



Alexandru Ioan Cuza University of IAȘI
Faculty of Geography and Geology



XV-th edition

International Conference

**Present Environment and
Sustainable Development**

21 november, Iași

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



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În colaborare cu CERNESIM, L4. Laboratorul de enviromatică



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(Programme)

Saturday – 21 november 2020

9:45 – 10:00 Connecting and testing to Cisco Webex meeting room

Link:

10:00 – 11:00 – Official opening:

Prof. Corneliu Iațu – Vice-rector of the “Alexandru Ioan Cuza” University of Iași

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

Prof.ing. Doru Juravle - Former director of the Geography department

Assoc.prof. Lilian Niacșu – Director of the Geography Department

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

11:00 – 11:50 – Plenary presentations

12:00 – 18:00 – Thematic Presentations

18:00 – 18:15 – Conclusions

Plenary Session

LINK: <https://uaic.webex.com/uaic/j.php?MTID=md2bef985b51df46acab97a651fca5c45>

Nr.	Authors	Afiliation	Title
1.	Maria NEDEALCOV ¹ Viorica ȚURCANU ¹	¹ Institute of Ecology and Geography, Republic of Moldova	Local climate characterization to ensure sustainable development
2.	Mihai LUCA ¹ Paul-Vivian SION ²	¹ Technical University “Gheorghe Asachi” of Iasi, Dept. of Hydroamelioration and Environ. Prot., Faculty of Hydrotechnics, Geodesy and Environmental Engineering ² Technical University “Gheorghe Asachi” of Iasi, Romania, Faculty of Hydrotechnics, Geodesy and Environmental Engineering	Modeling the hydrodynamic erosion phenomenon to the river beds
3.	Alexandru-Ionuț PETRIȘOR ¹ Arina Alma SUSA ² Liliana Elza PETRIȘOR ³	¹ Ion Mincu University of Architecture and Urban Planning ² Grenoble Alpes University ³ Independent researcher/architect	Counting for sustainability: the risks of creating a market for the environment



Session 1

Atmospheric Environment and Climate Change

Ora: 12:00

Link acces: <https://uaic.webex.com/meet/lucian.sfica>

Chairman: Maria NEDEALCOV/ Lucian SFÎCĂ

1.	Carmelia Mariana DRAGOMIR BĂLĂNICĂ ¹ Aurel Gabriel SIMIONESCU ² Cristian MUNTENIȚĂ ¹	¹ "Dunărea de Jos" University of Galați, Romania ² Constantin Brâncoveanu University of Pitesti, Romania	Long-term analysis of national nitrogen oxides (nox) emissions sources
2.	Nicolae ILIE ¹ Liviu APOSTOL ² Aurel-Dănuț AXINTE ¹	¹ S.C. Intervenții Active în Atmosferă S.R.L. Iași, România ² Alexandru Ioan Cuza, University of Iași, Faculty of Geography and Geology, Iași, Romania	The correlation between NAO, AO, and the Air-Masses Movement by "Hess- Brezowsky" classification in the northern part of Moldova
3.	Andreea - Diana DAMIAN ¹ Lucian SFÎCĂ ¹ Adrian GROZAVU ¹ Mădălina MEGA ¹	¹ Alexandru Ioan Cuza, University of Iași, Faculty of Geography and Geology, Iași, Romania	The synoptic context of the major past flood events in Romania
4.	Mădălina MEGA ¹ Lucian SFÎCĂ ¹ Lilian NIACȘU ¹ Andreea - Diana DAMIAN ¹	¹ Alexandru Ioan Cuza, University of Iași, Faculty of Geography and Geology, Iași, Romania	The assessment of rainfall erosivity in extracarpathian Moldova
5.	Petru BACAL ¹ Lunita STERPU ¹	¹ Institute of Ecology and Geography	The impact of socio-economic activities on atmospheric air in the North Development Region of the Republic of Moldova
6.	Radu-Vlad DOBRI ¹ Liviu APOSTOL ¹ Lucian SFÎCĂ ¹ Simona ȚÎMPU ¹	¹ Alexandru Ioan Cuza, University of Iași, Faculty of Geography and Geology, Iași, Romania	Spatio-temporal changes of drought severity over arable lands in Romania (2000-2019), according to MODIS satellite images and SPI index
7.	Remus PRĂVĂLIE ¹ Georgeta BANDOC ¹	¹ University of Bucharest, Faculty of Geography	Spatio-temporal trends in land susceptibility to degradation in Romania due to climate change, vegetation degradation and anthropogenic pressures
8.	Maria NEDEALCOV ¹	¹ Institute of Ecology and Geography, Republic of Moldova	The atlas the thermal and rainfall regime in the south of the Republic of Moldova (Cahul region and Zîrnești



