



Alexandru Ioan Cuza University of IAȘI
Faculty of Geography and Geology



XVII-th edition

International Conference

**Present Environment and
Sustainable Development**

3-4 June, Iași

Alexandru Ioan Cuza University of IAȘI
Faculty of Geography and Geology
Department of Geography



Organizers



University „Alexandru Ioan Cuza” Iași



Faculty of Geography and Geology
Department of Geography
Environmental Geography Group



The Institute of Interdisciplinary Research
Department of Exact Sciences and Natural Sciences;
CERNESIM Center

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State University of Moldova, Republic of Moldova



The Institute of Ecology and Geography of the Academy of
Sciences of the Republic of Moldova



Environment Protection Agency, Iași



National Association of Aquaculture „ROMFISH”



Romsilva - Regia Națională a Pădurilor



ANANP - Agenția Națională pentru Arii Naturale
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Programme

Friday – 3 June 2022

8: 00 – 9: 20 - Participants registration

Alexandru Ioan Cuza University of Iași, B wing, 3rd floor at Faculty of Geography and Geology, Geography Department

9: 30 – 10:25 – Official opening:

Prof. Ovidiu Gabriel IANCU – President of the Senate of the “Alexandru Ioan Cuza” University of Iași

Prof. Adrian Grozavu – Dean of the Faculty of Geography and Geology

Prof. emm. Liviu Apostol – Honorary president of the PESD Organising Committee

Gheorghe Bacusca chief commissioner Environmental Guard

Galea Temneanu executive director Environmental Protection Agency

Răzvan Deju chief of Iași Territorial Service ANANP

Ing. **Gabriel DONCEAN**, director ROMSILVA Iasi

Assoc. prof. **Gheorghe JIGĂU** PhD, State University of Republic of Moldova

Assoc. prof. **Petru BACAL** PhD, Institute of Ecology and Geography, Ministry of Education and Research, Chișinău, Republic of Moldova

10: 30 – 11: 50 – Plenary presentations

12: 00 – 13: 00 – Lunch break

13:00 – 18:00 – Thematic Presentations

18:30 – 21:30 – Dinner

Saturday – 4 June 2022

Field application:

Iași - Ciric Lakes – Gramma Winery – Natura 2000 site: Bârnova
Repedea Forest – Dobrovăț Monastery Iasi



Plenary Session

Ora: 10:10

Sala B8

Chairman: Prof. emm. Liviu APOSTOL

	Authors	Affiliation	Title
1.	Galea TEMNEANU ¹ Dan Laurențiu STOICA ²	¹ Agenția pentru Protecția Mediului, Iași, Romania ² Garda Națională de Mediu - Comisariatul Județean Iași, Romania	Zonele Umede Jijia Iași - Sit RAMSAR
2.	Răzvan DEJU Luminița ICONOMU Margareta Lupu POLIAC Ioana LAZĂR	¹ Agenția Națională pentru Aarii Naturale Protejate, Serviciul Teritorial Iași	Ariile naturale protejate din județul Iași – realitate și perspective
3.	Adina-Eliza CROITORU ¹ Csaba HORVATH ¹ Bela KOBULNICZKY ¹ Titus-Cristian MAN ¹ Valentina STOIAN ² Sorin Daniel VATCA ² Vlad STOIAN ²	¹ Babes-Bolyai University, Cluj-Napoca, Romania ² UASVM Cluj Napoca	Agroclimatic and soil suitability areas for maize crop in Romania.
4.	Mihail LUCA ¹ Petru Daniel BRANIANU ¹	¹ Technical University "Gheorghe Asachi" of Iasi, Iasi, Romania	Research on the degradation of the riverbed and riparian area through hydrodynamic erosion processes
5.	Petru BACAL ¹ Daniela BURDUJA ¹	¹ Institute of Ecology and Geography, Ministry of Education and Research, Chișinău, Republic of Moldova	Particularitățile utilizării resurselor de apă în districtul bazinului hidrografic Nistru (sectorul Republicii Moldova)



