

# Curriculum Vitae



## Personal Information

Surname(s) / First name(s)

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Nationality Romanian

Date of birth 08. 06. 1979

Gender Male

## Occupational field

**Director of Department of Geography, Faculty of Geography and Geology, Alexandru Ioan Cuza University of Iasi, Romania  
Associate professor/Hydrology and Ocenography, Romanian Hydrology, Hydrological risks, Hydrogeology , Water Resources Management**

## Work experience

Period September 2024 – ongoing

Occupation or position held

Main activities and responsibilities

Period

Occupation or position held

Main activities and responsibilities

Name and address of employer

Type of business or sector

Period

Occupation or position held

Main activities and responsibilities

Name and address of employer

Type of business or sector

Period

Occupation or position held

**Minea Ionuț**

**Director of Department of Geography, Faculty of Geography and Geology,**

**Alexandru Ioan Cuza University of Iasi, Romania**

**Associate professor/Hydrology and Ocenography, Romanian Hydrology, Hydrological**

**risks, Hydrogeology , Water Resources Management**

**Associated expert to EY EPAS**

provision of expertise on hydrology in projects and proposals

3<sup>rd</sup> October 2016 – till prezent, Departament of Geography, Faculty of Geography and Geology from „Alexandru Ioan Cuza” University from Iasi, Romania

**Associate professor**

Didactic activities in the field of Hydrology and Ocenography, Management of Water resources. Romanian Hydrology, Hydrological Risks and Aplication of GIS tehniques in water resources management

Faculty of Geography and Geology from „Alexandru Ioan Cuza” University from Iasi, Romania

Educational, research

1<sup>st</sup> October 2011 – 2<sup>nd</sup> October2016, Departament of Geography, Faculty of Geography and Geology from „Alexandru Ioan Cuza” University from Iasi, Romania 1

**Lecturer**

Didactic activities in the field of Hydrology and Ocenography, Management of Water resources. Romanian Hydrology, Hydrological Risks and Aplication of GIS tehniques in water resources management , Hydrogeology and Hydrobiology, Limnology Research activities in projects financed by PNCDII programme

Faculty of Geography and Geology from „Alexandru Ioan Cuza” University from Iasi, Romania

Educational, research

1. 20<sup>th</sup> February 2006– 30<sup>th</sup> September 2011, Departament of Geography, Faculty of Geography and Geology from „Alexandru Ioan Cuza” University from Iasi, Romania
2. May –AUGUST 2008, "Delta Dunării" National Institute for research and Development (cooperation agreement), Tulcea, Romania

**Assistant professor**

Main activities and responsibilities	1. Didactic activities in the field of Hydrology and Ocenography, Management of Water resources. Romanian Hydrology, Hydrological Risks and Application of GIS techniques in water resources management , Hydrogeology and Hydrobiology, Limnology Research activities in projects financed by CNCSIS, CEEX and PNCDII programme 2. photo-interpretation of work units <i>L-34-11 (A,B,C,D), L-34-23 (A,B,C,D), L-34-143 (C,D) in the project Corine Land Cover 2006</i> , financed by European Environment Agency (EEA)
Name and address of employer	1. Faculty of Geography and Geology from „Alexandru Ioan Cuza” University from Iasi, Romania 2. "Delta Dunării" National Institute for Research and Development, Tulcea, Romania
Type of business or sector	Educational, research
Period	1. 24 <sup>th</sup> February 2003 -20 <sup>th</sup> February 2006 Departament of Geography, Faculty of Geography and Geology from „Alexandru Ioan Cuza” University from Iasi, Romania 2. March-May 2005 "Delta Dunării" National Institute for research and Development (cooperation agreement), Tulcea, Romania
Occupation or position held	<b>Instructor</b>
Main activities and responsibilities	1. Didactic activities in the field of Hydrology and Ocenography, Management of Water resources. Romanian Hydrology, Hydrological Risks and Application of GIS techniques in water resources management , Hydrogeology and Hydrobiology, Limnology Research activities in projects financed by CNCSIS 2. photo-interpretation of work units <i>L-34-83 (A,B,C,D), L-34-84 (A,B,C,D), L-34-95 (A,B,C,D) și L-34-96 (A,B,C,D) in the project Corine Land Cover 2000</i> , financed by European Environment Agency (EEA)
Name and address of employer	1. Faculty of Geography and Geology from „Alexandru Ioan Cuza” University from Iasi, Romania 2. "Delta Dunării" National Institute for Research and Development, Tulcea, Romania
Type of business or sector	Educational, research
<b>Education and training</b>	
Period	<b>1<sup>st</sup> October 2011- 30<sup>th</sup> September 2012</b>
Title of qualification awarded	Advanced scientific research
Principal subjects/occupational skills covered	Postdoctoral Scholarship funded by the project "Trans-national network of integrated management for post-doctoral research in the field of Science Communication. Institutional construction (post-doctoral school) and fellowship Programme (CommScie)" POSDRU/89/1.5/S/63663
Name and type of organisation providing education and training	Faculty of Geography and Geology from „Alexandru Ioan Cuza” University from Iasi, Romania
Period	<b>1<sup>st</sup> November 2004 – 17<sup>th</sup> December 2009</b>
Title of qualification awarded	Docotral degree in Natural Science
Principal subjects/occupational skills covered	Research activities
Name and type of organisation providing education and training	Faculty of Geography and Geology from „Alexandru Ioan Cuza” University from Iasi, Romania
Period	<b>15<sup>th</sup> March 2007 -15<sup>th</sup> June 2007</b>
Title of qualification awarded	Certificate of competence
Principal subjects/occupational skills covered	„Nicolae Titulescu” Postgraduate Scholarship
Name and type of organisation providing education and training	Universitet i Oslo, Faculty of Mathematics and Natural Sciences, Department of Geosciences, Oslo, Norway
Period	<b>1<sup>st</sup> October 2002 – 1<sup>st</sup> June 2004</b>
Title of qualification awarded	Master degree
Principal subjects/occupational skills covered	Soil Science
Name and type of organisation providing education and training	Faculty of Geography and Geology from „Alexandru Ioan Cuza” University from Iasi, Romania
Period	<b>1<sup>st</sup> October 1998– 15<sup>th</sup> June 2002</b>
Title of qualification awarded	Bachelor degree

Principal subjects/occupational skills covered Name and type of organisation providing education and training	Geography Faculty of Geography and Geology from „Alexandru Ioan Cuza” University from Iasi, Romania																								
<b>Personal skills and competences</b>																									
<b>Romanian</b>																									
Mother tongue(s)	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2" style="text-align: center;">Understanding</th> <th colspan="2" style="text-align: center;">Speaking</th> <th colspan="2" style="text-align: center;">Writing</th> </tr> <tr> <th colspan="2" style="text-align: center;">Listening</th> <th colspan="2" style="text-align: center;">Reading</th> <th colspan="2" style="text-align: center;">Spoken interaction</th> <th colspan="2" style="text-align: center;">Spoken production</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">B2</td><td style="text-align: center;">Independent user</td> </tr> </tbody> </table>	Understanding		Speaking		Writing		Listening		Reading		Spoken interaction		Spoken production		B2	Independent user								
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<i>European level (*)</i>																									
(*)Common European Framework of Reference for Languages																									
<b>Areas of competence</b>																									
<b>Scientific Papers (Annex 1)</b>																									
<b>Papers presented at scientific meetings (Annex 2)</b>																									
<b>Research projects (Annex 3)</b>																									
<b>Citations (Annex 4)</b>																									

## **Suplimentary informations**

Environmental skills acquired through participation between 1<sup>st</sup> and 4<sup>th</sup> June 2009 at the International Workshop: Concepts in Environmental Science and Engineering, organized by the Institute of International Health, Michigan State University (in collaboration with the "Gh.Asachi" Technical University from Iasi, Polytechnic University from Bucharest, Institute of Public Health from Bucharest and "Alexandru Ioan Cuza" University from Iasi) within the program Training and Research in Environmental Health in the Balkans (TREHB), NIH / John E. Fogarty International Center, program 2 D43 USA TW00641

### **Internships/documentation stage/scholarships domestic and/or international:**

**Turin, Italy – 11-26 November 2006,** Università degli studi di Torino, Dipartimento di Scienze della Terra, documentation stage financed CEEEX Contract 756/2006, *Impactul riscurilor hidro-climatic și pedo-geomorfologice asupra mediului în bazinul Bârladului (IRIS)*, contract director prof.dr. Constantin Rusu;

**Oslo, Norway – 15 March – 15 June 2007,** Universitet i Oslo, Faculty of Mathematics and Natural Sciences, Department of Geosciences, „Nicolae Titulescu” Postgraduate Scholarship

**Trondheim, Norvegia – 1-5 September 2014** exchange teaching scholarship in the program Scholarship Fund Financed through the EEA Financial Mechanism 2009-2014 at the University of Trondheim (Norwegian University of Science and Tehcnology, Department of Geography)

