE - UPDATED INFORMATION ON SPECIES AND HABITATS OF COMMUNITY INTEREST
15:50 – 16:00	Maria ȘEVERA, Mirela COMAN	ON THE IMPORTANCE OF ENVIRONMENTAL FACTOR PROTECTION IN KEY AREAS OF THE BORDER ZONE. CASE STUDY ROMÂNIA-UCRAINA, MARAMUREȘ MOUNTAINS
16:00 – 16:10	Cornelia BAERA, Aurelian GRUIN, Ana Cristina VASILE, Caius LUMINOSU, Ana-Andreea MIHARTESCU, Alexandra Marina BARBU	FROM WASTE TO RESOURCE: IMPLEMENTING SPENT GARNET (SG) AS A PARTIAL FINE AGGREGATE IN CEMENT-BASED MATERIALS – TECHNICAL, LEGAL AND COMMERCIAL PERSPECTIVES
16:10 – 16:20	Bilyana GRIGOROVA- PESHEVA, Asen PESHEV, Georgi KADINOV, Ekaterina TODOROVA, Boyka MALCHEVA	DYNAMICS OF AIRBORNE MICROORGANISMS ACCORDING TO ENVIRONMENTAL CONDITIONS
16:20 – 16:30	Ana-Cristina VASILE, Raul ZAHARIA, Cornelia BAERA, Aurelian GRUIN, Paula SFIRLOAGA, Adelin STIRB, Alexandru ION	VALORIZATION OF STEEL FURNACE SLAG FOR CONSTRUCTION APPLICATIONS: TECHNICAL CHALLENGES AND OPPORTUNITIES

Time	Authors	Paper Title
16:30 – 16:40	Anca MANOLESCU, Ionut STANESCU, Paul DANCA	ASSESSING THERMAL AND LIGHTING CONDITIONS IN UNIVERSITY TEACHING SPACES THROUGH FIELD MEASUREMENTS AND STANDARDIZED SURVEYS
16:40 – 16:50	Paula POP, Vlad STOIAN, Bianca POP, Alexandra GHEORGHITA, Roxana VIDICAN	THE USE OF FUNCTIONAL APPROACHES TO ANALYZE THE DIFFERENCES IN LAKE WATER MICROBIOME ASSEMBLAGES
16:50 – 17:00	Nicolae ALBOIU, Daniel CORNEA, Georgiana Daniela VULPE	RESEARCH ON FREE SURFACE ENERGY DISSIPATION
17.00 – 17.10	Lia STELEA, Alexandra-Constanța DUDU, Corina AVRAM, Marius-Bogdan BĂRĂITĂREANU, Andrei-Gabriel DRAGOȘ, Gabriel IORDACHE	SEASONAL VARIATION OF CO ₂ SOIL FLUX AND VEGETATION RESPONSE AT BODOC AND BĂILE LĂZĂREȘTI
17:10 – 18:00	<i>Coffee break / Poster Session II and discussions</i> <i>Session Moderators:</i> <i>Assoc. Prof. Ph.D. Constanta MIHAI, USAMV of Bucharest</i> <i>Lect. Ph.D. Simona MARCU-SPINU, USAMV of Bucharest</i>	
18:00 – 18:30	Final Discussions and Conclusions	