			commune)
9.	Liliana ONIU ¹ Iuliana-Gabriela BREABĂN ²	¹ Environment Protection Agency Suceava ² Alexandru Ioan Cuza, University of Iasi, Faculty of Geography and Geology, Iași, Romania	2017-2020 trends of particulate matter PM10 concentrations in the cities of Suceava and Botoșani
10.	Alexandru Constantin COROĂESCU ¹ Silvia MELINTE ¹ Pavel ICHIM ¹ Vasile JITARIU ¹ Lucian SFÎCĂ ¹	¹ Alexandru Ioan Cuza, University of Iasi, Faculty of Geography and Geology, Iași, Romania	Preliminary results regarding the bioclimatic conditions in Bârlad Plateau
11.	Anatolie PUȚUNTICĂ ¹	¹ Universitatea de Stat din Tiraspol, Facultatea de Geografie	The analysis of regression in the process of studying the correlation between climatic factors of the weather station Chișinău
12.	Florina TATU ¹ Dana Maria CONSTANTIN (OPREA) ¹ Elena GRIGORE ¹ Elena BOGAN ¹ Dan Vasile ARDELIAN ¹ Marius Alin CRISTEA ¹ Luminița SAFTOIU ¹	¹ Universitatea din București, Facultatea de Geografie	Climatic risk residing in phenomenon specificity and cyclicity. Case study: evaluation of damage products by "hailstorm" and "freezing rain"
13.	Elena GRIGORE ¹ Dana Maria CONSTANTIN (OPREA) ¹ Elena BOGAN ¹ Florina TATU ¹	¹ Universitatea din București, Facultatea de Geografie	Relative strain indice (RSI) regime on the Muntenia region



Session 2

Water pollution and Waste Management

Ora: 12 00

Link acces: <https://uaic.webex.com/uaic/j.php?MTID=mb7a23796257a5acbf4525efb22618987>

Chairman: Ionuț MINEA/ Iuliana Gabriela BREABĂN

1.	Bogdan-Adrian ISPAS ¹ Laura TIRON DUȚU ¹ Glicherie CARAIVAN ¹ Dumitru GROSU ¹	¹ National Research-Development Institute for Marine Geology and Geocology - GeoEcoMar, Bucharest, Romania	Assessment of actual water quality and sedimentological conditions of the Corbu I Lake, western Black Sea coast
2.	Iolanda-Veronica GANEA ^{1,2} Alexandrina NAN ² Calin BACIU ¹	¹ Faculty of Environmental Science and Engineering (Babes-Bolyai University) ² National Institute for Research and Development of Isotopic and Molecular Technologies, Cluj-Napoca, Romania	New promising magnetic nanomaterial for heavy metals removal from Roșia river (Roșia Montană area, Romania)
3.	Shiblur RAHAMAN ¹ Fozia MOMOTAZ ² Afrida NURAIN ³ Protima SARKAR ⁴	¹ Department of Environmental and Preventive Medicine, Jichi Medical University School of Medicine, 3311-1 Yakushiji, Shimotsuke, Tochigi, Japan ² Department of Environmental Science and Disaster Management, Noakhali Science and Technology University, Noakhali-3814, Bangladesh ³ Department of Environmental Sciences, Jahangirnagar University, Dhaka-1342, Bangladesh ⁴ School of Environmental Science, University of Shiga Prefecture, 2500 Hassakacho, Hikone, Shiga, Japan.	Investigation of ETP facilities and the industrial effluents quality: a case study in Noakhali industrial area, Bangladesh
4.	Ionuț MINEA ¹ Lucian SFÎCĂ ¹ Florin Constantin MIHAİ ² Marina IOSUB ² Oana-Elena CHELARIU ² Daniel BOICU ¹	¹ Alexandru Ioan Cuza, University of Iasi, Faculty of Geography and Geology, Iași, Romania ² Alexandru Ioan Cuza, University of Iasi, Interdisciplinary Science Department	The vulnerability of underground water resources from Moldavian Plateau to climate changes - Project starting point
5.	Alina AGAFÎȚEI ¹ Vasile Lucian PAVEL ¹ Valentin BOBOC ¹	¹ "Gheorghe Asachi" Technical University of Yassy, Faculty of Hydrotechnics, Geodesy and Environmental Engineering, Romania	Researches regarding the water quality of Stâncă Costești Lake, Botoșani County
6.	Diana IACOB ¹ Carmen GACHE ² Ștefan-Adrian STRUNGARU ³ Gabriel PLĂVAN ²	¹ "Alexandru Ioan Cuza" University of Iasi, Department of Environmental Science, Faculty of Geography and Geology.	Common waterbird species as bioindicator of priority pollutants in Europe



Mircea NICOARĂ²

Iuliana-Gabriela BREABĂN⁴

² Alexandru Ioan Cuza University, Faculty of Biology, Iasi, Romania

³ "Alexandru Ioan Cuza" University of Iasi, Department of Research, Faculty of Biology.