**Isparta, Turkey – 4-8 April 2016** teaching internship in the ERASMUS+ program at Suleiman Demirel University, Isparta

**Ostrava, Czech Republic – 3-7 aprilie 2017** teaching internship in the ERASMUS+ program at University of Ostrava

**Isparta, Turkey – 10-14 September 2018** teaching internship in the ERASMUS+ program at Suleiman Demirel University, Isparta

**Denizli, Turkey 16-20 September 2019** teaching internship in the ERASMUS+ program at Pammukale University, Denizli

**Denizli, Turkey, 10-14 May 2022** teaching internship in the ERASMUS+ program at Pammukale University, Denizli

**Reykjavik, Iceland, 23-29 October 2024** teaching internship in the ERASMUS+ program at University, of Reykjavik, Iceland

### **Administrative activity**

- member of the Council of the Faculty of Geography and Geology in the mandates 2012-2016, 2016-2020, 2020-2024, 2024-2029.
- the coordinator of the activities related to the student practice at the bachelor and master cycles within the Department of Geography in the period 2012-present
- member of the Council of the Department of Geography in the term 2020-2024; 2024-2029.
- alternate member of the Senate of the “Alexandru Ioan Cuza” University of Iași in the term 2020-2024 and full member since 2024
- Director of the Physical-Geographic and Environmental Quality Monitoring Research Station Mădărjac (Iași County) from 1.11.2020 to 30.06.2024;
- Director of the Department of Geography, Faculty of Geography and Geology, Alexandru Ioan Cuza University of Iași

## **Annexes**

**Annex 1 List of scientific papers published**

**Annex 2 List of papers presented at scientific meetings**

**Annex 3 List of scientific research contracts**

## ANNEX 1

### LIST OF SCIENTIFIC PAPERS PUBLISHED

#### A. Books and chapters:

1. Minea I. 2023. Introducere în Hidrologie și Ocenografie, Edit. Tehnpress, Iași, 203 pag. ISBN 978-606-687-511-0.
2. Mihai F.C, Minea I., Ulman S.R 2023. Water resources preservation through circular economy: The case of Romania, Editor(s): Miltiadis G. Zamparas, Grigorios L. Kyriakopoulos, Water Management and Circular Economy, Chapter 8. Elsevier, 143-176, ISBN 9780323952804, <https://doi.org/10.1016/B978-0-323-95280-4.00002-3>.
3. Minea, I., Iosub, M., Enea, A., Boicu, D., Chelariu, O.E. 2022. Hydrological Extremes Anomalies and Trends in Lower Danube Basin: Case Study—Romanian Drainage Area Between Siret and Prut Rivers. In: Negm, A., Zaharia, L., Ioana-Toroimac, G. (eds) The Lower Danube River. Earth and Environmental Sciences Library. Springer, Cham. [https://doi.org/10.1007/978-3-031-03865-5\\_13](https://doi.org/10.1007/978-3-031-03865-5_13).
4. Zelenakova M., Negm A.M., Minea I. 2020. Introduction to “Water Resources Management in Balkan Countries”. In: Negm A., Romanescu G., Zelenakova M. (eds) Water Resources Management in Balkan Countries. Springer Water. Springer, Cham, 3-19. [https://doi.org/10.1007/978-3-030-22468-4\\_1](https://doi.org/10.1007/978-3-030-22468-4_1).
5. Minea I., Zelenakova M., Negm A.M. 2020. Update, Conclusions, and Recommendations for “Water Resources Management in Balkan Countries”. In: Negm A., Romanescu G., Zelenakova M. (eds) Water Resources Management in Balkan Countries. Springer Water. Springer, Cham, 457-469. [https://doi.org/10.1007/978-3-030-22468-4\\_17](https://doi.org/10.1007/978-3-030-22468-4_17)
6. Negm A.M., Zeleňáková M., Minea I. 2020. Introduction to “Water Resources Management in Romania”. In: Negm A., Romanescu G., Zeleňáková M. (eds) Water Resources Management in Romania. Springer Water. Springer, Cham, 3-13. [https://doi.org/10.1007/978-3-030-22320-5\\_1](https://doi.org/10.1007/978-3-030-22320-5_1).
7. Minea I. 2020. The Vulnerability of Water Resources from Eastern Romania to Anthropic Impact and Climate Change. In: Negm A., Romanescu G., Zeleňáková M. (eds) Water Resources Management in Romania. Springer Water. Springer, Cham, 229-250. [https://doi.org/10.1007/978-3-030-22320-5\\_7](https://doi.org/10.1007/978-3-030-22320-5_7).
8. Romanescu G., Minea I. 2020. Drought and Insolvency: Case Study of the Producer-Buyer Conflict (Romania, the Period Between the Years 2011–2012). In: Negm A., Romanescu G., Zeleňáková M. (eds) Water Resources Management in Romania. Springer Water. Springer, Cham, 489-515, [https://doi.org/10.1007/978-3-030-22320-5\\_15](https://doi.org/10.1007/978-3-030-22320-5_15)
9. Minea I., Negm A.M., Zeleňáková M. 2020. Update, Conclusions, and Recommendations for “Water Resources Management in Romania”. In: Negm A., Romanescu G., Zeleňáková M. (eds) Water Resources Management in Romania. Springer Water. Springer, Cham, 579-591, [https://doi.org/10.1007/978-3-030-22320-5\\_17](https://doi.org/10.1007/978-3-030-22320-5_17).
10. Minea I., Chelariu O.E., Iosub M., Boicu D. 2019. Hidrologia mediilor continentale. Aplicații practice 2.0, Edit. Transversal, Târgoviște, 165 pag. ISBN: 978-606-605-192-7.
11. Croitoru A.E., Piticar A., Sficiă L., Harpa G.V., Roșca C.F., Tudose T., Horvath C, Minea Ionuț, Ciupertea F.A., Scripcă A.B. 2018. Extreme temperature and precipitation events in Romania, Editura Academiei Române, București, 342 pag. ISBN 978-973-27-2833-8
12. Minea Ionuț (2012), *Bazinul hidrografic Bahlui. Studiu hidrologic*, Editura „Universității „Al.I.Cuza” Iași, 334 pag., ISBN: 978-973-703-748-0;
13. Romanescu Gh., Romanescu Gabriela, Minea Ionuț, Ursu A., Mărgărint M.C., Stoleriu C. (2005), *Inventarierea și tipologia zonelor umede din Podișul Moldovei – Studiu de caz pentru județele Botoșani și Iași*, Editura Didactică și Pedagogică, București, 165 pag, ISBN: 973-30-1701-9;
14. Minea Ionuț, Romanescu Gh. (2007), *Hidrologia mediilor continentale. Aplicații practice*, Casa Editorială Demiurg, Iași, 221 pag, ISBN: 973-7603-76-1;

#### B. Articles listed in Web of Science

- 1) Albulescu A.D. Minea I., Larion D., Iosub M., Boicu D. 2023. Mapping over 80 years of wetland sensitivity to human intervention. the spatial dynamics of the lakes and wetlands of the Jijia-Iași Wetlands Ramsar site in 1935–2018. Journal of Environmental Engineering and Landscape Management, 31, Issue 4: 275–287, <https://doi.org/10.3846/jeelm.2023.20046>
- 2) Chelariu O.E., Minea I., Iațu C. 2023. Geo-hazards assessment and land suitability estimation for spatial planning using multi-criteria analysis, Heliyon, 9, 7, <https://doi.org/10.1016/j.heliyon.2023.e18159>.
- 3) Chelariu O.E., Iatu C., Minea I. 2022. A GIS-Based Model for Flood Shelter Locations and Pedestrian Evacuation Scenarios in a Rural Mountain Catchment in Romania. Water, 14, 3074. <https://doi.org/10.3390/w14193074>
- 4) Sficiă L., Minea I., Hrițac R., Amihăesci V.A., Boicu D. 2022. Projected changes of groundwater levels in northeastern Romania according to climate scenarios for 2020–2100, Journal of Hydrology: Regional Studies, 41, <https://doi.org/10.1016/j.ejrh.2022.101108>.