POSTER PRESENTATIONS

ENVIRONMENTAL SCIENCE AND ENGINEERING

No.	Authors	Paper Title
1	Traian Ciprian STROE, Oana MIHAI FLOREA, Liliana PANAITESCU	EVALUATION OF THE PERFORMANCE OF WHEAT VARIETIES UNDER MINIMUM TILLAGE SYSTEM IN THE PEDOCLIMATIC CONDITIONS OF SĂCELE AREA, CONSTANȚA COUNTY (2021-2024)
2	Paula COJOCARU, Alexandra-Andreea STRUNGARU, Gabriela BIALI, Maria-Cătălina PASTIA	<i>DAPHNIA MAGNA</i> INDICATOR OF WATER POLLUTION WITH ZINC
3	Aleksandra BENSA, Nikolina JURKOVIĆ BALOG, Aleksandra PERČIN	EFFECT OF SOIL TYPE AND MANAGEMENT ON POTENTIALLY TOXIC ELEMENTS (As, Cu, Zn) IN SOILS OF OLIVE GROVES IN DALMATIA, CROATIA
4	Mihaela MARILENA, Simona NEAGU	HYDROCARBON TOLERANCE AND BIODEGRADATION IN ENVIRONMENTAL <i>PSEUDOMONAS</i> STRAINS
5	Cristina Alina DUMITRACHE	FOREWARNING ON SOME POLLUTANTS AND THEIR EFFECTS ON WATERFOWL
6	Simona NEAGU, Mihaela Marilena STANCU	PHYSICOCHEMICAL STABILITY AND EMULSIFYING ACTIVITY OF A BIOSURFACTANT OF SALINE ORIGIN
7	Mihaela PREDA, Veronica TĂNASE, Nicoleta Olimpia VRÎNCEANU, Florența JAFRI	OCCURRENCE AND LEVELS OF HAZARDOUS ORGANIC COMPOUNDS IN SOILS FROM INDUSTRIAL AREAS

No.	Authors	Paper Title
8	Cristina MOISESCU, Ovidiu S. STOICAN, Ana Valentina ZAMFIRESCU, Mihaela Marilena STANCU	INACTIVATION OF GRAM- POSITIVE AND GRAM-NEGATIVE BACTERIA BY USING ARGON COLD ATMOSPHERIC PRESSURE PLASMA
9	Irina POPA, Vasilica VASILE, Claudiu-Sorin DRAGOMIR, Cristian GRIGORASENCO	PHYSICAL AND MECHANICAL CHARACTERISTIC ASPECTS FOR CLADDING PRODUCTS BASED ON RICE HUSKS AND HEMP STALKS
10	Ana-Valentina ZAMFIRESCU, Cristina MOISESCU, Sorin ȘTEFĂNUȚ, Miruna-Maria ȘTEFĂNUȚ, Ana-Maria MOROȘANU	CULTIVABLE MICROALGAE FROM PEATLAND WATERS: MORPHOLOGICAL FEATURES AND PIGMENT PROFILES
11	Irina POPA, Vasilica VASILE, Claudiu-Sorin DRAGOMIR, Alexandra-Marina BARBU	BIOMATERIALS – BASED COATINGS WITH INDOOR EMISSION CONTROL PROPERTIES
12	Sorin MATEI, Gabi Mirela MATEI, Sorina DUMITRU, Victoria MOCANU, Monica DUMITRAȘCU	THE INFLUENCE OF INOCULATION WITH SYNTHETIC MICROBIOMES ON THE EVOLUTION OF SOIL CARBON SEQUESTRATION UNDER THERMAL STRESS
13	Mircea SĂLCUDEAN, Maria POPA, Mirel GLEVITZKY, Daniela ONITA, Mihai Teopent CORCHES	DETERMINATION OF CONCRETE PERMEABILITY WITH CERAMIC WASTE CONTENT
14	Mircea SĂLCUDEAN, Mihai Teopent CORCHES, Maria POPA, Mirel GLEVITZKY	DETERMINATION OF SPLITTING TENSILE STRENGTH OF PAVING BLOCKS CONTAINING CERAMIC WASTE
15	Mircea SĂLCUDEAN, Maria POPA, Mirel GLEVITZKY, Mihai Teopent CORCHES	EXPERIMENTAL STUDY ON BRICKS MADE WITH BRICK WASTE AND SAWDUST