Session 1

Atmospheric Environment and Climate Change

Time: 12:00

Class: 657

**Chairman: prof. PhD Adina-Eliza CROITORU / assoc. prof. PhD Dumitru MIHĂILĂ /
assoc. prof. PhD Lucian SFÎCĂ**

1.	Remus PRĂVĂLIE ¹ Mihai NICULIȚĂ ² Bogdan ROȘCA ³ Cristian-Valeriu PATRICHE ³ Georgeta BANDOC ¹	¹ University of Bucharest, Faculty of Geography, Bucharest, Romania ² Faculty of Geography and Geology, Department of Geography, Alexandru Ioan Cuza University of Iasi, Romania ³ Romanian Academy, Iasi Division, Iasi, Romania	Examining trends in forest above-ground live biomass in Romania after 1987
2.	Raul-Gabriel ILEA ^{1,2} Nicoleta IONAC ¹	¹ University of Bucharest, Faculty of Geography, Bucharest, Romania ² National Meteorological Administration, Bucharest, Romania	Several aspects regarding the variation and frequency of some specific parameters and indicators relating to minimum air temperatures in Baia Mare city
3.	Vlad Alexandru AMIHĂEȘI ^{1,2} Dana-Magdalena MICU ¹ Liviu APOSTOL ² Alexandru DUMITRESCU ¹ Sorin CHEVAL ¹	¹ Department of Climatology, National Meteorological Administration, Bucharest, Romania ² Faculty of Geography and Geology, Department of Geography, Alexandru Ioan Cuza University of Iasi, Romania	Changes in number of snow cover days over Romania in the last 60 years
4.	Adrian IRAȘOC ^{1,2} Nicoleta IONAC ¹ Alexandru DUMITRESCU ² Andreea BETERINGHE ^{1,3}	¹ University of Bucharest, Faculty of Geography, Bucharest, Romania ² National Meteorological Administration, Bucharest, Romania ³ S.C. INTERVENTII ACTIVE IN ATMOSFERA S.A., Bucharest, Romania	Indices of extreme rainfall intensities at sub-hourly temporal scale in Dobrogea, Romania
5.	Constantin ROȘU ¹ Dumitru MIHĂILĂ ¹ Petruț-Ionel BISTRICEAN ¹	¹ "Ștefan cel Mare" University of Suceava, Romania	The evaluation of the climate and the bioclimate in Piatra Neamț for the inhabitants, tourists and touristic activities
6.	Alin PRISACARIU ¹ Dumitru MIHĂILĂ ¹ Petruț-Ionel BISTRICEAN ¹	¹ "Ștefan cel Mare" University of Suceava, Romania	The air ionization in Suceava metropolitan area. Preliminary research
7.	Aliona BOTNARI ¹	¹ Institute of Ecology and Geography, Ministry of Education and Research, Chișinău, Republic of Moldova	The impact of the late frosts on perennial crops in the climate change context
8.	Valentin RĂILEANU ¹	¹ Institute of Ecology and Geography,	Duration and magnitude of



	Rodica COJOCARI ¹ Olga CRIVOVA ¹	Ministry of Education and Research, Chișinău, Republic of Moldova	droughts in Republic of Moldova
9.	Constantin BULIMAGA ¹ Elena GANGA ¹	¹ Institute of Ecology and Geography, Ministry of Education and Research, Chișinău, Republic of Moldova	Environmental impact assessment of industrial enterprises in the Northern Development Region of the Republic of Moldova
10.	Csaba HORVATH ¹ Adina-Eliza CROITORU ¹	¹ Babes-Bolyai University, Cluj- Napoca, Romania	Changes in temperature extremes related to agriculture and water resources based on gridded daily data in Romania
11.	Nicolae ILIE ¹ Aurel-Dănuț AXINTE ¹ Claudiu-Ștefănel CREȚU ^{1,2} Andreea BETERINGHE ^{1,3}	¹ S.C. INTERVENTII ACTIVE IN ATMOSFERA S.A., Bucharest, Romania ² Faculty of Geography and Geology, Department of Geography, Alexandru Ioan Cuza University of Iasi, Romania ³ University of Bucharest, Faculty of Geography, Bucharest, Romania	The role of the active interventions into the atmosphere in the context of climate change
12.	Lucian SFÎCĂ ¹ Pavel ICHIM ¹ Petruț-Ionel BISTRICEAN ² Vlad-Alexandru AMIHĂEȘI ^{1,3} Claudiu-Ștefănel CREȚU ^{1,4} Adrian IRAȘOC ^{5,6} Robert HRIȚAC ¹	¹ Faculty of Geography and Geology, Alexandru Ioan Cuza University of Iasi, Romania ² Ștefan cel Mare University of Suceava, Suceava, Romania ³ National Meteorological Administration ⁴ Active Interventions in Atmosphere PLC, Bucharest ⁵ National Meteorological Administration ⁶ University of Bucharest	Urban Climate Assessment: a pre- requisite in designing cities' resilience response to climate change for Romania's North-East Development Region
13.	Olga CRIVOVA ¹	¹ Institute of Ecology and Geography, Ministry of Education and Research, Chișinău, Republic of Moldova	Spatial distribution and temporal analysis of the mean temperature of the wettest and driest quarter on Republic of Moldova's territory



Session 2

Natural and Anthropogenic Environmental Risks Water quality

Hour: 13:00

Class: 658

Chairman: Prof. ing. Mihail LUCA PhD. / Lect. Alexandru BĂNICĂ PhD. / Assist. Andrei ENEA PhD.

1.	Mihail LUCA ¹ Petru-Daniel BRANIANU ¹	¹ Technical University "Gheorghe Asachi" of Iasi, Iasi, Romania	Hydrodynamic erosion research in riverbed undercrossed by pipelines
2.	Andrei BĂLĂ ¹ Viorica CIUGUDEAN-TOMA ² Dragoș TATARU ¹ Dragoș TOMA-DĂNILĂ ¹	¹ National Institute of Research and Development for Earth Physics, Magurele, Ilfov county, Romania ² Metroul S.A., Bucharest, Romania	Local 3D geologic, geotechnical and geophysical model - a necessary step forward for assessing the local seismic hazard of a densely populated area
3.	Oana-Elena CHELARIU ^{1,2} Corneliu IAȚU ²	¹ Department of Exact Sciences and Natural Sciences, Institute of Interdisciplinary Research "Alexandru Ioan Cuza" University of Iasi, Iasi, Romania ² Department of Geography, Faculty of Geography and Geology, "Alexandru Ioan Cuza" University of Iasi, Iasi, Romania	GIS-based multi-criteria analysis for flood prone areas and suitability estimation for urban planning in North-East Region of Romania
4.	Dan DUMITRIU ¹	¹ Faculty of Geography and Geology, Alexandru Ioan Cuza University of Iasi, Romania	Causes of spatio-temporal variations in the flood event efficiency index
5.	Mihaela TAMAS-AVRAM ¹ Luca MIHAIL ² Nicolae MARCOIE ²	¹ Siret Water Basin Administration Bacău, Romania ² Technical University "Gheorghe Asachi" of Iasi, Iasi, Romania	Fast floods on the Trotuș river in the context of current climate change
6.	Veronica RĂILEAN ¹ Petru BACAL ¹	¹ Institute of Ecology and Geography, Ministry of Education and Research, Chișinău, Republic of Moldova	Estimation of the direct costs for water supply of the localities from the Republic of Moldova within the limits of the Dniester river basin
7.	Florin-Constantin MIHAI ¹ Ionut MINEA ² Mihai EVA ² Simona-Roxana ULMAN ¹ Marina IOSUB ¹	¹ CERNESIM Center, Department of Exact Sciences and Natural Sciences, Institute of Interdisciplinary Research "Alexandru Ioan Cuza" University of Iasi, Iasi, Romania ² Department of Geography, Faculty of Geography and	Susceptibility assessment of freshwater environments to plastic pollution (SAFE-PP). Start of the Research Project for Young Independent Teams