- 5) Minea I., Boicu D., Amihăiesei V., Iosub M. 2022. Identification of Seasonal and Annual Groundwater Level Trends in Temperate Climatic Conditions. *Front. Environ. Sci.* 10:852695. doi: 10.3389/fenvs.2022.852695.
- 6) Albulescu, A.C., Minea, I., Boicu, D., Larion, D. 2022. Comparative Multi-Criteria Assessment of Hydrological Vulnerability—Case Study: Drainage Basins in the Northeast Region of Romania. *Water*, 14, 1302. <https://doi.org/10.3390/w14081302>.
- 7) Minea I., Boicu D., Chelariu O.E., Iosub M., Enea A. 2022. Assessment of recharge capacity potential of groundwater using comparative Multi-Criteria Decision Analysis approaches, *J. Geogr. Sci.* 2022, 32(4): 735-756 <https://doi.org/10.1007/s11442-022-1970-0>.
- 8) Mihai F.C., Minea I. 2021. Sustainable alternatives routes versus linear economy and resources degradation in Eastern Romania, *Sustainability* 13 (19), doi: 10.3390/su131910574.
- 9) Minea I., Iosub M., Boicu, D. 2021. Multi-scale approach for different type of drought in temperate climatic conditions. *Nat Hazards*. <https://doi.org/10.1007/s11069-021-04985-2>.
- 10) Minea I., Chelariu O.E. 2021. Anomalies and trends of high river flow under temperate climatic conditions in north-eastern part of Romania, *Journal of water and climate change*, 12 (2):552-565, doi:10.2166/wcc.2020.124;
- 11) Minea I., Iosub M, Boicu D. 2020. Groundwater Resources from Eastern Romania under Human and Climatic Pressure. *Sustainability*. 12(24), doi:10.3390/su122410341.
- 12) Repel A., Jothiprakash V., Zelenáková M, Hlavata H., Minea I. 2020. Temporal Analysis of Daily and 10 Minutes of Rainfall of Poprad Station in Eastern Slovakia, *Hydrology*, 7, 32; doi:10.3390/hydrology7020032;
- 13) Minea I., Boicu D., Chelariu O.E. 2020. Detection of Groundwater Levels Trends Using Innovative Trend Analysis Method in Temperate Climatic Conditions, *Water*, 12, 2129, doi:10.3390/w12082129;
- 14) Rusu A., Ursu A., Stoleriu CC. Groza O., Nacsu L., Sfica L., Minea I., Stoleriu O.M. 2020. Structural Changes in the Romanian Economy Reflected through Corine Land Cover Datasets, *Remote Sens.* 2020, 12(8), 1323; <https://doi.org/10.3390/rs12081323>;
- 15) Iosub M., Minea I., Chelariu OE., Ursu A., 2020. Assessment of flash flood susceptibility potential in Moldavian Plain (Romania), *Journal of flood risk management*, 13:e12588. doi.org/10.1111/jfr3.12588.
- 16) Romanescu G., Hapciuc O.E. Minea I., Iosub M., 2018. Flood vulnerability assessment in the mountain-plateau transition zone. Case study for Marginea village (Romania), *Journal of Flood risk management*, 5502-5013 doi: 10.1111/jfr3.12249.
- 17) Minea I., 2017. Streamflow-Base Flow Ratio in a Lowland Area of North-Eastern Romania, ISSN 0097-8078, *Water Resources*, 44, 4, 579–585, doi.org/10.1134/S0097807817040121
- 18) Minea I., Croitoru A.E., 2017. Groundwater response to changes in precipitations in north-eastern Romania, *Environmental Engineering and Management Journal*, Vol. 16, No. 3, 643-651 <http://omicron.ch.tuiasi.ro/EEMJ/>;
- 19) Enea A., Hapciuc O.E., Iosub M., Minea I., Romanescu G. 2017. Water quality assessment in three mountainous watersheds from eastern Romania (Suceava, Ozana and Tazlau rivers), *Environmental Engineering and Management Journal*, Vol. 16, No. 3, 605-614 <http://omicron.ch.tuiasi.ro/EEMJ/>;
- 20) Hapciuc O.E., Romanescu G., Minea I., Iosub M., Enea A., Sandu I., 2016. Flood susceptibility analysis of the cultural heritage in the Sucevita catchment (Romania), *International Journal of Conservation Science*, vol 7, issue 2, april-june, 501-510. [http://ijcs.uaic.ro/public/IJCS-16-26\\_Hapciuc.pdf](http://ijcs.uaic.ro/public/IJCS-16-26_Hapciuc.pdf)
- 21) Romanescu G., Hapciuc O.E., Sandu I., Minea I., Dascalălu D., Iosub M., 2016. Quality indicators for Suceava river, *Revista de Chimie*, vol. 67, no. 2, 245-249, <http://www.revistadechimie.ro/archive.asp?last=1>;
- 22) Romanescu G., Iosub M., Sandu I., Minea I., Enea A., Dăscălu D., Hapciuc OE. 2016. Spatio-temporal Analysis of the Water Quality of the Ozana River, *Revista de Chimie*, vol .67, no.1, 42- 47, (<http://www.revistadechimie.ro/archive.asp?last=1>);
- 23) Secu C., Minea I., Stoleriu I. 2015. Geostatistical modeling of water infiltration in urban soils, *Carpathian Journal of Earth and Environmental Sciences*, November 2015, Vol. 10, No 4, p. 95 – 104, (<http://www.ubm.ro/sites/CJEES/viewIssue.php?issueId=31>, ISSN Printed: 1842 – 4090; ISSN Online: 1844 - 489X;
- 24) Croitoru Adina-Eliza, Minea I. 2015. The impact of climate changes on rivers discharge in Eastern Romania, *Theoretical and Applied Climatology*, Vol. 20, Issue 3-4: 563-573, DOI10.1007/s00704-014-1194-z, <http://link.springer.com/article/10.1007%2Fs00704-014-1194-z>, (Print ISSN: 0177-798X, On-line ISSN 1434-4483;
- 25) Minea I., Crăciun I. 2012. Simulation models to evaluate the groundwater resources in Bahlu river basin, Romania. *Journal of Environmental Protection and Ecology*, Balkan Environmental Association. 1600-1607, ISSN 1311-5065 <http://www.jepe-journal.info/journal-content/vol-13-no3-2012>);

### C. Articles listed in conferences proceedings listed in Web of Science

- 1) Nagy P., Minea I., Zeleňáková M. 2021. Baseflow in Hornád Basin on the Eastern Slovakia, pp. 91-96. In Gastescu, P., Bretcan, P. (edit, 2021), *Water resources and wetlands*, 5th International Hybrid Conference Water resources and wetlands, 8-12 September 2021, Tulcea (Romania).
- 2) Minea I., Boicu D., Iosub M. 2021. Hydrogeological drought between natural phenomenon and social vulnerability, *International Multidisciplinary Scientific GeoConference*

Surveying, Geology and Mining, Ecology and Management, Volume I, Hydrology and Water Resources, SGEM 2021, vol. 21 (in press).

3) Boicu D., Minea I., Iosub M. 2021. The variation of groundwater in northeastern Romania in the last 3 decades -Case study: Moldova plain, International Multidisciplinary Scientific GeoConference

Surveying, Geology and Mining, Ecology and Management, Conference Proceedings, Volume I, Hydrology and Water Resources, SGEM 2021, vol. 21 (in press).

4) Minea I., Boicu D., Iosub M., Chelariu O.E. 2021. Groundwater level trend in the last decades in north-eastern -part of Romania, International Scientific Conference Geobalcanica 2021, 75-83, doi.org/10.18509/GBP210075i.

5) Boicu D., Minea I. 2021. A method of correlating groundwater levels with precipitation, International Scientific Conference Geobalcanica 2021, 29-35, doi.org/10.18509/GBP210029d.

6) Minea I., Boicu, D., Iosub M., Chelariu O.E. Solomon B. 2020. Long-term trends in river flow from North-eastern part of Romania, International Multidisciplinary Scientific GeoConference on Water resources, Forest, Marine and Ocean Ecosystems, Conference Proceedings, Volume I, Hydrology and Water Resources, SGEM 2020, Conference Proceedings, vol.20, 225-231, doi.org/10.5593/sgem2020/3.1/s.12.030.

7) Minea I., Boicu D., Iosub M., Chelariu O.E., Enea A. 2020. Groundwater drought evolution in north-eastern part of Romania, International Scientific Conference Geobalcanica 2020, 55-60, doi.org/10.18509/GBP.2020.06;

8) Boicu D., Minea I., Nicașu L. 2020. Landslides and groundwater dynamics. Case study in Moldavian Tableland (Romania), International Scientific Conference Geobalcanica 2020, 111-118, doi.org/10.18509/GBP.2020.14

9) Iosub M., Enea A., Minea I. 2019. Flash flood impact on the cultural heritage in Moldova Region, Romania. Case study: Jijia valley. International Multidisciplinary Scientific GeoConference on Water resources, Forest, Marine and Ocean Ecosystems, Conference Proceedings, Volume I, Cartography and GIS, SGEM 2019, Conference Proceedings, vol.19 , 839-846, ISSN 1314-2704.

10)Chelariu O.E., Iațu C., Minea I., Chelariu C. 2019. Flood assessment based on multi-criteria analysis in moldova region and the impact on territorial development, International Multidisciplinary Scientific GeoConference on Water resources, Forest, Marine and Ocean Ecosystems, Conference Proceedings, Volume I, Hydrology and Water Reesources, SGEM 2019, Conference Proceedings, vol.19 , 193-200, ISSN 1314-2704

11)Mihai FC., Minea I., Grozavu., A., 2018. Assessment of waste dumping practices in mountain creeks. 18th International Multidisciplinary Scientific GeoConference on Ecology, Economics, Education and Legislation SGEM 2018, Conference Proceedings, vol.18 , Issue 5.1 pp. 89-96, ISSN 1314-2704.

12)Iosub M., Enea A., Albu M., Minea I., Chelariu O. E., 2018. Identifying flood-prone risk areas, using GIS. Case study: Ozana drainage basin, Romania, 4th International Scientific Conference Geobalcanica 2018, Ohrid, Macedonia, 531-540 p, <http://dx.doi.org/10.18509/GBP.2018.58>.