No.	Authors	Paper Title
16	Violina ANGELOVA, Maria IHTYAROVA	POTENTIAL OF SELECTED AROMATIC ASTERACEAE SPECIES FOR PHYTOREMEDIATION OF HEAVY METAL-CONTAMINATED SOILS
17	Violina ANGELOVA	NICKEL SPECIATION AND BIOAVAILABILITY IN SERPENTINE SOILS OF THE EASTERN AND SOUTHERN RHODOPES, BULGARIA
18	Adrian-Victor LAZARESCU, Andreea HEGYI	PRELIMINARY ASSESSMENT OF PHOTOCATALYTIC PERFORMANCE POTENTIAL IN TiO ₂ -MODIFIED BI-LAYER GEOPOLYMER PAVING BLOCKS
19	Mirela Laura IEREMCIUC, Ioan DAVID, Camelia STEFANESCU, Mihai NEGURA, Dorina-Gabriela IONESCU, Mircea VISESCU	HYBRID RENEWABLE ENERGY SUPPLY SYSTEM- STORAGE REQUIREMENTS CONSIDERING SEASONAL VARIATION OF PV OUTPUT
20	Carmen BALTATU, Gabriel Valentin GHEORGHE, Dragos MANEA, Larisa-Bianca IONICA	TECHNICAL FRAMEWORK FOR SUSTAINABLE VALORIZATION OF VINEYARD BY-PRODUCTS THROUGH SMALL-SCALE PROCESSING TECHNOLOGIES
21	Maria Catalina TOPA, Gabriel MURARIU, Maxim ARSENI, Puiu Lucian GEORGESCU, Catalina ITICESCU	HOLISTIC ASSESSMENT OF HEAVY METAL BIOACCUMULATION IN AQUATIC BIOTIC AND ABIOTIC COMPARTMENTS
22	Maria Daniela MIHAILA IONICA, Madalina CALMUC, Andreea - Veronica BOTEZATU, Catalin PLATON, Bianca FURDUI, Lucian Puiu GEORGESCU, Rodica Mihaela DINICA, Catalina ITICESCU	<i>IRIS PSEUDACORUS</i> : A PROMISING NATURE-BASED SOLUTION FOR AQUATIC PHYTOREMEDIATION

No.	Authors	Paper Title
23	Andreea DOROFTE, Ira-Adeline SIMIONOV, Ștefan-Mihai PETREA, Catalin PLATON, Puiu Lucian GEORGESCU, Catalina ITICESCU	BACTERIAL MICROBIOTA IN AQUATIC ENVIRONMENTS AND THE BIODEGRADATION POTENTIAL OF SUSTAINABLE MATERIALS: INSIGHTS INTO ENVIRONMENTAL FATE - A REVIEW
24	Andreea-Miruna CODREANU, Stefania Adelina MILEA, Cristina Mihaela LUNTRARU, Alin Constantin DÎRȚU, Puiu Lucian GEORGESCU, Catalina ITICESCU	MOISTURE-LIPID RELATIONSHIPS IN MUSCLE TISSUE OF FRESHWATER FISH SPECIES AS INDICATORS OF ECOLOGICAL STATUS IN THE LOWER DANUBE RIVER
25	Stefania-Adelina MILEA, Valentina-Andreea CALMUC, Andreea-Miruna CODREANU, Catalina ITICESCU, Puiu-Lucian GEORGESCU, Silvia DRAGAN	TRACING PESTICIDES AND PHARMACEUTICALS IN WATER AND SEDIMENTS OF THE DANUBE DELTA
26	Dinu GIRNET, Lorena DELEANU, Gabriel MURARIU, Laura DANILESCU, Romana DRASOVEAN	STUDY OF THE DYNAMICS OF SOME WATER QUALITY PARAMETERS IN THE PRUT RIVER AREA DURING 2014-2023
27	Mădălin CRISTEA, Adrian ROȘU, Sorin FRĂȘÎNĂ, Daniel-Eduard CONSTANTIN, Mirela VOICULESCU, Lucian - Puiu GEORGESCU, Silvia DRĂGAN	SEASONAL AND DIURNAL DYNAMICS OF SIZE-RESOLVED PARTICULATE MATTER IN AN URBAN AREA OF GALAȚI, ROMANIA, BASED ON CONTINUOUS RAPID-E MONITORING
28	Asen PESHEV	INTERRELATIONSHIP BETWEEN SOIL MICROORGANISMS AND AIRBORNE MICROFLORA IN URBAN ENVIRONMENT