		Geology, "Alexandru Ioan Cuza" University of Iasi, Iasi, Romania	
8.	Dumitru DRUMEA ¹	¹ Institute of Ecology and Geography, Ministry of Education and Research, Chișinău, Republic of Moldova	Răuț river basin management plan and options for nutrient reduction
9.	Liliana-Gina LAZURCA (ANDREI) ¹ Dumitru MIHĂILĂ ¹ Doina MIHĂILĂ ² Petruț-Ionel BISTRICEAN ¹	¹ "Ștefan cel Mare" University of Suceava, Romania ² Water Management Service	Surface water quality analysis in suceava county
10.	Isabela-Elena BALAN ¹ Loredana CRENGĂNIȘ ² Ioan BALAN ² Denis ȚOPA ³ Flaviana CORDUNEANU ³ Alexandru TOPOLNICEANU ² Paula STOICA ²	¹ Water Basinal Administration Prut – Bîrlad, Iasi, Romania ² "Gheorghe Asachi" Technical University of Iasi, Romania ³ University of Life Sciences, Iasi, Romania	A study for application of the methodology for delimitation of the minor riverbed
11.	Ioan BALAN ¹ Cătălin SBÎRLEA ¹ Isabela Elena BALAN ² Adelina CUCUTEANU ¹ Anca ZABORILĂ ¹ Denis ȚOPA ³ Flaviana CORDUNEANU ³	¹ "Gheorghe Asachi" Technical University of Iasi, Romania ² Water Basinal Administration Prut – Bîrlad, Iasi, Romania ³ University of Life Sciences, Iasi, Romania	Studies regarding the safety in operation of the Pîrcovaci Reservoir, Iași County, Romania
12.	Ioan BALAN ¹ Cătălin SBÎRLEA ¹ Isabela Elena BALAN ² Alexandru TOPOLNICEANU ¹ Anca ZABORILĂ ¹ Adelina CUCUTEANU ¹ Loredana CRENGĂNIȘ ¹	¹ "Gheorghe Asachi" Technical University of Iasi, Romania ² Water Basinal Administration Prut – Bîrlad, Iasi, Romania	Research on turning a dry dam into an impounding dam. Case study - the non-permanent accumulation Cîmpeni, Botoșani county, Romania



Session 3

Environmental Geography and Urban Planning G.I.S and R.S. in Environmental Studies

Hour: 13:00

Class: 621

Chairman: Assoc. prof. Adrian URSU PhD. / Assoc. prof. Petru BACAL PhD. /

Assist. Vasile JITARIU PhD.

1.	Amrani ABDERRAHIM ¹ Mohamed MOUHIDDINE ¹	¹ Faculty of Letters and Human Sciences - Ben M'Sik, Laboratory of Geomorphology and Environment, University Hassan II - Casablanca- MOROCCO	Governing coastal risks: morphospacial analysis of the risks of marine submersion of the border strip of Dar Bouazza coastal urban area south of Casablanca (Morocco)
2.	Andreea Cătălina POPA ^{1,2} Alexandru Ionuț PETRIȘOR ^{1,2}	¹ Doctoral School of Urban Planning, "Ion Mincu" University of Architecture and Urbanism, Bucharest, Romania. ² National Institute for Research and Development in Constructions, Urbanism and Sustainable Spatial Development URBAN-INCERC, Bucharest, Romania	The role of ports in developing Danube cities: perspectives and future possibilities
3.	Radu DIMITRIU ¹	¹ Faculty of Geography and Geology, Department of Geography, Alexandru Ioan Cuza University of Iasi, Romania	Recent trends in international population migration in Moldova (Romania)
4.	Alexandru BĂNICĂ ¹ Lucian ROȘU ¹ Lucian ȘERBAN ² Ionel MUNTELE ¹	¹ Faculty of Geography and Geology, Department of Geography, Alexandru Ioan Cuza University of Iasi, Romania ² Colegiul Național "Gheorghe Vrânceanu", Bacău	Accesibilitatea la locuri de joacă pentru copii între (in)echitate spațială și vulnerabilitate socială. Analiză comparativă: municipiile Iași și Bacău
5.	Pavel ICHIM ¹ Oana FLORESCU ² Lucian SFÎCĂ ¹ Adriana-Lucia KADHIM-ABID ³ Ion SANDU ^{4,5,6,7} Monica NANESCU ⁸	¹ Faculty of Geography and Geology, Department of Geography, UAIC Iași, Romania ² Faculty of Geography and Geology, Doctoral School of Geosciences, UAIC Iași, Romania ³ „Gheorghe Asachi” Technical University of Iași, Faculty of Architecture G. M. Cantacuzino ⁴ Academy of Romanian Scientists (AORS), Bucharest, Romania ⁵ National Institute for Research and Development in Environmental Protection, București, Romania ⁶ Interdisciplinary Research Institute – Science Departament, UAIC, Iasi Romania ⁷ Romanian Inventors Forum, Iași, Romania	Indoor microclimate monitoring in a museum environment. Case study of "Poni Cernătescu" Museum from Iași city