13)Minea I., Croitoru A.E. 2017. Evaluation of hydrological drought in small basins in North-eastern part of romania, International Multidisciplinary Scientific Geoconferences, SGEM 2017, 29 June-5 July 2017 Bulgaria, 17th GeoConference on Water resources, Forest, Marine and Ocean Ecosystems, Conference Proceedings, Volume I, Hydrology and Water Resources, 269-276, ISBN 978-619-7105-13-1, ISSN 1314-2704.

14)Minea I., Iosub M., Hapciuc O.E., Buruiană O., 2017. Identification of the potential flash-floods risk areas in Romania using physiographic method, SGEM 2017, 29 June-5 July 2017 Bulgaria, 17th GeoConference on Water resources, Forest, Marine and Ocean Ecosystems, Conference Proceedings, Volume I, Hydrology and Water Resources, 403-410, ISBN 978-619-7105-13-1, ISSN 1314-2704.

15)Hapciuc, O.E., Iosub, M., Tomasciuc, A.I., Minea, I., Romanescu, G. 2016. Identification of the potential risk areas regarding the floods occurrence within small mountain catchments, Book Group Author(s): Geobalcanica Soc, Conference: 2nd International Scientific Conference of Geobalcanica (GEOBALCANICA) Location: Geobalcanica Soc, Skopje, MACEDONIA Date: JUN 10-12, 2016, 2nd International Scientific Conference Geobalcanica 2016, 177-183

16)Minea I., Hapciuc O.E. Banuc G. Jora I. 2016. Trends and variations of the groundwater level in the north-eastern part of Romania, International Multidisciplinary Scientific Geoconferences, SGEM 2016, 30 June 6 July 2016 Bulgaria, 16th GeoConference on Water resources, Forest, Marine and Ocean Ecosystems, Conference Proceedings, Volume I, Hydrolgeology, Engeneering Geology and Geotectonics 1053-1060, ISBN 978-619-7105-13-1, ISSN 1314-2704;

17)Banuc G., Minea I., Dicu I. 2016. Historical floods on the lower Danube and their consequences on urban areas. Case study Galați city (Romania), International Multidisciplinary Scientific Geoconferences, SGEM 2016, 30 June 6 July 2016 Bulgaria, 16th GeoConference on Water resources, Forest, Marine and Ocean Ecosystems, Conference Proceedings, Volume I, Hydrology and Water Resources, 399-406, ISBN 978-619-7105-13-1, ISSN 1314-2704;

18)Hapciuc O.E., Minea I., Romanescu G., Tomasciuc A., 2015, Flash flood risk managemant for small basins in montain-plateau transition zone. Case study for Sucevita catchment (Romania), International Multidisciplinary Scientific Geoconferences, SGEM 2015, 18-24 june 2015 Bulgaria, 15th GeoConference on Water resources, Forest, Marine and Ocean Ecosystems, Conference Proceedings, Volume I, Hydrology and Water Resources, 301-308, ISBN 978-619-7105-13-1, ISSN 1314-2704, DOI: 10.5593/sgem2014B31;

- 19) Minea I., Andrei A., Niculita M., 2015, Interpolating phreatic level altitude around Madarjac village using geomorphometric variables as covariates, International Multidisciplinary Scientific Geoconferences, SGEM 2015, 18-24 june 2015 Bulgaria, 15th GeoConference on Water resources, Forest, Marine and Ocean Ecosystems, Conference Proceedings, Volume I, Hydrology and Water Resources, 403-410, ISBN 978-619-7105-13-1, ISSN 1314-2704, DOI: 10.5593/sgem2014B31;
- 20) Iosub M., Iordache I., Enea A., Romanescu G., Minea I., 2015, Spatial and temporal analysis of dry/wet conditions in Ozana drainage basin, Romania using the standardized precipitation index, International Multidisciplinary Scientific Geoconferences, SGEM 2015, 18-24 june 2015 Bulgaria, 15th GeoConference on Water resources, Forest, Marine and Ocean Ecosystems, Conference Proceedings, Volume I, Hydrology and Water Resources, 585-592, ISBN 978-619-7105-13-1, ISSN 1314-2704, DOI: 10.5593/sgem2014B31;
- 21) Minea I., Secu C.V., 2014, Hydrological modelling of water infiltration in urban Soils. Case study of Iasi Municipality (Romania), International Multidisciplinary Scientific Geoconferences, 17-26 june 2014 Bulgaria, 14th GeoConference on Water resources, Forest, Marine and Ocean Ecosystems, Conference Proceedings, Volume I, Hydrology and Water Resoruces, 373-380, ISBN 978-619-7105-13-1, ISSN 1314-2704, DOI: 10.5593/sgem2014B31;
- 22) Dimitriu R.I., Bulai M., Minea I., 2014, Mineral groundwater resources and health tourism in the Eastern Carpathians (Romania), International Multidisciplinary Scientific Geoconferences, 17-26 june 2014 Bulgaria, 14th GeoConference on Water resources, Forest, Marine and Ocean Ecosystems, Conference Proceedings, Volume I, Hydrology and Water Resoruces, 463-470, ISBN 978-619-7105-13-1, ISSN 1314-2704, DOI: 10.5593/sgem2014B31;
- 23) Iosub M., Enea A., Hapciuc O.E., Romanescu G., Minea I., 2014, Flood risk assesment for the Ozana river sector corresponding to Leghin village (Romania), International Multidisciplinary Scientific Geoconferences, 17-26 june 2014 Bulgaria, 14th GeoConference on Water resources, Forest, Marine and Ocean Ecosystems, Conference Proceedings, Volume I, Hydrology and Water Resoruces, 315-322, ISBN 978-619-7105-13-1, ISSN 1314-2704, DOI: 10.5593/sgem2014B31;
- 24) Niculita M., Boca B., Minea I., 2014, Analysis of Parcovaci and Ciurbesti (Iasi County, Romania) reservoir sedimentation, International Multidisciplinary Scientific Geoconferences, 17-26 june 2014 Bulgaria, 14th GeoConference on Water resources, Forest, Marine and Ocean Ecosystems, Conference Proceedings, Volume I, Hydrology and Water Resoruces, 43-50, ISBN 978-619-7105-13-1, ISSN 1314-2704, DOI: 10.5593/sgem2014B31;

## ANNEX 2

### LIST OF PAPERS PRESENTED AT SCIENTIFIC MEETINGS

#### A. Participation at international conferences (held abroad):

1. Chișinău, Republic of Moldova, 8-9 October 2004, *GIS International Conference 13<sup>th</sup> Edition*, with the paper: *Monitorizarea zonelor umede cu ajutorul tehniciilor SIG* ;
2. Ivano-Frankovsk, Ucraina, 20-22 June 2006 *International Conference ECOLOGY: Problems of adaptive-landscape agriculture*, with the paper: *The hydrogeomorphological implication of the lacustrine landscape in the Bahlui drainage river*;
3. Palermo, Italia, 25-30 June 2007 *5<sup>th</sup> International Congres of the European Society for Soil Conservation*, with the papers:
  - Niacșu, L., Ursu, A., Rosca, B., Vasiliniuc I., **Minea, I.**, *Methodological aspects regarding soil survey and mapping using GIS in the eastern part of Romania*;
  - Ursu, A., Niacșu L., Sfica, L., **Minea, I.**, Vasiliniuc I., Stângă, I.C., *The changes occurred in the land use from the eastern part of Romania after 1989 – Remote sensing and GIS application*;
  - Stângă, I.C., Ursu, A., Rusu, C., **Minea, I.**, *Methodological aspects regarding the use of the remote sensing and GIS techniques in the study of soil degradation in the eastern part of Romania*;
4. Chișinău, Republic of Moldova, 26-28 October 2007, *GIS International Conference 15<sup>th</sup>* with the papers:
  - Ursu A., Roșca, B., Sfica L., Stoica, D., Stoleriu C., Stoleriu Oana, Patriche, C., Niacșu L., **Minea, I.**, *CORINE LAND COVER 2007- noiăți metodologice, cerințe actuale, probleme specifice*;
  - Ursu A., Niacșu L., Sfica L., Vasiliniuc I., Stângă I.C., **Minea I.**, *Analiza riscului la inundații în bazinul hidrografic al Bârladului cu sprijinul SIG*;
  - Stângă I.C., Niacșu L., Vasiliniuc I., **Minea I.**, *Analiza alunecărilor de teren din Colinele Tutovei. Aplicații GIS*;
5. Tunis, Tunisia, 12-15 August 2008, *31<sup>st</sup> International Geographical Union Congres*,with the paper: Stângă I.C., Rusu C., **Minea I.**, *La diagnose et la prognose du risque des inondations dans le bassin de Tutova (Roumanie)*;
6. Viena, Austria, 25-30 August 2008, *Congres EUROSOL 2008*with poster presentations:
  - **Minea I.**, Vasiliniuc I., Patriche C.V., Niculita M., *Constructing a soil hydraulic conductivity map using pedotransfer functions and GIS (application to Horoiata basin), Romania*;
  - Vasiliniuc I., Rusu C., Patriche C.V., **Minea I.**, *Soil physical quality in the Tutovei Hills region (Romania)*;
7. Chișinău, Republic of Moldova, 21-22 September 2011, *International Scientific Conference "Increasing the impact of research and innovation capacity development"*, dedicated to the anniversary 65th years of the founding of the State University of Moldova, with the paper: *Condiții hidrogeologice, regimul și dinamica apelor subterane din sudul Câmpiei Moldovei (bazinul hidrografic Bahlui)*;