No.	Authors	Paper Title
29	Sorin ANGHEL, Andrei Gabriel DRAGOS, Gabriel IORDACHE, Bogdan Marius BARAITAREANU, Constanta Alexandra DUDU	INVESTIGATION OF HYDROCARBON POLLUTION IN THE OIL TERMINAL CONSTANȚA AREA USING ELECTRICAL RESISTIVITY METHODS AND HYDROSTATIC REGIME ANALYSIS
30	Andrei-Daniel GEMAN, Andreea-Loredana COMANESCU, Apetrei CONSTANTIN, Catalina ITICESCU, Puiu-Lucian GEORGESCU	ELECTROCHEMICAL SENSORS FOR DETECTING ENVIRONMENTAL POLLUTANTS - A REVIEW
31	Irina TOMASU, Mihaela DRAGOI CUDALBEANU, Simona MARCU- SPINU, Zina PARASCHIV, Augustina Sandina TRONAC, Alina ORTAN	MONITORING ENVIRONMENTAL QUALITY VIA NITRATE ACCUMULATION IN GREENHOUSE LETTUCE (<i>LACTUCA SATIVA L.</i>)
32	Alexandra-Marina BARBU, Aurelia BRADU, Claudiu-Sorin DRAGOMIR, Augustina-Sandina TRONAC	SUSTAINABLE UNFIRED CLAY MASONRY INCORPORATING AGRICULTURAL WASTE: PHYSICAL AND MECHANICAL PROPERTIES
33	Melania GHEREG, Ioana Cătălina NICOLAE, Maria TABĂRA, Natalia ONICA, Nina CHIORCHINĂ, Liliana BĂDULESCU	<i>IN VITRO</i> PROPAGATION FOR THE CONSERVATION OF SUMMER SNOWFLAKE (<i>LEUCOJUM AESTIVUM L.</i>): PRELIMINARY RESULTS
34	Tatiana GROPA, Ioana-Cătălina NICOLAE, Ion ROȘCA	<i>IN VITRO</i> PROPAGATION OF EUONYMUS FORTUNEI CULTIVARS FOR SUSTAINABLE URBAN GREENING AND DEGRADED LAND REHABILITATION

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2	Mihai Teopent CORCHES, Mirel GLEVITZKY, Mircea SĂLCUDEAN	THE CHALLENGES OF CLIMATE CHANGE ADAPTATION IN ROMANIA'S LAND RECLAMATION SYSTEMS: BETWEEN GREY INFRASTRUCTURE AND NATURE- BASED SOLUTIONS
3	Adrian SIMION	CASE STUDY ON THE ASSESSMENT OF THE EFFECTS OF CONTROLLED BLASTING DEMOLITION ON NEARBY BUILDINGS
4	Iolanda-Gabriela CRAIFALEANU, Claudiu Sorin DRAGOMIR, Daniela DOBRE, Emil-Sever GEORGESCU, Alexandra-Marina BARBU	SEISMIC RESPONSE ANALYSIS OF A LONG-TERM MONITORED BUILDING USING CO-LOCATED STRUCTURAL AND FREE-FIELD RECORDS
5	Cristian PETCU, Andreea HEGYI, Horia PETRAN, Florin BĂLTĂREȚU	INFLUENCE OF TESTING METHODS ON THERMAL PERFORMANCE CHARACTERIZATION OF SHEEP WOOL-BASED INSULATION

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7	Flavia Malina CIOFLAN, Călin Ioan IOVAN, Sorin Lucian DOROG, Călin Gheorghe PĂȘCUȚ, Eugenia ȘERBAN	ASPECTS RELATED TO VEGETATION SUCCESSION, ON AGRICULTURAL LANDS, IMPROPERLY EXPLOITED AND ABANDONED, AFFECTED BY DROUGHT IN NON-COLLECTIVIZED AREAS
8	Daniela DOBRE, Iolanda-Gabriela CRAIFALEANU, Claudiu-Sorin DRAGOMIR, Emil-Sever GEORGESCU, Cornelia-Florentina DOBRESCU	A DATA-DRIVEN ANALYSIS OF SEISMIC RESPONSE AND STRUCTURAL PERFORMANCE
9	Adrian SIMION, Augustina Sandina TRONAC, Claudiu Sorin DRAGOMIR, Laurentiu Denis CHERPEC	COMPARATIVE STUDY ON DETERMINING THE FIRE RESISTANCE OF MASONRY WALLS
10	Alexandru DIMACHE, Iulian IANCU	A NOVEL CONCEPT FOR A SUBMERGED WAVE ENERGY CONVERTER