⁸ „Ștefan Procopiu” Museum of Science and Technology Director, „Moldova” National Museums Complex, Iași, Romania

6.	Ana Maria ANASTASIEI ¹ Lilian NIACȘU ¹ Sergiu LOGHIN ²	¹ Faculty of Geography and Geology, Department of Geography, Alexandru Ioan Cuza University of Iasi, Romania ² Faculty of Geography and Geology, Department of Geology, Alexandru Ioan Cuza University of Iasi, Romania	The development and relation between sustainable geotourism and dark tourism in Iasi area related to building materials
7.	Teodora UNGUREANU ¹ Adrian IANCU ^{1,2} Alexandru Ionuț PETRIȘOR ^{1,3}	¹ Doctoral School of Urban Planning, “Ion Mincu” University of Architecture and Urbanism, Bucharest, Romania. ² Faculty of Architecture and Urban Planning, Technical University of Cluj-Napoca, Str. Observatorului, nr. 34-36, cod 400489, Cluj-Napoca, Romania ³ National Institute for Research and Development in Constructions, Urbanism and Sustainable Spatial Development URBAN-INCERC, Bucharest, Romania	Achieving sustainable residential areas and neighbourhoods in romanian context. The link between urban developments and quality of life
8.	Imane FANTAZI ¹ Teodora UNGUREANU ² Andreea Catalina POPA ²	¹ Faculty of Architecture and Urban Planning, University Salah Boubnider Constantine 3, Constantine, Algeria ² University of Architecture and Urban Planning Ion Mincu, Bucarest, Romania	Citizen participation between heritage process and event context, case of the event of Constantine capital of Arab culture
9.	Mihăiță-Iulian NICULAE ¹ Gabriel Ovidiu VANAU ¹ Cristiana-Maria PIOARCA-CIOCANEA ¹ Viorica Iuliana MIU ¹ Lavinia Corina PANDARU ¹	¹ University of Bucharest, Centre for Environmental Research and Impact Studies	Demonstrating the necessity of integrating measures for reducing habitat fragmentation and improving landscape connectivity in the management plans of Romanian natural protected areas
10.	Ioana-Natalia MĂGUREANU ¹ Cătălin SÎRBU ¹	¹ University of Architecture and Urban Planning "Ion Mincu", Bucharest, Romania	Urban ecological restoration in a post-industrial context: the contribution of ecosystem services in the process of revitalizing small mono-industrial cities
11.	Vasile JITARIU ¹ Alexandru DOROȘENCU ² Pavel ICHIM ¹ Constantin ION ³	¹ Faculty of Geography and Geology, Alexandru Ioan Cuza University, Iasi, Romania ² Danube Delta National Institute for Research and Development, Tulcea, Romania ³ Faculty of Biology, Alexandru Ioan Cuza University, Romania	Severe drought monitoring by Remote Sensing methods and its impact on wetlands birds assemblages in Nuntași and Tuzla lakes (Danube Delta Biosphere Reserve)



Session 4

Environment Protection Laws and Policies Nature conservation

Hour: 13: 00

Class: 660

Chairman: Prof. Gheorghe DURAC PhD. / Assoc.prof. Cristian-Constantin STOLERIU PhD. /Lect. Athes Haralambie PhD.

1.	Mihai Răzvan NIȚĂ ¹ Cristian Ioan IOJĂ ¹ Mihăiță Iulian NICULAE ¹	¹ Centre for Environmental Research, University of Bucharest, Romania	Integrating nature in Romanian cities through urban protected areas
2.	Svetlana BACAL ¹ Galina BUȘMACHIU ¹	¹ Institute of Ecology and Geography, Ministry of Education and Research, Chișinău, Republic of Moldova	Diversity of Saproxyllic Darkling Beetles (<i>Tenebrionidae: Coleoptera</i>) in the Republic of Moldova
3.	Lucica SOFRONI ¹ Aurora Elena HOPULELE ¹	Scoala Doctorala de Stiinte Aplicata si Ingineresti, Domeniul Geografie-Universitatea Stefan cel Mare, Suceava	Anthropogenic pressures on the integrity of the Natura 2000 natural protected area - ROSCI0380 Suceava-Liteni River (SLR)
4.	Gheorghe DURAC ¹	¹ Alexandru Ioan Cuza University of Iasi, Romania	The legal regulation of international liability in environmental protection
5.	Remus-Mihai GOȚIU ¹	¹ Universitatea Babes-Bolyai, Cluj-Napoca, Romania	"All for forests". Civic campaigns and lobby strategies for modifying the forestry code
6.	Octavian GROZA ¹ Gabriel FÎRȚALĂ ¹	¹ Faculty of Geography and Geology, Alexandru Ioan Cuza University, Iasi, Romania	The efficiency of agri-environment measures within PNDR 2014-2020. Critical considerations
7.	Nicoleta Nona ARDELEANU ¹ Iuliana-Gabriela BREABĂN ¹	¹ Faculty of Geography and Geology, Alexandru Ioan Cuza University, Iasi, Romania	Conservation tools in assessment of projects effects on Natura 2000 sites
8.	Cristina GÎRLEA ¹ Cornelia MARIN ² Mariana-Carmelia BĂLĂNICĂ-DRAGOMIR ³	¹ National Agency for Natural Protected Areas, Bucharest, Romania ² One Health Romania, Bucharest, Romania ³ "Dunărea de Jos" University of Galați, Romania	Environmental policies and environmental health
9.	Iurie BEJAN ¹ Tatiana BUNDUC ¹	¹ Institute of Ecology and Geography, Ministry of Education and Research, Chișinău, Republic of Moldova	Land use and ecological stability coefficient on the territory of the Republic of Moldova
10.	Gheorghe JIGĂU ¹	¹ Scientific Research Laboratory	Physical state of arable chernozems in