- 8. Santiago de Chile, Chile, 14-18 November 2011, Regional Geographic Conference** with the paper: *Drought phenomena and groundwater dynamics in eastern Romania (Siret-Prut area)* authors: Ionut Minea, Iuliu Catalin Stanga;
- 9. Viena, Austria, 7-12 April 2013, EGU General Assembly, with posters presentation:**
- *Drought phenomena and groundwater scarcity in eastern Romania (Siret-Prut area)* authors: Iuliu Catalin Stanga, **Ionut Minea**;
  - *Spatial analysis of water infiltration in urban soils. Case study of Iasi municipality (Romania)* authors: **Ionut Minea**, Cristian Secu;
- 10. Viena, Austria, 27 April – 2 May 2014, EGU General Assembly, with poster presentation: The impact of climate change on river discharges in Eastern Romania,** authors: **Ionut Minea**, Adina-Eliza Croitoru;
- 11. Albena, Bulgaria, 18-26 June 2014, 14<sup>th</sup> International Multidisciplinary Scientific GeoConference SGEM 2014,** with the papers:
- *Mineral groundwater resources and health tourism in the Eastern Carpathians (Romania)*, authors: Dimitriu Radu Ionuț, Bulai Mihai, **Minea Ionuț**;
  - *Flood risk assessment for the Ozana river sector corresponding to Leghin village (Romania)*, authors: Iosub Marina, Enea Andrei, Hapciuc Oana-Elena, Romanescu Gheorghe, **Minea Ionuț**;
  - *Hydrological modelling of water infiltration in urban soils. Case study of Iasi municipality (Romania)*, authors **Minea Ionuț**, Secu Cristian Vasilică;
  - *Analysis of Parcovaci and Ciurbesti (Iasi county, Romania) reservoirs sedimentation*, authors: Niculiță Mihai, Boca Bogdan, **Minea Ionuț**.
- 12. Albena, Bulgaria, 18-24 June 2015, 15<sup>th</sup> International Multidisciplinary Scientific GeoConference SGEM 2015** with the papers:
- *Climate Changes and their impact on the variation of groundwater level in the Moldavian Plateau (Eastern Romania)* authors **Ionut Minea**, Adina Eliza Croitoru;
  - *Flash flood risk management for small basins in mountain-plateau transition zone. Case study for Sucevita catchment (Romania)* autori Hapciuc Oana Elena, **Ionut Minea**, Romanescu Gheorghe, Tomasciu Anamaria;
  - *Interpolating phreatic level altitude around madarjac village using geomorphometric variables as covariates*, authors: **Ionut Minea**, Adrian Andrei, Mihai Niculita;
  - *Spatial and temporal analysis of dry/wet conditions in Ozana drainage basin, Romania using the standardized precipitation index*, autoauthors: Marina Iosub, Iulian Iordache, Andrei Enea, Gheorghe Romanescu, **Ionut Minea**;
- 13. Budapest, Ungaria, 1-3 June 2016, 2<sup>nd</sup> PannEx Workshop on the climate system of the Pannonian basin,** with poster presentations: *Geographical higher education in Romania and its contribution in hydro-meteorological training. Current status and future challenge*, authors Liliana Zaharia, Adina Eliza Croitoru, Nicoleta Ionac, **Ionuț Minea**;
- 14. Skopje, Macedonia, 10-12 June 2016, 2nd International Scientific Conference Geobalcanica** with the paper: *Identification of the potential risk areas regarding the floods occurrence within small mountain catchments*, authors: Hapciuc O.E., Iosub M., Tomașciu A.I., **Ionut Minea**, Romanescu G.;
- 15. Albena, Bulgaria, 30 June -6 July 2016, 16<sup>th</sup> International Multidisciplinary Scientific GeoConference SGEM 2015** with the papers:
- *Trends and variations of the groundwater level in the north-eastern part of Romania*, authors: **Ionut Minea**, Georgiana Banuc, Oana-Elena Hapciuc, Ionut Jora;
  - *Historical floods on the lower Danube and their consequences on urban areas. Case study Galați city (Romania)* authors: Georgiana Banuc, **Ionut Minea**, Ioana Dicu;
- 16. Albena, Bulgaria, 29 iunie-5 iulie 2017, 17<sup>th</sup> International Multidisciplinary Scientific GeoConference SGEM 2017 with the papers**
- a) **Minea I.**, Croitoru A.E.: *Evaluation of hydrological drought in small basins in North-eastern part of romania*,
  - b) **Minea I.**, Iosub M., Hapciuc O.E., Buruiana O.: *Identification of the potential flash-floods risk areas in Romania using physiographic method*
- 17. Kosice, Slovacia, 22-24 Noiembrie 2017 Water in environment (WINE) 2017 - International Symposium on the occasion of 40th anniversary of the founding of the Faculty of Civil Engineering** with the paper: *Flood vulnerability for transition areas in the Eastern Carpathians Mountains (Romania)*, autori **Ionut Minea**, Gheorghe Romanescu, Oana-Elena Hapciuc, Marina Iosub, Andrei Enea.
- 18. Ohrid, Macedonia, 15-16 mai 2018, 4th International Scientific Conference Geobalcanica** with the papers:
- a) Analysis and evaluation of vulnerability to flood in Sucevița catchment (poster), autori: Chelariu Oana-Elena, Chelariu Ciprian, **Minea Ionuț**
  - b) Identifying flood-prone risk areas, using GIS. Case study: Ozana drainage basin, Romania (poster) autori: Marina Iosub, Andrei Enea, Marian Albu, **Ionut Minea**, Chelariu Oana Elena.
- 19. Albena, Bulgaria, 28 iunie-4 iulie 2018, 18<sup>th</sup> International Multidisciplinary Scientific GeoConference SGEM 2018,** with the paper *Assessment of waste dumping practices in mountain creeks*, autori Mihai Florin Constantin, Minea Ionut, Grozavu Adrian
- 20. Iskenderun, Turcia, 13-15 iunie 2019, International Conference on Innovation, Sustainability, Technology and Education in Civil Engineering (speaker), cu lucrarea *Flood vulnerability for transition areas. Case study for Easter Carpathians Mountians (Romania)*, autori Ionut Minea, Oana Chelariu, Marina Iosub, Andrei Enea**
- 21. Albena, Bulgaria, 1-5 iulie 2019, 19<sup>th</sup> International Multidisciplinary Scientific GeoConference SGEM 2019,**
- a) Iosub M., Enea A., Minea I.: *Flash flood impact on the cultural heritage in Moldova Region, Romania. Case study: Jijia valley*;
  - b) Chelariu O.E., Iațu C., Minea I., Chelariu C.: *Flood assessment based on multi-criteria analysis in moldova region and the impact on territorial development*.
- 22. Ohrid, Macedonia, 12-13 mai 2020, 6th International Scientific Conference, GEOBALCANICA 2020 (participare on-line) cu lucrările:**