⁴ Alexandru Ioan Cuza, University of Iasi, Faculty of Geography and Geology, Iași, Romania

7.	Emanuela PĂDURARU ¹ Mircea NICOARĂ ² Diana IACOB ¹ Alin CIOBÎCĂ ³ Andrei URZICĂ ¹	¹ Alexandru Ioan Cuza, University of Iasi, Doctoral School of Geoscience, Faculty of Geography and Geology, Iași, Romania ² Alexandru Ioan Cuza University, Faculty of Biology, Iasi, Romania ³ Alexandru Ioan Cuza University, Department of Research, Faculty of Biology, Iasi, Romania	Neurological toxicity of mercury poisoning
8.	Maria SANDU ¹ Anatol TĂRÎȚĂ ¹ Tudor LUPĂȘCU ² Galina DRAGALINA ³ Elena Moșanu ¹	¹ Institute of Ecology and Geography, Chișinău, Republic of Moldova ² Institute of Chemistry, Chișinău, Republic of Moldova ³ Faculty of Chemistry and Chemical Technology, State University of Moldova, Chișinău, Republic of Moldova	Impact of ethanol, methanol and sulfides on the nitrification process of ammonium ions in natural waters
9.	Alina AGAFIȚEI ¹ Vasile Lucian PAVEL ¹ Cristina Mihaela VÎRLAN TOMA ¹ Daniel TOMA ¹	¹ "Gheorghe Asachi" Technical University of Yassy, Faculty of Hydrotechnics, Geodesy and Environmental Engineering, Romania	Aspects regarding hydraulic modelling of the water supply system of Timișoara city
10.	Viorica RARINCA ¹ Alin CIOBÎCĂ ² Alin-Constantin DÎRȚU ³ Mircea NICOARĂ ⁴ Gabriel PLĂVAN ⁴	¹ Alexandru Ioan Cuza, University of Iasi, Doctoral School of Geoscience, Faculty of Geography and Geology, Iași, Romania ² Alexandru Ioan Cuza University, Department of Research, Faculty of Biology, Iasi, Romania ³ Alexandru Ioan Cuza University, Faculty of Chemistry, Iasi, Romania ⁴ Alexandru Ioan Cuza University, Faculty of Biology, Iasi, Romania	Pesticides and industrial compounds - impact on zebrafish (<i>Danio rerio</i>) social behaviour
11.	Angelica RUSU ¹ Gabriel PLĂVAN ² Dorel URECHE ³ Ion COJOCARU ² Mircea NICOARĂ ^{1,2}	¹ Alexandru Ioan Cuza, University of Iasi, Faculty of Geography and Geology, Iași, Romania, Doctoral School of Geosciences ² Alexandru Ioan Cuza University, Faculty of Biology, Iasi, Romania ³ "Vasile Alecsandri" University of Bacau, Depart. of Biology, Ecology and Environmental Protection, Faculty of Sciences, Romania	The trophic spectrum of the Mediterranean barbel (<i>Barbus meridionalis petenyi</i>) population in the Trotuș river basin



Session 3

Soil Degradation and Land Use Change impact

Ora 12:00

Link acces: <https://uaic.webex.com/uaic/j.php?MTID=m9e338f7e00ad3a60e339b366540f819e>