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1	Mirela Madalina MOLDOVEANU, Larisa Isabela FLORESCU, Raluca Alexandra MIHAI, Cristian BANCIU, Maria Iasmina MOZA, Doru Simion DOBRE, Cristina Alina DUMITRACHE, Rodica Daniela CATANA	XRF-BASED ASSESSMENT OF ELEMENT ACCUMULATION IN <i>PHRAGMITES AUSTRALIS</i> ACROSS FRESHWATER, URBAN, AND SALINE AQUATIC ECOSYSTEMS: IMPLICATIONS FOR NATURAL FILTRATION AND ENVIRONMENTAL RISK

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2	Anca Ioana LUCACI, Larisa Isabela FLORESCU, Mirela Mădălina MOLDOVEANU, Roxana Lucia COJOC	MICROBIAL PATTERNS IN URBAN AND PERI-URBAN LAKES FROM SOUTHERN ROMANIA: IMPLICATIONS FOR WATER QUALITY AND ECOSYSTEM HEALTH
3	Karoly Alexandru RACZ, Emilia Valentina PANTEA, Nicu Cornel SABĂU	PHYSICOCHEMICAL DYNAMICS OF WATER QUALITY IN SAND AND GRAVEL POST-EXPLOITATION LAKES
4	Andrei-Mihai GAFENCU, Andreea-Mihaela FLOREA, Florin-Daniel LIȘA, Eugen ULEA	SPATIAL VARIATION OF MICROBIAL COMMUNITIES IN THE BAHLUI RIVER ACROSS THE URBAN AREA OF IASI
5	Elena-Maria VORNICESCU, Sorin Mihai CIMPEANU, Nicolae MĂRĂCINE, Marco MORARU	STATE-OF-THE-ART APPLICATIONS FOR THE REHABILITATION OF IRRIGATION MAIN-CANAL CROSSINGS
6	Diana KIRIN, Radoslava ZAHARIEVA, Petya ZAHARIEVA	MONITORING THE ECOLOGICAL STATE AND ANTHROPOGENIC LOADING OF THE LUDA YANA RIVER THROUGH THE USE OF INDICATOR MACROZOOBENTHOS
7	Larisa Isabela FLORESCU, Maria Iasmina MOZA, Mirela Mădălina MOLDOVEANU	CYANOBACTERIA AS KEY FACTORS IN STRUCTURING PLANKTONIC COMMUNITIES IN THE DANUBE DELTA
8	Petya GENKOVA, Manol DALLEV, Vera STEFANOVA	TECHNICAL CHARACTERISTICS AND EFFICIENCY OF GARDEN SPRINKLERS IN IRRIGATION SYSTEMS`
9	Viliana PASKALEVA, Diana KIRIN, Petya ZAHARIEVA, Radoslava ZAHARIEVA, Marian VARBANOV	METALS CONTENT IN THE SYSTEM WATER-SEDIMENTS- CHIRONOMIDAE-PERCA <i>FLUVIATILIS-PROTEOCEPHALUS</i> <i>PERCAE</i> FROM TOPOLNITSA DAM, BULGARIA