- a) Minea I., Boicu D., Iosub M., Chelariu O.-E., Enea A.: *Groundwater drought evolution in north-eastern part of Romania* (prezentare on-line);  
 b) Boicu D., Minea I., Niacșu L.: Landslides and groundwater dynamics. Case study in Moldavian Tableland (Romania) (prezentare poster on-line);  
**23. Albena, Bulgaria, 16-25 august 2020,** 20<sup>th</sup> International Multidisciplinary Scientific GeoConference SGEM 2020, cu lucrarea *Long-term trends in rivers flow from north-eastern part of Romania* autori Minea I., Iosub M., Chelariu O.E., Boicu D., Solomon B (poster);  
**24. Ohrid, Macedonia, 15-16 iunie 2021,** 7th International Scientific Conference, GEOBALCANICA 2021 (participare on-line) cu lucrările:  
 a) Minea I., Boicu D., Iosub M., Chelariu O.E: *Groundwater level trends in the last decades in North-Eastern part of Romania*  
 b) Boicu D., Minea I.: *A method of correlating piezometric levels with precipitation;*  
**25. Albena, Bulgaria, 18-22 august 2021,** 21<sup>th</sup> International Multidisciplinary Scientific GeoConference SGEM 2021, cu lucrările:  
 a) Minea I., Boicu D., Iosub M.: *Hydrogeological drought between natural phenomenon and social vulnerability;*  
 b) Boicu D., Minea I., Iosub M.: *The variation of groundwater in northeastern Romania in the last 3 decades -Case study: Moldova plain;*  
**26. Granada, Spania, 19-24 iunie 2022,** 39th IAHR World Congress "From Snow to Sea" cu lucrarea: Minea I., Iosub M., Boicu D.: *Multi-scale Analysis for Different Type of Drought in Temperate Climatic Conditions;*  
**27. Marrakech, Maroc, 27-30 noiembrie 2022,** MedGU-Mediterranean Geosciences Union Annual Meeting, cu lucrarea: *A multi-hazard approach regarding territorial development suitability in Nord-East Region, Romania*, autori, Chelariu O.E., Iațu C., Minea I.  
**28. 15-30 Martie 2023 (on-line),** The 7th International Electronic Conference on Water Sciences Adaptive Water Resources Management in an Era of Changing Climatic, Environmental and Social Conditions, cu lucrarea: *Mapping over 80 years of wetland sensitivity to human intervention. The spatial dynamics of the lakes and wetlands of the Jijia-Iași Wetlands Ramsar Site in 1935-2018*, autori: Albulescu C., Minea I., Larion D., Iosub M., Boicu D.  
**29. Skopje, Macedonia, 8-9 mai 2023,** 9<sup>th</sup> International Scientific Conference -Geobalcanica 2023, cu lucrarea *An approach for measuring social vulnerability in a multi-hazard context*, autori: Chelariu O-E., Iațu C., Minea I.;  
**29. Istanbul, Turcia 26-30 noiembrie 2023,** Mediterranean Geosciences Union Annual Meeting, cu lucrările:  
 a) Multi-scale assessment of the impact of meteorological drought on underground and surface water resources, autori Minea I. Albulescu C.A.;  
 b) Understanding the Link between Hydrological Risks and Plastic Pollution in the Eastern Carpathians of Romania, autori: Iosub M., Minea I., Mihai F.C.;

## B. Participation at international conferences (held in Romania):

1. Iași – 25-27 October 2003, Seminarul Geografic „Dimitrie Cantemir”, with the paper: *Caracteristicile surgerii medii ale râului Bahlui* ;
2. București – 27 March 2004, Simpozionul Național al Studenților Geografi, Ediția a XI-a, with the paper: *Analiza variabilității spațiale a unor indici de apreciere a secelor în partea de nord-est a României*, authors: Ionut Minea, Stângă C. Iuliu;
3. Iași – 28-31 Ocotober 2004, Seminarul Geografic „Dimitrie Cantemir”, with the papers:  
 a) *Evoluția zonelor lacustre din bazinul hidrografic Bahlui* ,  
 b) *Structuri hidrogeologice de suprafață în bazinul mijlociu al râului Bahlui (teritoriul comunei Belcești)*, authors : Ionut Minea, în Nica Dragos;
4. Iași – 28-31 Ocotober 2004, Simpozionul Național de Climatologie, with the papers:  
 a) *Considerații privind fenomenul de secată în Câmpia Moldovei*, authors : Ionut Minea, Stângă C. Iuliu,  
 b) *Contribuții privind actualizarea și detalierea unor aspecte climatice în Masivul Călimani*, authors: Stoica Dan, Ionut Minea;
5. Iași – 18-20 November 2004, Conferința Internațională: *Monitorizarea Dezastrelor și Poluării, IC.MDP.1*, Facultatea de Hidrotehnica,with the papers:  
 a) *Evaluarea perioadelor secetoase în Câmpia Moldovei*, authors: Ionut Minea, Stângă C. Iuliu  
 b) *Soil vulnerability to erosion in relation to their analytical properties*, authors: Stângă C.Iuliu, Ionut Minea;
6. Iași – 28-29 April 2005, Simpozionul internațional *Reunion d'animation scientifique du reseau de teledetection de l'Agence Universitaire de la Francophonie* with poster presentation: *Corine Land Cover 2000* împreună cu Gh.Lupașcu, C.Rusu, E.Rusu, A.Ursu, V.Căpățână, B.Roșca, C.Stoleriu, Oana Stoleriu, D.Stoica, L.Sfică, C.Patrice
7. Cluj-Napoca – 17-18 June 2005, Simpozion internațional: *Geografia în contextul dezvoltării contemporane*,with the papers:  
 a) *Estimarea ritmului de colmatare a unor lacuri din Podișul Moldovei cu ajutorul imaginilor satelitare și al tehniciilor GIS*, authors : Iuliu C. Stângă, Ionut Minea,  
 b) *Corine Land Cover 2000* authors: Gh.Lupașcu, C.Rusu, E.Rusu, A.Ursu, V.Căpățână, B.Roșca, C.Stoleriu, Oana Stoleriu, D.Stoica, L.Sfică, C.Patrice;
8. Iași – 17-19 November 2005, Conferința Internațională: *Monitorizarea Dezastrelor și Poluării, IC.MDP.2*, Facultatea de Hidrotehnica, with the paper: *Riscul hidrologic induș de activitățile antropice. Studiu de caz – poluarea râului Trotuș*, authors Ionut Minea, Vasiliniuc Ionuț;

- 9. Iași – 19-20 October 2006**, *Agriculture between tradition and intensivisation, Proceedings of XXXIX<sup>th</sup> Scientific Conference*, organized by Facultatea de Agricultură din cadrul „Univ. de Stiinte Agricole si Medicina veterinara Ion Ionescu de la Brad”- Iasi, cu lucrarea: *Influența materialelor parentale asupra solurilor din Câmpia Bașeului. Implicații practice*, authors Ionuț Vasiliniuc, Ionuț Minea;
- 10. Iași – 19-21 October 2007**, *Simpozionul Internațional de Geografie Mediului „Mediu actual și dezvoltarea durabilă”, în cadrul Seminarului Geografic „Dimitrie Cantemir”* with the paper: *CORINE LAND COVER 2000-2006*, în colaborare cu Adrian Ursu, Sfici Lucian, Stoleriu Cristian, Niacu Lilian, Roșca Bogdan, Minea Ionuț, Patriche Cristian, Stoica Dan, Căpătană Viorel, Stoleriu Oana;
- 11. Iași – 1-2 November 2007**, *Conferința Internațională: Monitorizarea Dezastrelor și Poluării, IC.MDP.3*, Facultatea de Hidrotehnica with the papers:
- a) *Landscape conditions involved in lake infilling in the Tutova Rolling Hills*, authors: Niacu Lilian, Ursu Adrian, Vasiliniuc Ionuț, Ionuț Minea, Rusu Constantin, Stângă C. Iuliu;
  - b) *Consideration regarding lake silting in Tutova Rolling Hills. Case study Cuibul Vulturilor reservoir*, authors: Stângă C. Iuliu, Niacu Lilian, Rusu Constantin, Ursu Adrian, Vasiliniuc Ionuț, Ionuț Minea;
- 12. București – 22-23 November 2007**, *3rd International Conference on ENERGY and ENVIRONMENT "CIEM 2007"*, cu posterul *Impactul riscurilor hidro-climatic și pedo-geomorfologice asupra mediului în bazinul Bârladului* authors: Constantin Rusu, Lilian Niacsu, Iuliu Catalin Stanga, Ionuț Vasiliniuc, Ionuț Minea, Ursu Adrian;
- 13. Cluj-Napoca – 30-31 May 2008**, *International Symposium of Technical Geography*, Babeș-Bolyai University with the papers: *Diagnoza și prognoza viiturilor din bazinul hidrografic Tutova (bazinul Bârladului)*, authors: Iuliu Cătălin Stângă, Ionuț Minea, Ionuț Vasiliniuc;
- 14. Iași – 16-18 October 2008**, *Conferința Durable Agriculture in the context of environmental changes*, Universitatea de Științe Agricole și Medicină Veterinară „Ion Ionescu de la Brad” Facultatea de Agricultură, with the paper: *Evoluția suprafețelor forestiere din ocoalele silvice Ciurea și Podu Iloaiei între 1894-2006* authors: Mihai Niculiță, Angela Lupașcu, Ionuț Minea;
- 15. Iași – 17-19 October 2008**, *Seminarul Geografic Internațional „Dimitrie Cantemir”*, with the paper: *Modele de tip precipitații-scurgere utilizate în evaluarea riscurilor hidrologice. Aplicații în bazinul Bârladului*, authors: Mihai Niculiță, Ionuț Minea;
- 16. Cluj-Napoca – 20-21 March 2009**, *Conferința Aerul și apa Componente ale Mediului*, with the papers: *Analiza riscului la inundații în bazinul Bahlui*.
- 17. Zalău – 4-6 June 2009**, *Simpozionul internațional Geografia în contextul dezvoltării contemporane*, cu tema *Strategii de Dezvoltare Teritorială*,with the papers:
- a) *Dinamica nivelului freatic în bazinul hidrografic al Tutovei și risurile asociate*, authors: Iuliu Cătălin Stângă, Ionuț Minea, Emilian Panaiteescu;
  - b) *Bulhacele de pe versantul nord-vestic al Dealului Păun (Iași)*, authors: Mihai Niculiță, Ionuț Minea, Andrei Ciuhat.
- 18. Iași – 16-18 October 2009**, *Seminarul Geografic Internațional „Dimitrie Cantemir”*, with the paper: *Aspecte metodologice privind identificarea zonelor cu exces de umiditate. Studiu de caz: bazinul hidrografic Bahlui*, authors: Ionuț Minea, Adrian Ursu Mihai Niculiță;
- 19. Cluj-Napoca - 19-20 March 2010**, *Conferința Aerul și apa Componente ale Mediului*,with the paper: *Minimum discharge in Bahlui Basin and associated hydrologic risks*;
- 20. Timișoara - 13-16 May 2010**, *9<sup>th</sup> International Conference Cohesion and disparities – Regional Management, Peripheral Areas and sustainable development – european perspectives*, with the paper: *The role of the anthropic factor in the formation and evolution of water resources in the eastern part of Romania* , authors: Ionuț Minea, Ionuț Vasiliniuc;
- 21. Iași – 15-17 October 2010**, *Seminarul Geografic Internațional „Dimitrie Cantemir”*,with the paper: *Apele subterane din bazinul hidrografic Bahlui: condiții hidrogeologice, regim și dinamică*;
- 22. Iași – 23-27 November 2010**, *Control and Metrology of Environmental Quality Factors*, CMEQF 01-2010, Universitatea Tehnică „Gheorghe Asachi”, Facultatea de Hidrotehnica,with the paper: *Aplicații ale programului MODFLOW în bazinul hidrografic Bahlui*;
- 23. Cluj-Napoca - 18-19 March 2011**, *Conferința Aerul și Apa Componente ale Mediului* with the paper *The evaluation of the hydrological risks associated with the maximum discharge in the upper catchment of the Bârlad river*, authors: Ionuț Minea, Butelcă Doru, Mihai Niculiță.
- 24. Iași - 14-16 October 2011**, *Lucrările Simpozionului Geografic Internațional „Dimitrie Cantemir”*with the papers:
- a) *Probleme privind alimentarea subterană în bazinul hidrografic Bahlui*
  - b) *Condiții hidrologice specifice Coastei Iașilor. Studiu de caz bazinul Tinoasa-Ciurea*, authors: Ionuț Minea, Costel Alexe.
- 25. Iași - 14-16 October 2011**, *the VI- th edition of the International Symposium "Present Environment and Sustainable Development"* with the paper: *Modele de variație a nivelului freatic în condiții de secetă. Studiu de caz bazinul superior al râului Bârlad, amonte de Băcești*, authors: Ionuț Minea, Doru Butelcă și Lilian Niacu
- 26. Iași 20-22 October 2011**, *Simpozionul științific "Agricultură durabilă – Strategii de Dezvoltare* with the papers: *Modificări ale utilizării terenului în ultimul secol în partea de sud a Câmpiei Moldovei*,