Chairman: Gheorghe JIGĂU/Lilian NIACȘU

1.	Alexandru-Ionuț PETRIȘOR ¹ Liliana Elza PETRIȘOR ²	¹ Ion Mincu University of Architecture and Urban Planning ² Independent researcher/architect	Recent land cover and use in Romania: A conservation perspective
2.	Gheorghe JIGĂU ¹	¹ State University of Moldova	Neohydromorphism, the place in the evolution of chernozems in climate change conditions.
3.	Angela STADNIC ¹ Cristian JIGĂU ¹ Boris TURCHIN ¹ Nina PLĂCINTĂ ¹ Gheorghe JIGĂU ¹	¹ State University of Moldova	Agroecological analysis of the dynamics of the aggregate structure of the typical humiferous moderate chernozem during the vegetation period
4.	Silvia VACULA ¹ Lilian NIACȘU ¹ Elena Diana BOBRIC ² Ionuț VASILINIUC ¹	¹ Alexandru Ioan Cuza, University of Iași, Faculty of Geography and Geology, Iași, Romania ² Integrated Center of Environmental Science Studies in the North-Eastern Region—CERNESIM, Alexandru Ioan Cuza University of Iași, Iași, Romania	Land degradation by soil erosion and sedimentation within Sarata catchment, Republic of Moldova
5.	Doina Smaranda SÎRBU-RĂDĂȘANU ¹ Ramona HUZUM ²	¹ Alexandru Ioan Cuza, University of Iași, Faculty of Geography and Geology, Iași, Romania, Geology Department ² Integrated Center of Environmental Science Studies in the North-Eastern Region—CERNESIM, Alexandru Ioan Cuza University of Iași, Iași, Romania	Impact of MN ore waste on soil from Dealu Rusului - Bistrița Mountains
6.	Ionuț - Costel CODRU ¹ Lilian NIACȘU ¹	¹ Alexandru Ioan Cuza, University of Iași, Faculty of Geography and Geology, Iași, Romania	Correlations between gully headcuts distribution and the land cover, lithology, respectively terrain morphometry of the Moldavian Plateau



Session 4

Natural and Anthropogenic Environmental Risks

Ora 12:00

Link acces: <https://uaic.webex.com/uaic/j.php?MTID=mf6e082c4d53c72b5a1ee237b73178c3d>

Chairman: **Mihai LUCA/ Andrei ENEA**

1.	Ana JELEAPOV ¹	¹ Institute of Ecology and Geography, Chisinau, Moldova	Evaluation of the Dniester river flood dynamics and flood hazard/risk areas using hydrodynamic modeling
2.	Maria NEDEALCOV ¹ Ala DONICA ² Nicolae GRIGORAȘ ²	¹ Laboratory of Climatology and Environmental Risks, Institute of Ecology and Geography, the Republic of Moldova ² Research group "Forest Ecobiochemistry", Institute of Ecology and Geography, the Republic of Moldova	Ecoclimatic indices in expressing the vulnerability of forest ecosystems to climate aridization (case study - Cărbuna Landscape Reserve)
3.	Mihaela AVRAM ¹ Mihai LUCA ²	¹ Siret Water Basin Agency, Bacău, Romania ² Technical University "Gheorghe Asachi" of Iasi, Dept. of Hydroamelioration and Environ. Prot., Faculty of Hydrotechnics, Geodesy and Environmental Engineering	Fast floods on the tributaries Trotuș river in the context of current climate change
4.	Ștefan – Andrei STICEA ¹ Mihai LUCA ²	¹ Technical University "Gheorghe Asachi" of Iasi, Romania, Faculty of Hydrotechnics, Geodesy and Environmental Engineering ² Technical University "Gheorghe Asachi" of Iasi, Dept. of Hydroamelioration and Environ. Prot., Faculty of Hydrotechnics, Geodesy and Environmental Engineering	Research on the adaptation of the irrigation regime in the Moldova area to the variation of climate factors
5.	Violeta DOMINTE (CROITORU) ¹ Mihai LUCA ²	¹ Technical University "Gheorghe Asachi" of Iasi, Romania, Faculty of Hydrotechnics, Geodesy and Environmental Engineering ² Technical University "Gheorghe Asachi" of Iasi, Dept. of Hydroamelioration and Environ. Prot., Faculty of Hydrotechnics,	Considerations regarding the reduction of the flood risk on the Jijia river