	<p>Tatiana CIOLACU¹ Sergiu DOBROJAN² Boris TURCHIN¹ Galina DOBROJAN¹ Nina PLĂCINTĂ¹ Angela STADNIC¹</p>	<p>"Pedogenetic Processes"; State University of Moldova, Chisinau, Republic of Moldova ²Department of Biology and Ecology, Faculty of Biology and Pedology, State University of Moldova, Chisinau, the Republic of Moldova</p>	<p>the Prut-Dniester area: factor-procedural analysis, technological solutions</p>
11.	<p>Gheorghe JIGĂU¹ Nina FRUNZE¹ Tatiana CIOLACU¹ Boris TURCHIN¹ Sergiu DOBROJAN²</p>	<p>¹Scientific Research Laboratory "Pedogenetic Processes"; State University of Moldova, Chisinau, Republic of Moldova ²Department of Biology and Ecology, Faculty of Biology and Pedology, State University of Moldova, Chisinau, the Republic of Moldova</p>	<p>Soil health: conceptual and methodological approaches</p>
12.	<p>Ivan MOROZ¹</p>	<p>¹Institute of Ecology and Geography, Ministry of Education and Research, Chișinău, Republic of Moldova</p>	<p>The impact of the mining industry on the environment in the Northern Development Region of the Republic of Moldova</p>



Poster Session

Hour: 10: 00 – 16: 00

Department of Geography Hall

Chairman: assoc. prof. habil. ing. Iuliana-Gabriela BREABĂN PhD. / Res. Diana-Elena BOBRIC PhD. / lab. Alexandra-Petronela STOLERIU PhD.

1. Atmospheric Environment and Climate Change

1.	Elena GRIGORE ¹ Dana Maria CONSTANTIN (OPREA) ¹ Elena BOGAN ¹ Forina TATU ¹ Dan Vasile ARDELIAN ^{2,3}	¹ University of Bucharest, Faculty of Geography, Bucharest, Romania ² ANP ³ University of Bucharest, Faculty of Geography, Bucharest, Romania, Doctoral School Simion Mehedinti	The assessment of the caloric stress conditions in the Eastern Romanian Plain
2.	Vasilica VASILE ¹ Cristian PETCU ¹ Alina DIMA ¹ Mihaela ION ¹	¹ INCD URBAN-INCERC, Bucharest, Romania	Monitoring of ambient air quality in the context of COVID-19 pandemic
3.	Rodica COJOCARI ¹	¹ Institute of Ecology and Geography, Ministry of Education and Research, Chișinău, Republic of Moldova	Future climate projections in the Republic of Moldova
4.	Marius Alin CRISTEA ¹ Gabriela DÎRLOMAN ¹	¹ "Nicolae Kretzulescu" Superior School of Commerce	The correlation of the thermal comfort with the indoor workspace microclimate parameters
5.	Alexandru CIUTEA ¹ Liviu APOSTOL ¹ Adrian URSU ¹	¹ Faculty of Geography and Geology, Alexandru Ioan Cuza University of Iasi, Romania	Using Sentinel 2 satellite images for estimating the spatial and altitudinal distribution of the coniferous and deciduous species from the Eastern Carpathians
6.	Galina MÎNDRU ¹ Viorica ȚURCANU ¹	¹ Institute of Ecology and Geography, Ministry of Education and Research, Chișinău, Republic of Moldova	Spatio-temporal variability of the hydrothermal regime in the hot period of the year on the territory of the Republic of Moldova

2. Biodiversity Loss and Conservation Strategies

7.	Bogdan-Mihai NEGREA ^{1,2,3} Valeriu STOILOV-LINU ⁴ Ana-Maria DĂNILĂ ⁴ Constantin-Alexandru STOIAN ⁴ Marius Mirodon FAGARAS ³	¹ CE-MOUNT, Mountain Economy Center of the "Costin C. Kiritescu" ² National Institute of Economic Research - INCE, Romanian Academy, Vatra Dornei, Romania ³ Doctoral School of Applied Sciences (Biology), Ovidius University of Constanta, Constanta, Romania ⁴ Faculty of Geography and Geology,	Evaluation of the invasive potential and factors that contribute to the spread of the species <i>Impatiens balsamina</i> L. and <i>Reynoutria japonica</i> Houtt. in the basin of the Bistrița river, Romania
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Iasi, Romania