- 27. Cluj-Napoca - 23-25 March 2012**, Conferința Aerul și Apa Componente ale Mediului with the paper: *Modele utilizate în simularea curgerii aperelor subterane și a transportului poluanților în bazinul inferior al râului Bahlui*
- 28. Iași - 1-3 June 2012**, the 7<sup>th</sup> edition of the International Symposium "Present Environment and Sustainable Development" with the papers
- a) *Condiții hidrogeologice specifice bazinului superior al râului Bârlad și impactul lor asupra activitatilor umane*, authors: Ionut Minea, Butelcă Doru
  - b) *Degradările de teren din bazinul superior al Bârladului. Studiu de caz: Alunecarea Dealul Chițu – Pâncești*, authors: Niacuș Lilian, Butelcă Doru, Ionut Minea;
- 29. Tulcea – 14-16 September 2012**, Conferința Internațională Water resources and wetlands organized by Asociația română de Limnogeografie în colaborare cu Institutul național pentru cercetare a Deltei Dunării și Autoritatea Rezervației Biosferei Delta Dunării with the paper: *Evolution of the wetlands from south part of Moldavian Plain*, authors: Ionut Minea, Doru Butelcă;
- 30. Iași – 12-14 October 2012**, Lucrările Simpozionului Geografic Internațional „Dimitrie Cantemir” ediția a XXXII-a with the papers :
- a) *Evaluări preliminare privind infiltrarea apei în solurile urbane din aria municipiului Iași* authors : Secu Cristian Vasilică, Ionut Minea
  - b) *Tendințe și corelații în sistemul precipitații-scurgere de suprafață în partea de est a României* authors: Croitoru Adina Eliza, Ionut Minea;
- 31. București – 10-11 November 2012**, Conferința Internațională Understanding Land, people and Environment. Research and Teaching perspectives in Geography, with the paper: *Variation models in the rain-runoff-infiltration system within the Upper Barlad catchment*, authors: Ionut Minea Ion Ioniță, Sfică Lucian;
- 32. Cluj-Napoca - 22-23 March 2013**, Conferința Aerul și Apa Componente ale Mediului with the paper: *Bistrița river channel changes in the subcarpathian sector, in the last two centuries*, authors: Chelaru Dan Adrian, Ionut Minea;
- 33. Suceava – 30 May – 1 June 2013**, Simpozionul Național de Geomorfologie, Ediția a XXIX-a, with the paper: *Dinamica patului albiilor în bazinul râului Bahlui în perioada 1980-2008*, authors: Mihai Niculită, Ionut Minea, Dan Buruiană,;
- 34. Iași – 31 May– 2 June 2013**, the 8<sup>th</sup> edition of the International Symposium "Present Environment and Sustainable Development" with the papers:
- a) *Modele de evaluare a ratei de colmatare a lacurilor de acumulare din sudul Campiei Colinare a Jijiei* authors: Ionut Minea, Nica Dragoș, Boca Bogdan;
  - b) *Eficiența tehnică a lacurilor de acumulare cu baraj pe baza măsurătorilor topogeodezice și impactul asupra mediului*: authors Nica Dragoș, Ionut Minea, Boca Bogdan;
- 35. Iași – 18 - 20 October 2013**, Lucrările Simpozionului Geografic Internațional „Dimitrie Cantemir” ediția a XXXII-a with the papers: *Raportul dintre scurgerea subterană și cea de suprafață. Analiză comparativă între aria montană și cea de câmpie din partea de est a României* authors : Ionut Minea, Mihu-Pintilie Alin;
- 36. Cluj-Napoca - 21-22 March 2014**, Conferința Aerul și Apa Componente ale Mediului with papers: *Preliminary evaluation on the ratio between the surface and underground river supply in eastern Romania*, authors: Ionut Minea, Mihu-Pintilie Alin, Iosub Marina, Hapciuc Oana Elena;
- 37. Iași - 6-8 June 2014**, the 9<sup>th</sup> edition of the International Symposium "Present Environment and Sustainable Development" with the papers: *Relation between water resources and human impact over environment in the south part of Moldavian Plain*;
- 38. Tulcea – 11-13 September 2014**, Conferința Internațională Water resources and wetlands, (second edition) organized by Asociația română de Limnogeografie în colaborare cu Institutul național pentru cercetare a Deltei Dunării și Autoritatea Rezervației Biosferei Delta Dunării cu lucrarea: *Silting evaluation of the anthropic lakes from southern Moldavian Plain* , authors: Ionut Minea, Mihai Niculita, Bogdan Boca;
- 39. Iași – 17 - 19 October 2014**, Lucrările Simpozionului Geografic Internațional „Dimitrie Cantemir” ediția a XXXIV-a with the paper: *Observații hidrogeologice în zona localității Mădârjac* authors: Ionut Minea, Adrian Andrei, Mihai Niculită;
- 40. Cluj-Napoca - 20-22 March 2015**, Conferința Aerul și Apa Componente ale Mediului with the papers:
- a) Hapciuc O., Minea I., Iosub M., Romanescu G. *The role of the hydro-climatic conditions in causing high floods in the Suceava river catchment.*
  - b) Iosub M., Minea I., Hapciuc O., Romanescu G. *The use of HEC-RAS modelling in flood risk analysis.*
- 37. Iasi - 6-8 June 2015**, the 10<sup>th</sup> edition of the International Symposium "Present Environment and Sustainable Development" with the papers:
- a) Minea I., Stoica D.: *Zonele umede între valorificare economică și prezervare naturală*;
  - b) Iosub M., Iordache I., Enea A., Hapciuc O.E., Romanescu G., Minea I.: *SPI, De Martonne indexes and Hellman criterion, used for drought analysis in Ozana drainage basin*;
  - c) Hapciuc O.E., Iosub M., Minea I., Romanescu G.: *Metodologie privind evaluarea vulnerabilității la inundații pentru comunitățile rurale din partea de nord-est a României*;
- 38. Iasi - 9-12 September 2015** 8<sup>th</sup> International Conference on Environment Engineering and Management ICEEM 08 with the papers:
- a) Minea I., Croitoru Adina-Eliza: *Groundwater reaction to the climate changes in Eastern Romania*;

b) Enea A., Hapciuc O.E., Iosub M., Minea I., Romanescu G.: *Water quality assessment for the mountain region of Eastern Romania*;