Geodesy and Environmental Engineering

6.	Ruxandra IONCE ¹ Iuliana-Gabriela BREABĂN ¹	¹ IDN Research, Trondheim, Norway	A Case Based, Combined LCA and S-ROI Methodology for Sustainable Mining in the Suceava County, Romania
7.	Andra-Cosmina ALBULESCU ¹ Daniela LARION ¹ Adrian GROZAVU ¹	¹ Alexandru Ioan Cuza, University of Iași, Faculty of Geography and Geology, Iași, Romania	Post-earthquake emergency interventions for the most vulnerable residential buildings in Galați city. A GIS-based approach
8.	Ioan BALAN ¹ Alexandru TOPOLNICEANU ¹ Andrei BERINDEAN ¹ Loredana CRENGANIȘ ¹ Isabela BALAN ² Flaviana CORDUNEANU ³ Denis ȚOPA ³	¹ Technical University "Gheorghe Asachi" of Iași, Romania ² Water Basinal Administration Prut-Bârlad, Iași, Romania ³ University of Agricultural Sciences and Veterinary Medicine, Iași, Romania	Studies regarding the safety in operation of the Cuibul Vulturilor reservoir, Vaslui county, Romania
9.	Ioan BALAN ¹ Andrei BERINDEAN ¹ Alexandru TOPOLNICEANU ¹ Loredana CRENGANIȘ ¹ Isabela BALAN ² Flaviana CORDUNEANU ³ Denis ȚOPA ³	¹ Technical University "Gheorghe Asachi" of Iași, Romania ² Water Basinal Administration Prut-Bârlad, Iași, Romania ³ University of Agricultural Sciences and Veterinary Medicine, Iași, Romania	Research on the infiltrations in an earth dam. Case study: Cuibul Vulturilor reservoir, Vaslui county, Romania
10.	Galina MÂNDRU ¹	¹ Institutul de Ecologie și Geografie, Chișinău, Republica Moldova	Estimarea prejudiciilor cauzate de căderile masive de grindină pe teritoriul Republicii Moldova
11.	Gabriela MENTIU ¹	¹ Liceul Teoretic Carei, Carei, Jud. Satu Mare, Romania	Impactul unor factori antropici asupra degradării ecosistemelor și reducerii biodiversității rezervațiilor naturale de interes național din cadrul sitului de importanță comunitară - Câmpia Careiului
12.	Silvia GAROFALIDE Vasile PELIN ^{1,2} Silviu GURLUI ² Ion SANDU ^{3,4,5} Liviu LEONTIE ^{2,5}	¹ Alexandru Ioan Cuza, University of Iași, Doctoral School of Geoscience, Faculty of Geography and Geology, Iași, Romania ² Alexandru Ioan Cuza, University of Iași, Faculty of Physics, Optical Atmosphere, Lasers and Spectroscopy Laboratory (LOA-SL) ³ Associated Member - Academy of Romanian Scientists (AOSR), Bucharest, Romania ⁴ Alexandru Ioan Cuza, University of Iași, Institute of Interdisciplinary Research, Iași, Romania ⁵ Honorary President - Romanian	The effects of urban air pollutants on some urban constructions in the Podul de Piatră area, of the Iași City, Romania



13.	Paul-Vivian SION ¹ Mihaela AVRAM ² Mihai LUCA ³	Inventors Forum, Iași, Romania ¹Technical University "Gheorghe Asachi" of Iași, Romania, Faculty of Hydrotechnics, Geodesy and Environmental Engineering ²Siret Water Basin Agency, Bacău, Romania ³Technical University "Gheorghe Asachi" of Iași, Dept. of Hydroamelioration and Environ. Prot., Faculty of Hydrotechnics, Geodesy and Environmental Engineering Studies and research on the phenomenon of hydrodynamic erosion in river beds
14.	Georgiana VĂCULIȘTEANU ¹ Mihai Ciprian MĂRGĂRINT ¹ Mihai NICULIȚĂ ¹	¹Alexandru Ioan Cuza, University of Iași, Faculty of Geography and Geology, Iași, Romania Using Normalized Difference Vegetation Index as indicator for grassland dynamics in the Moldavian Plateau



Session 5

Environmental Geography and Urban Planning Monitoring and Nature Conservation

Ora 12:00

Link acces: <https://uaic.webex.com/uaic/j.php?MTID=m385b5725534782176b7fa1a3e855be16>