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10	Lucia-Roxana COJOC, Mirela-Mădălina MOLDOVEANU, Larisa-Isabela FLORESCU, Mădălin-Iancu ENACHE, Anca-Ioana LUCACI	SALT LAKE MICROBIAL ECOSYSTEMS: IMPORTANCE AND CONSERVATION CHALLENGES
11	Sebastian MUSTAȚĂ, Dragoș DRĂCEA, Augustina Sandina TRONAC	OPTIMAL FLOW REGULATION IN WASTEWATER PUMPING STATIONS WITHIN SEWAGE SYSTEMS
12	Nikolina ILIEVA, Viliana PASKALEVA, Diana KIRIN, Radoslava ZAHARIEVA, Petya ZAHARIEVA, Georgi PATRONOV, Doychin TERZIYSKI	RISK ASSESSMENT OF THE USE OF <i>RUTILUS RUTILUS</i> FOR FOOD FROM TWO ANTHROPOGENICALLY INFLUENCED DAMS
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14	Gabriela TEODOSIU-BELEUTA	INVESTIGATION OF THE BACTERIAL COMMUNITY IN SOME DRINKING WATERS FROM THE DISTRIBUTION NETWORK OF SLOBOZIA CITY TO ASSESS WATER QUALITY AND BACTERIAL INVOLVEMENT IN BIOCORROSION PROCESSES
15	Mihai NEGURA, Ioan DAVID, Erika Beata Maria BEILICCI, Robert Florin BEILICCI	HISTORY, MODERNIZATION AND HYDRAULIC MODELLING OF THE SÂNMIIHAIU ROMÂN LOCK, BEGA CANAL
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18	Dorian HAUSLER COZMA, Eugen Teodor MAN, Robert Florin BEILICCI, Erika Beata Maria BEILICCI	HYDRO-MECHANICAL ANALYSIS AND NUMERICAL SIMULATION OF WATER INFILTRATION PROCESSES IN RAILWAY EMBANKMENTS
19	Mihaela BALAN, Oana Alina NIȚU, Cristian POPESCU	LONG-TERM CHANGES IN AREAS EQUIPPED WITH DRAINAGE AND DEWATERING SYSTEMS UNDER DIFFERENT LAND USES
20	Iuliana VOICU, Mihaela DRAGOI CUDALBEANU, Nicoleta Daniela SARBU, Daniela FAUR, Teodor COSTACHIOIU, Carmen Laura CIMPEANU	COMPARATIVE ASSESSMENT OF ANNUAL DYNAMICS IN WATER QUALITY OF HERASTRAU LAKE, ROMANIA
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2	Catalin OPRITA, Stelian Constantin STAN, Ion ANGHEL, Adrian SIMION, Beatrice Mihaela TORAC TOMA	APPLICATIONS OF AI IN DEVELOPING PASSIVE SCREEN SAFETY AGAINST THERMAL RADIATION
3	Gabriel TĂNASIE, Nicolae DIMA, Larisa-Ofelia FILIP, Gabriel BADESCU	ANALYSIS OF SPATIAL GEODETIC METHODS FOR MONITORING MINING GEOSYSTEMS
4	Calin Ioan IOVAN, Sorin Lucian DOROG, Călin Gheorghe PĂȘCUȚ, Flavia Mălina CIOFLAN, Eugenia ȘERBAN	SPECIFIC REHABILITATION WORKS OF DEGRADED AGROSILVOPASTORAL SYSTEMS, IN NONCOLLECTIVIZED AREAS IN THE CONTEXT OF CLIMATE CHANGE
5	Levente DIMÉN, Silvia -Alexandra DRECHICI, Tudor BORȘAN, George COZA	THREE-DIMENSIONAL BUILDING MODELING AS A DIGITAL STRATEGY FOR ENHANCING RURAL TOURISM PROMOTION

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7	Nicoleta RADU, Mihai Dan CARAMIHAI, Francisca BLANQUEZ CANO, Adrian SILVA, Laura IOSUB, Razvan Ionut TEODORESCU	GAMIFICATION AS A TOOL FOR ENHANCING PARTICIPATION AND LEARNING IN GREEN DIGITISATION EDUCATION
8	Laura RADULESCU, Calin JIANU, Ersilia ALEXA, Ariana-Bianca VELCIOV, Virgil-Dacian LALESCU, Antoanela COZMA, Corina Iuliana MEGYESI, Daniela STOIN, Diana MOIGRADEAN, Simion ALDA, Mariana-Atena POIANA, Carmen-Daniela PETCU, Viorica BOACA, Despina-Maria BORDEAN	NUTRITIONALLY RELEVANT MINERALS IN PARSLEY ROOT: AN X-RAY FLUORESCENCE STUDY
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