8.	Corina CERTAN ¹ Nadejda GRABCO ¹ Anastasia PORTARESCU ¹	¹ Institute of Ecology and Geography, Ministry of Education and Research, Chișinău, Republic of Moldova	Taxonomic structure, ecology and impact of invasive plant species on the Bălți urban ecosystem in the Republic of Moldova
9.	Vlad MĂCICĂȘAN ¹ Octavian-Liviu MUNTEAN ¹ Viorel-Ilie ARGHIUȘ ¹ Nicolae BACIU ¹ Ana Maria CORPADE ²	¹ Babeș-Bolyai University, Faculty of Environmental Science and Engineering, Cluj-Napoca, Romania ² Babeș-Bolyai University, Faculty of Geography, Cluj-Napoca, Romania	Anthropogenic impact assessment in natural protected areas (A case study: ROSCI0040 Coasta Lunii, Romania)
10.	Anna-Steluța MANOLACHE ¹ Teodora SIN ¹ Marissa DYCK ² Mihai POP ¹ Viorel POPESCU ¹	¹ University of Bucharest, Bucharest, Romania ² Ohio University, Ohio, United States of America	Integrating multiple data sources to infer trophic relations between carnivores in Eastern Carpathians
11.	Bogdan-Ionuț PLEȘCA ¹ Bogdan APOSTOL ¹ Ioana Maria PLEȘCA ¹ Lucian-Constantin DINCĂ ² Iuliana-Gabriela BREABĂN ³	¹ "Marin Drăcea" National Institute for Research and Development in Forestry, Voluntari, Romania ² "Marin Drăcea" National Institute for Research and Development in Forestry, Brasov, Romania ³ Faculty of Geography and Geology, Alexandru Ioan Cuza University, Iasi, Romania	The stational and potential favorability of forest habitats for plant and animal species located in ROSCI0076 Dealul Mare-Hârlău

3. Education for Environment Protection

12.	Laura HAGIU ZALESCHI ¹ Raluca-Maria HLIHOR ¹ Isabela-Maria SIMION ¹ Maria APOSTOL ¹	¹ "Ion Ionescu de la Brad" Iasi University of Life Sciences, Faculty of Horticulture, Department of Horticultural Technologies, Iasi, Romania	Comparative phytotoxic effects of single and binary mixtures of heavy metals exposure on lavender (<i>Lavandula angustifolia</i> L. "Hidcote Blue")
13.	Cătălina FILOTE ^{1,2} Isabela-Maria SIMION ¹ Mihaela ROȘCA ¹ Petronela COZMA ² Maria APOSTOL ¹ Maria GAVRILESCU ^{2,3} Raluca-Maria HLIHOR ¹	¹ University of Life Sciences, Faculty of Horticulture, Department of Horticultural Technologies, Iasi, Romania ² "Gheorghe Asachi" Technical University of Iasi, "Cristofor Simionescu" Faculty of Chemical Engineering and Environmental Protection, Department of Environmental Engineering and Management, Iasi, Romania ³ Academy of Romanian Scientists Bucharest, Romania	Sustainability analysis of Cd (II) biosorption from wastewater using microbial biomass
14.	Athes HARALAMBIE ¹	¹ Alexandru Ioan Cuza University of	The Green Shades of Black Metal.



4. Environmental Geography and Urban Planning

15.	Vladimir MOGÎLDEA ¹ Iurie BEJAN ¹	¹ Institute of Ecology and Geography, Ministry of Education and Research, Chișinău, Republic of Moldova	The role of green and blue infrastructure in the stability and resilience of urban ecosystems
16.	Veronika HRYTSKU ¹ Zhanna DERII ²	¹ Chernivtsi Yuriy Fedkovych National University ² "Chernihivska Politehnika", National University Chernihiv, Ukraine	Ecological consequences of war in Ukraine
17.	Dan-Adrian CHELARU ¹ Iulian IORDACHE ¹	¹ IULIUS, Iasi, Romania	Sustainable urban regeneration as an opportunity to redesign urban cores
18.	Marinela ISTRATE ¹ Daniela BUZATU ¹ Ionel MUNTELE ¹	¹ Faculty of Geography and Geology, Alexandru Ioan Cuza University of Iasi, Romania	The industrial brownfield sites and their economic capitalization
19.	Constantin-Alexandru STOIAN ¹ Valeriu STOILOV-LINU ^{1,2} Ana-Maria DĂNILĂ ³ Bogdan-Mihai NEGREA ²	¹ Doctoral School of Geosciences, Geography Department, Geography and Geology Faculty, Alexandru Ioan Cuza University of Iasi, Romania ² Centre of Mountain Economy "CE- MONT" of the National Institute for Economic Research "Costin C. Kiritescu – INCE", Romanian Academy, Vatra Dornei, Romania ³ Geography Department, Geography and Geology Faculty, Alexandru Ioan Cuza University of Iasi, Romania	Effects of new residential developments on urban sustainability in the Iasi Metropolitan Area

5. G.I.S and Remote Sensing in Environmental Studies

20.	Romulus COSTACHE ¹	¹ Transilvania University of Brasov, Romania	Using Logistic Regression and bivariate statistics to estimate the flood susceptibility in Trotuș River Basin, Romania
21.	Paula STOICA ¹ Anca ZABORILĂ ¹ Marius TELIȘCĂ ¹ Ioan BALAN ¹ Raluca GIURMA- HANDLEY ¹	¹ Technical University "Gheorghe Asachi" of Iași, Romania	Deriving a unit hydrograph for Tazlău River Basin using ArcGIS
22.	Cristian SECU ¹ Cristian-Constantin STOLERIU ¹ Dan LESENCIUC ¹ Adrian URSU ¹	¹ Faculty of Geography and Geology, University "Alexandru Ioan Cuza" of Iasi, Romania	Assessing Bare sands areas from south Romania, through a new remote senting Index: Sand Index Normalised