Chairman: Alexandru-Ionuț PETRIȘOR/ Cristian-Constantin STOLERIU/Pavel Ichim

a. Environmental Geography and Urban Planning

1.	Cristina-Gabriela MITINCU ¹ Cristian-Ioan IOJĂ ¹	University of Bucharest, Faculty of Geography	The use of focus group method: Project planning and development for growing greener cities
2.	Samah FLISSI ¹ Meriem CHABOU OTTOMANI ¹ Leila HAMDAD ² Alexandru-Ionuț PETRIȘOR ³	¹ École Polytechnique d'Architecture et d'Urbanisme, Algiers, Algeria ² École Nationale Supérieure d'Informatique, Algiers, Algeria ³ Ion Mincu University of Architecture and Urban Planning	Post occupancy evaluation using fuzzy logic for slum resettlements in Algeria. Case study: Rachid Kourifa's host housing site in El Harrach, Algiers, Algeria
3.	Constantin-Alexandru STOIAN ¹ Alexandra SANDU ^{1,2}	¹ Alexandru Ioan Cuza, University of Iasi, Faculty of Geography and Geology, Iași, Romania ² University of Lyon, France	Sprawling Development Patterns in Iași's Metropolitan Area
4.	Ivan MOROZ	Institute of Ecology and Geography, Chișinău, Republic of Moldova	The impact of tourism on the environment in the main tourist areas in the Northern Development Region of the Republic of Moldova.
5.	Athanasios-Alexandru GAVRILIDIS ¹ Diana-Andreea ONOSE ¹ Simona-Raluca GRĂDINARU ¹ Ana-Maria POPA ¹ Andreea-Raluca SLAVE ¹	¹ University of Bucharest, Center for Environmental Research and Impact Studies	Management challenges in small urban green spaces - a 10-year literature review
6.	Daniela BURDUJA ¹	¹ Institutul de Ecologie și Geografie din Chișinău, Republica Moldova	Utilizarea resurselor de apă în regiunea de sud a Republicii Moldova
7.	Oliver-Valentin DINTER ¹ Lucian ROȘU ¹ Cristian-Manuel FOȘALĂU ¹	¹ Alexandru Ioan Cuza, University of Iasi, Faculty of Geography and Geology, Iași, Romania	Consequences of New Residential Complexes Development on the Quality of Built Environment in the Urban Fringe of Iasi Municipality
8.	Bianca Elena SOLOMON ¹ Lucian ROȘU ¹	¹ Alexandru Ioan Cuza, University of Iasi, Faculty of Geography and	Evaluating structural changes in Iasi historical city center; predictor for



	Mihai BULAI ¹ Oliviu Valentin Dinter ₁	Geology, Iași, Romania	gentrification?
9.	Diana Andreea ONOSE ¹ Mihai Razvan NIȚĂ ¹ Athanasios Alexandru GAVRILIDIS ¹ Ana Maria POPA ¹ Nicoleta Larissa STOIA ¹	¹ University of Bucharest - CCMESI, Bucharest, Romania	Framework for assessing the transformation challenges of Romanian cities
10.	Mihaela-Orlanda ANTONOVICI(MUNTEANU) ¹ , Chim Ion SANDU ^{2,3} , Ioan Gabriel SANDU ⁴ , Simona DUMITRIU (URSACHE) ¹ , Cristina Carmen STÎNGU (PALICI) ⁵	¹ Alexandru Ioan Cuza University, Faculty of Geography and Geologie, Geoscience Doctoral School, Environmental Science Field, Iași, România ² Alexandru Ioan Cuza University, ARHEOINVEST Interdisciplinary Platform, Iași, Romania ³ Romanian Inventors Forum, 3 Sf. Petru Movilă St., Iași, Romania ⁴ Gheorghe Asachi Technical University of Iași, Faculty of Material Sciences and Engineering, Iași, Romania ⁵ Vasile Alecsandri University of Bacau, Department of Environmental Engineering and Mechanical Engineering, Bacau, Romania	The influence of halotherapy on the development of human performance in students

b. Monitoring and Nature Conservation

1.	Ana-Maria ANASTASIEI ¹ Lilian NIACȘU ¹	¹ Alexandru Ioan Cuza, University of Iași, Faculty of Geography and Geology, Iași, Romania	Defining the nature and purpose of geotourism with particular reference to the city of Iași and Moldovian Plateau
2.	Ali HADJELA ¹ Imane FANTAZI ¹ Said MAZOUZ ²	¹ Faculty of Architecture and Urban Planning, University Salah Boubnider Constantine 3, Constantine, Algeria ² Faculty of Architecture and Urban Planning, University Larbi Ben M'hidi, Oum Bouaghi, Algeria	L'habitat medinois comme facteur d'investissement durable - l'expérience thermique -
3.	Constantin BULIMAGA ¹ Anastasia PORTARESCU ¹ Corina CERTAN ¹	¹ Institute of Ecology and Geography, Chisinau, Republic of Moldova	Estimation of the above-ground vegetal mass of the grass layer in the Balti urban ecosystem, Ghindești, Mărculești suburban ecosystems (Floresti district)
4.	Cristina GÂRLEA ¹ Cornelia MARIN ²	¹ Academia Romana; Centrul de Studii și Cercetări de	Conservarea biodiversității în condiții de criză



Manole St. ȘERBULEA³

Biodiversitate Agrosilvică "Acad.

David Davidescu", București,

România

²One Health Romania, București,

România

³Universitatea Tehnică; de

Construcții București

5. Ioana AGAPIE (MEREUȚĂ)¹
Mihai LUCA²

¹Technical University "Gheorghe Asachi" of Iasi, Romania

²Technical University "Gheorghe Asachi" of Iasi, Dept. of Hydroamelioration and Environ. Prot., Faculty of Hydrotechnics, Geodesy and Environmental Engineering

Assessment of safety in operation of the Podișu Accumulation from Iași county in the conditions of the current climate changes

6. Cristina GÂRLEA¹
Cornelia MARIN²
Mariana PIPIRIGEANU³

¹Academia Română; Centrul de Studii și Cercetări de Biodiversitate Agrosilvică "Acad. David Davidescu", București, România

²One Health Romania, București, România

³Institutul Național de Cercetare - Dezvoltare pentru Protecția Mediului

Banci bioinformatică utilizate printru adaptarea la schimbările climatice



Session 6

G.I.S and Remote Sensing in Environmental Studies Sustainable Development

Ora 12:00

Link acces: <https://uaic.webex.com/uaic/j.php?MTID=m36a5bbd59125211a953c62650ea104c0>

Chairman: Adrian URSU / Marina IOSUB / Lucian ROȘU

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

1.	Marina STĂUCEANU ¹ Cristian-Constantin STOLERIU ¹ Andrei URZICĂ ¹ Iuliana-Gabriela BREABĂN ¹	¹ Alexandru Ioan Cuza, University of Iași, Faculty of Geography and Geology, Iași, Romania	Modeling of Ecosystem Services in the analysis of habitat quality within the Călimani National Park
2.	Monica Gabriela PARASCHIV ¹ Cristian Ioan IOJĂ ¹ Simona R. GRĂDINARU ¹	¹ Centrul de Cercetare a Mediului și de Efectuare a Studiilor de Impact (CCMESI), Facultatea de Geografie, Universitatea din București	Evaluarea impactului potențial al abandonului terenurilor asupra securității alimentare a orașelor din România utilizând imagini satelitare și tehnici de machine learning
4.	Vitalie DILAN ¹	¹ Tiraspol State University	Building a GIS Database of Protected Areas in the Republic of Moldova based on INSPIRE Data Specification on Protected Sites
5.	Marina STĂUCEANU ¹ Cristian-Constantin STOLERIU ¹ Andrei URZICĂ ¹	¹ Alexandru Ioan Cuza, University of Iași, Faculty of Geography and Geology, Iași, Romania	Identification of Pressures and Threats within the Tudora Forest reservation
6.	Valeriu STOILOV-LINU ¹ Mihai NICULIȚĂ ¹ Dan DUMITRIU ¹	¹ Alexandru Ioan Cuza, University of Iași, Faculty of Geography and Geology, Iași, Romania	Geomorphological planform typology of the Bistricioara River channel (Eastern Carpathians, Romania)
7.	Alexandra Petronela STOLERIU ¹ , Elena Diana BOBRIC ^{1,2} , Iuliana Gabriela BREABĂN ^{1,2}	¹ Institute of Interdisciplinary Research - ICI-UAIC, Integrated Center of Environmental Science Studies in the North Eastern Region - CERNESIM, Iași, Romania ² „Alexandru Ioan Cuza” University of Iași, Faculty of Geography and Geology, Department of Geography	Crop monitoring with multi-temporal Sentinel 2 images in NE part of Romania
8.	Vasile JITARIU ¹ Vasilica ISTRATE ¹ Adrian URSU ¹ , Pavel ICHIM ¹	¹ Alexandru Ioan Cuza, University of Iași, Faculty of Geography and Geology, Iași, Romania	Tracking the hail impact on orchards through remote sensing methods. Study case: 18. 06. 2016



Adrian ISTRATE¹

9. Adrian URSU¹
Cristian Constantin
STOLERIU¹
Constantin ION²
Vasile JITARIU¹
Andrei ENEA^{1,3}

¹ Alexandru Ioan Cuza, University
of Iași, Faculty of Geography and
Geology, Iași, Romania

² Faculty of Biology, Alexandru

Ioan Cuza University

³ Institute of Interdisciplinary
Research - ICI-UAIC, Integrated
Center of Environmental Science
Studies in the North Eastern
Region - CERNESIM, Iași, Romania