23.	Angela CANȚÎR ¹	¹ Institute of Ecology and Geography Chișinău, Republic of Moldova	Relations between the morphometric characteristics of the relief and the landslides in the Cubolta hydrographic basin Republic of Moldova
24.	Alin MIHU-PINTILIE ¹ Iulian GHERGHEL ¹	¹ Institute of Interdisciplinary Research, Department of Exact and Natural Sciences, Alexandru Ioan Cuza University, Iasi, Romania	Eco-cultural niches modelling of the Cucuteni-Trypillia groups in Eastern Europe
25.	Iuliana Gabriela BREABĂN ^{1,2} Andreea Florina STOLERIU ¹ Marian Daniel BURUIANA ³	¹ Faculty of Geography and Geology, Geoscience Doctoral School, University "Alexandru Ioan Cuza" of Iasi, Romania ² Institute of Interdisciplinary Research - ICI-UAIC, Integrated Center of Environmental Science Studies in the North Eastern Region - CERNESIM, Iasi, Romania ³ Prut-Barlad Water Basin Administration, Iasi, Romania	The monitorization of the lake water quality parameters through satellites and sensors
26.	Alexandra Petronela STOLERIU ¹ Iuliana Gabriela BREABĂN ^{1,2}	¹ Institute of Interdisciplinary Research - ICI-UAIC, Integrated Center of Environmental Science Studies in the North Eastern Region - CERNESIM, Iasi, Romania ² Faculty of Geography and Geology, University "Alexandru Ioan Cuza" of Iasi, Romania	Use of derived spectral information for classification of the crop types
27.	Adrian-George ISTRATE ^{1,3} Alexandra Petronela STOLERIU ² Ion MILITARU ³ Iuliana Gabriela BREABĂN ^{1,2}	¹ Faculty of Geography and Geology, Geoscience Doctoral School, University "Alexandru Ioan Cuza" of Iasi, Romania ² Institute of Interdisciplinary Research - ICI, Integrated Center of Environmental Science Studies in the North Eastern Region - CERNESIM, Iasi, Romania ³ RNP Romsilva Administratia Parcului Natural Putna-Vrancea	Changes of forest state using various biophysical indicators
28.	Vasile JITARIU ¹ Adrian-George ISTRATE ^{1,2} Adrian URSU ¹	¹ Faculty of Geography and Geology, Alexandru Ioan Cuza University, Iasi, Romania ² RNP Romsilva Administratia Parcului Natural Putna-Vrancea	Preliminary results on the most used Remote Sensing tools in forest monitoring
29.	Lilian NIACȘU ¹ Andrei ENEA ¹ Costel-Ionuț CODRU ¹	¹ Faculty of Geography and Geology, Alexandru Ioan Cuza University, Iasi, Romania	GIS and SFM techniques, used in the morphometrical analysis of gullies. Case study: Vâlcioaia gully
30.	Aurelian-Nicolae ROMAN	¹ Faculty of Geography and Geology, Department of Geography, Alexandru Ioan Cuza University of	Using NASA's Fire Information for Resource Management System (FIRMS) to evaluate the impact of war in



6. Monitoring and Protected Areas

31.	Oana STOLERIU ¹ Athes HARALAMBIE ¹	¹ Alexandru Ioan Cuza University of Iasi, Faculty of Geography and Geology, Department of Geography	Facets of Ecotourism. Dystopian Travels in Ecotopian Realms
32.	Cristina CIMPOEȘU ¹ Adrian GROZAVU ¹	¹ Geography and Geology Faculty, Alexandru Ioan Cuza University of Iasi, Romania	Vulnerabilities regarding sustainable management of the tourist potential of Mount Cozla

7. Natural and Anthropogenic Environmental Risks

33.	Petru BUNDUC ^{1,2}	¹ Institute of Ecology and Geography, Ministry of Education and Research, Chișinău, Republic of Moldova ² Ministry of Education and Research, Chișinău, Republic of Moldova	Issues on the dynamics of general mortality of the population in the northern development region (Republic of Moldova)
34.	Gabriel FÎRȚALĂ ¹ Raluca HOREA-ȘERBAN ¹	¹ Geography and Geology Faculty, Alexandru Ioan Cuza University of Iasi, Romania	Demographic ageing vulnerabilities in the North-East Region of Romania
35.	Ala DONICA ¹ Nicolae GRIGORAȘ ¹	¹ Institute of Ecology and Geography, Ministry of Education and Research, Chișinău, Republic of Moldova	Use of ecoclimatic indices in expressing the vulnerability of forest ecosystems to climate change (case study - Emerald Site "Hâncești Forest")
36.	Andra-Cosmina ALBULESCU ¹ Adrian GROZAVU ¹ Daniela LARION ¹ Gina BURGHUI ¹	¹ Faculty of Geography and Geology, Alexandru Ioan Cuza University of Iasi, Romania	Introducing the Earthquake Systemic Vulnerability Index (ESVI). Case study: the urban centres in the South-East region of Romania
37.	Dan Vasile ARDELIAN ^{1,2} Elena GRIGORE ³ Dana Maria CONSTANTIN (OPREA) ³ Elena BOGAN ³ Forina TATU ³	¹ ANP - Politist de Penitenciare ² University of Bucharest, Faculty of Geography, Bucharest, Romania Doctoral School Simion Mehedinti ³ University of Bucharest, Faculty of Geography, Bucharest, Romania	The impact of SARS-CoV-2 on the Romanian penitentiary micro-society
38.	Oana-Elena CHELARIU ^{1,2} Ionuț MINEA ² Daniel BOICU ^{2,3} Marina IOSUB ^{1,4}	¹ Department of Exact Sciences and Natural Sciences, Institute of Interdisciplinary Research UAIC, Iasi, Romania ² Department of Geography, Faculty of Geography and Geology, UAIC, Iasi, Romania ³ Research Center with Integrated Techniques for Atmospheric Aerosol Investigation in Romania, RECENT AIR, Laboratory of Interdisciplinary Research in Geo-	An approach for assessing social vulnerability related to groundwater resources at local level in North-Eastern part of Romania