**Romanian Natura 2000 Network:
Evaluation of the Threats and Pressures
through the Corine Land Cover Dataset**

b. Sustainable Development

- | | | |
|---|---|---|
| 1. Gherman BEJENARU ¹
Vitalie DILAN ¹ | ¹ Tiraspol State University,
Chișinău, Moldova, Republic of
Moldova | Evaluarea resurselor de apă din bazinul
râului Răuț în contextul transformărilor
de mediu |
| 2. Zakaria GHEDJATI ¹
Souad SASSI BOUDEMAGH ¹ | ¹ Constantine3 University,
Constantine, Algeria | Construction site in the city, impact and
perspective for a sustainable
management |
| 3. Marinela ISTRATE ¹
Andreea FEDOR ¹ | ¹ Alexandru Ioan Cuza, University
of Iași, Faculty of Geography and
Geology, Iași, Romania | Citizens' perception of climate change
and European Green Deal. The case of
Central and Eastern European Countries |
| 4. Lucian ROȘU ¹
Mihai BULAI ¹
Ema CORODESCU-ROȘCA ¹
Alexandra CEHAN ¹ | ¹ Alexandru Ioan Cuza, University
of Iași, Faculty of Geography and
Geology, Iași, Romania | Neamț - a sustainable destination? The
long road from theory to practice. |
| 5. Ana-Maria OPRIA ¹
Ema CORODESCU-ROȘCA ¹
Lucian ROȘU ¹ | ¹ Alexandru Ioan Cuza, University
of Iași, Faculty of Geography and
Geology, Iași, Romania | A spatial perspective on the development
of rural tourism under the LEADER
umbrella |
| 6. Alina NISTOR ^{1,2}
Bogdan NISTOR ^{1,3,4}
Dumintru MIHĂILĂ ¹ | ¹ „Ștefan cel Mare” University of
Suceava, România, Department
of Geography,
² Gymnasium School „Vasile
Tomegea” Boroaia, Suceava
³ Gymnasium School Nr. 4
Suceava
⁴ Gymnasium School „Ion
Creangă” Suceava | Evaluation of ozone pollution in the NE
Region of Romania |



Session 7

Environment Protection Laws and Policies Education for Environment Protection

Ora

Link acces: <https://uaic.webex.com/uaic/j.php?MTID=me00ba36609ed664b5f507d425b2245dc>

Chairman: Gheorghe DURAC / Vasile JITARIU

a. Environment Protection Laws and Policies

1.	Gheorghe DURAC	Alexandru Ioan Cuza, University of Iasi, Faculty of Law	Prioritățile politicii de mediu a uniunii europene în contextul implementării agendei 2030 pentru dezvoltare durabilă
2.	Cezar SCARLAT ¹ Alexandru-Ionuț PETRIȘOR ²	¹ Politehnica University of Bucharest ² Ion Mincu University of Architecture and Urban Planning	Old proverbs for a future sustainable development: An environmental management perspective / Proverbe vechi pentru un viitor sustenabil: perspectiva managementului mediului
3.	Mirela DANUBIANU ¹ Cristian TEODORESCU ²	¹ "Ștefan cel Mare" University of Suceava, Suceava, Romania ² GEC-Bucovina - Suceava	Romanian answers for current challenges: energy, climate changes, COVID-19
4.	Nicoleta-Nona ARDELEANU ¹ Iuliana-Gabriela BREABĂN ¹	¹ Alexandru Ioan Cuza, University of Iasi, Faculty of Geography and Geology, Iași, Romania	Biodiversity Policies, opportunities for restoring the economy
5.	Luminita GHITA ¹	"Carol I" National Defense University, Bucharest, Romania	Negotiations process on strengthen the international environmental governance - United Nations Environment Assembly and the Global Pact for the Environment
6.	ARDELIAN Dan Vasile ¹ , BRAGHINĂ Cristian ¹	¹ Universitatea din București, Facultatea de Geografie	Dimensiunea actuală a metodei structurii arborilordecizionali utilă în studiile de reinserție socială a persoanelor private de libertate

b. Education for Environment Protection

7.	Livia DURAC ¹	¹ Universitatea "Petre Andrei" din Iași, România	Interferențe ale educației în procesul de formare și consolidare a conduitei civice referitoare la protecția mediului
8.	Viorel PARASCHIV ¹ Jeno TROMBITAS ²	¹ ACOCERO/Liceul Economic de Turism Iași ² Colegiul Economic Năsăud, județul Bistrița Năsăud	Importanța ecologică a cenotelor din peninsula Yucatan



9. Epure Teodor

Școala Gimnazială Adrian
Porumboiu Muntenii de
Jos/Colegiul Economic
Anghel Rugină-Vaslui

**Schimbări în statusul economic și cultural al
unor așezări urbane din România sau cum s-
au adaptat comunitățile urbane la noile
situații**