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39.	Ioan BALAN ¹ Alexandru TOPOLNICEANU ¹ Isabela Elena BALAN ² Nicolae MARCOIE ¹ Catrinel-Raluca GIURMA-HANDLEY ¹ Loredana CRENGĂNIȘ ¹	¹ "Gheorghe Asachi" Technical University of Iasi, Romania ² Water Basinal Administration Prut- Barlăd, Iasi, Romania	Aspects regarding flood mitigation in the non-permanent accumulation Ciurea on the River Nicolina, Iasi, Romania
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8. Soil Pollution and Systemic Impact of Land Use Change

40.	Mihaela LUNGU ¹	¹ National Research and Development Institute for Soil Science, Agrochemistry and Environment - ICPA Bucharest, Romania	Soil fertility properties in the ICDP Pitesti - Maracineni fruit tree plantation as related to fruit tree growing technologies
41.	Irina-Ramona MORARU ¹ Mihaela LUNGU ¹ Andrei VRÎNCEANU ¹ Amelia ANGHEL ¹ Anca-Rovena LĂCĂTUȘU ¹	¹ National Research and Development Institute for Soil Science, Agrochemistry and Environment Bucharest, Romania	Risk assessment of zinc deficiency in maize crops in southeastern part of Romania
42.	Vitaliy PRYSAKAR ¹ Halyna KHODAN ¹ Iryna DOBYNDA ¹	¹ Yuriy Fedkovych Chernivtsi National University	Landscape and geochemical features of the territory of the city of Vyzhnytsia, Chernivtsi oblast
43.	Vyacheslav YAVKIN ¹ Halyna KHODAN ¹	¹ Yuriy Fedkovych Chernivtsi National University	Principles of estimating soil moisture parameters in the basin
44.	Elena Diana BOBRIC ^{1,2} Nicoleta MELNICIU- PUICA ³ Iuliana Gabriela BREABĂN ^{1,2}	¹ Alexandru Ioan Cuza University of Iasi, Faculty of Geography and Geology, Department of Geography ² Institute of Interdisciplinary Research - ICI-UAIC, CERNESIM Department, ³ "Alexandru Ioan Cuza" University of Iasi, Faculty of Orthodox Theology	Characterization of organic matter under different soil types and uses with FTIR spectroscopy
45.	Valentin CRÎȘMARU ¹	¹ Institute of Ecology and Geography, Ministry of Education and Research, Chișinău, Republic of Moldova	Study on the impact of anthropogenic activities over soils from development regions: North, Center and South of Republic of Moldova

9. Water pollution and Waste Management

46.	Doina HUMELNICU ¹	¹ Alexandru Ioan Cuza University of	Copper ions efficient removal from
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	Ionel HUMELNICU ¹ Inga ZINICOVSCAIA ^{2,3}	Iasi, Faculty of Chemistry, Iasi, Romania ² Joint Institute for Nuclear Research, Dubna, Russia ³ Horia Hulubei National Institute for R&D in Physics and Nuclear Engineering, Magurele, Romania	wastewaters by using ETS-10 and SBA-15 as adsorbents
47.	Mădălina-Mihaela BARZU ^{1,2} Claudiu-Augustin GHIORGHITĂ ¹ Ioana-Victoria PLATON ¹ Maria Marinela LAZAR ¹ Doina HUMELNICU ² Maria Valentina DINU ¹	¹ "Petru Poni" Institute of Macromolecular Chemistry, Grigore Ghica Vodă, Iasi, Romania ² Alexandru Ioan Cuza University of Iasi, Faculty of Chemistry, Iasi, Romania	Porous multifunctional hydrogels based on chitosan and thiourea for adsorption of heavy metal ions from wastewaters
48.	Marina IOSUB ^{1,2} Dan LESENCIUC ² Iuliana Gabriela BREABĂN ^{1,2} Adrian URSU ^{1, 2}	¹ Institute of Interdisciplinary Research - ICI-UAIC, Integrated Center of Environmental Science Studies in the North Eastern Region - CERNESIM, Iasi, Romania ² Faculty of Geography and Geology, University "Alexandru Ioan Cuza" of Iasi, Romania	Preliminary quantitative assessment and spatial distribution of tailings ponds in Romania
49.	Aurelia CRIVOI ¹ Iurie BACALOV ¹ Elena CHIRIȚA ¹ Ana BÎRSAN ¹ Adriana DRUȚA ¹	¹ Universitatea de Stat din Moldova, Chișinău, Republica Moldova	Water quality, pollution sources and protection measures