**39. Iasi – 16-18 October 2015 Lucrările Simpozionului Geografic Internațional „Dimitrie Cantemir” ediția a XXXV-a with the papers:**

a) Minea I.: *Base flow index evaluation for the lowland area of North-Eastern Romania*;

b) Iosub M., Minea I., Hapciuc O.E., Enea A., Romanescu G.: *Potențialul scurgerii de suprafață în bazinul râului Ozana*;

**40. Cluj-Napoca - 25-27 March 2016, Conferința Aerul și Apa Componente ale Mediului with the papers:**

a) Minea I., 2016. *Assessment of the relationship between stream flow and base flow: patterns, analysis, applications*,

Iosub M., Iordache I., Enea A., Hapciuc O.E., Romanescu G., Minea I., 2016. *Drought analysis in Ozana drainage basin*,

**41. Iasi 14-17 September 2016, Conferinta de hidrogeologie with the papers: *Influențează schimbările climatice variația apei în subteran? Studiu de caz pentru partea de nord-est a României* authors : Ionut Minea, Ionut Jora ;**

**42. Iasi 21-23 October 2016 Lucrările Simpozionului Geografic Internațional „Dimitrie Cantemir” ediția a XXXV-a with the papers : *Schimbările climatice și variația nivelului apei din subteran. Studiu de caz în Câmpia Moldovei* authors Ionut Minea, Adina –Eliza Croitoru).**

**43. Cluj-Napoca - 17-19 martie 2017, Conferința Aerul și Apa Componente ale Mediului with the paper (Speaker): Minea I., Sfică L., *Assesment of hydrological drought in the north-eastern part of Romania. Case study – Bahlui catchment area*;**

**44. Iași - 2-4 iunie 2017, the 12<sup>th</sup> edition of the International Symposium "Present Environment and Sustainable Development"** (moderator) with the papers:

a) Minea I.: *Recurrence of hydrological droughts in eastern Romania*

b) Hapciuc O.E., Tomașciuc A.I., Chelariu C., Minea I., Romanescu G.: *Assessing physical vulnerability to flood within small mountain catchments from eastern part of Romania using gis techiques*

c) Ursu A., Stoleriu C.C. Iordache I., Rosca B., Sfica L., Minea I.: *Land cover changes in Romania between 1990 and 2012 based on the Corine Land cover Database*

**45. Iași 13-15 octombrie 2017 Lucrările Simpozionului Geografic Internațional „Dimitrie Cantemir” ediția a XXXVII-a with the papers:**

a) Minea I. Faye W.: *Impactul variabilității climatice și presiunilor antropice asupra resurselor de apă din bazinul Thysse Kaymore (Saloum-Senegal)*

b) Albulescu A.C, Minea I., Larion D.: *Opportunities of using the Analytic Hierarchy Process method in geographic research. An application of the ahp on the deforestation problem in Romania*

c) Boicu D., Minea I.: *Evaluarea resurselor de apă din subteran din bazinul superior al râului Jijia*

**46. Iasi 16 aprilie 2018, Conferința națională: contribuția mediului academic la revizuirea Strategiei Naționale pentru Dezvoltarea Durabilă, Secțiunea Mediu: Obiectivul 6 Apă Curată și Sănătate, Obiectivul 14 Viață Acvatică.**

**47. Iasi 1-3 iunie 2018 the 13<sup>th</sup> edition of the International Symposium "Present Environment and Sustainable Development"** (speaker) with the papers:

a) Minea, I., Chelariu O.E. Iosub M., Boicu D.: *Human impact on water resources in Eastern Romania*

b) Mihai F.C., MInea I., Grozavu A.: *River dumping practices in Eastern Carpathians*

**48. Tulcea 6-9 septembrie 2018, Conferința Internațională Water resources and wetlands, (4<sup>th</sup> edition): *Climate Changes and Water Resources in eastern part of Romania, autori: Ionuț Minea, Oana-Elena Hapciuc, Marina Iosub, Adina Eliza Croitoru.*** (moderator)

**49. Iasi 19-21 octombrie 2018 Lucrările Simpozionului Geografic Internațional „Dimitrie Cantemir” ediția a XXXVIII-a with the papers**

1. Daniel Boicu, Oana Elena Chelariu, Marina Iosub, Ionuț Minea (Universitatea „Alexandru Ioan Cuza” din Iași): *Determining the groundwater recharge capacity using the AHP method -Case study: The Moldavian Plain*

2. Ionuț Minea (Universitatea „Alexandru Ioan Cuza” din Iași): *Impactul antropic asupra resurselor de apă din spațiul hidrografic Siret-Prut* (moderator)

**50. Iasi 7-9 iunie 2019 the 14<sup>th</sup> edition of the International Symposium "Present Environment and Sustainable Development" cu lucrarea: *New approach in determination of groundwater level trends. Case study North-Eastern Part of Romania* (poster), autori, Daniel Boicu, Ionut Minea, Oana Chelariu, Marina Iosub si Ionut Jora**

**51. Bucuresti, 11-13 iunie 2019, conferinta Water sustainability in a changing world (moderator), cu lucrarea: *The vulnerability of water resources from Easter Romania to anthropic impact and climate change*, Ionut Minea, Marina Iosub, Oana Chelariu.**

**52. București, 5-9 Septembrie 2019 ECOSMART – 2019 International Conference – Environment at a CrossRoads: SMART approaches for a sustainable future, cu lucrarea: *Spatial analysis of population evacuation management in mountain basins: a case study of Sucevița catchment (Romania)*, autori: Oana Elena Chelariu, Ionuț Minea, Cornelius Iațu, Martina Zeleňáková.**

**53. Cluj-Napoca, 3-6 octombrie 2019, Geographia Napocensis Conference cu lucrările:**

a) *Flood hazard assesment in urban areas from Moldavian Region, using GIS*, autori, Chelariu Oana-Elena, Iațu corneliu, Stoleru Anamaria, Minea Ionuț;

b) *Mapping soil erosion using Sentinel 2*, autori: Iosub Marina, Jitaru Vasile, Enea Andrei, Roșca Bogdan, Ursu Adrian, Minea Ionuț;

- 54. Iași, 18-20 octombrie 2019**, Lucrările Seminarului Internațional "Dimitrie Cantemir" ediția a XXXIX-a cu lucrările:  
 a) *Groundwater level trends in north-eastern part of Romania*, autori: Ionuț Minea, Daniel Boicu, Oana-Elena Chelariu;  
 b) *Assessment of crops water deficit using spectral indices*, autori: Alexandra Petronela Stoleriu, Andreea Florina Stoleriu, Iuliana Gabriela Breabă, Ionuț Minea.
- 55. Cluj-Napoca 20-23 martie 2020**, Conferința *Aerul și Apa Componente ale Mediului* cu lucrarea: *Hydrogeological Droughts Evaluation in North Eastern Part of Romania*, autori: Boicu Daniel, Minea Ionut, Rusu Constantin, Jora Ionut.
- 56. Iași 24 octombrie 2020**, on-line, Lucrările Seminarului Geografic Internațional "Dimitrie Cantemir" cu lucrarea: *Comparative multi-criteria assessment of hydrological vulnerability. Case study: drainage basins in north eastern part of Romania*, autori, Andra-Cosmina Albulescu, Ionuț Minea, Daniel Boicu, Daniela Larion;
- 57. Cluj-Napoca, 23 martie 2021**, on-line, The International Conference Air and Water - components of the environment, 13<sup>th</sup> Edition cu lucrarea *Minea I., Boicu D., Iosub M.: Human impact on groundwater resources in Eastern Romania*;
- 58. Iași, 18 iunie 2021, on-line**, *16<sup>th</sup> edition of the International Symposium "Present Environment and Sustainable Development"* cu lucrarea Minea I., Iosub M., Boicu D.: *Groundwater drought evolution in Eastern Romania in the last decades (moderator)*;
- 59. Iași, 3-5 septembrie 2021**, *Lucrările Seminarului Geografic Internațional "Dimitrie Cantemir" cu lucrarea:* Minea I., Boicu D., Iosub M.: *Multi-scale approach for hydrogeological drought in Moldavian Plateau*;
- 60. Șo丹nești, Jud. Botoșani, 6-8 septembrie 2021**, Conferința Interdisciplinară "Construcția Barajului de la Stâncă-Costești: Context Istorico, amenajarea teritoriului și impact bioclimatic" cu lucrarea *The role of Stâncă-Costești reservoir in the management of water resources in the cross-border area Romania-Republic of Moldova* (unic autor);
- 61. Tulcea, 8-11 septembrie 2021**, Conferința Internațională Water resources and wetlands, (5<sup>th</sup> edition): cu lucrarea: Minea I., Boicu D., Iosub M., ENEA A.: *Water deficit in north-eastern part of Romania (moderator)*;
- 62. Iași –Piatra Neamț, 16-18 septembrie 2021**, Conferința *Factori și procese pedogenetice din zona temperată*, Ediția a XXX-a, cu lucrarea: Boicu D., Minea I., Rusu C.: *Dinamica apelor subterane din partea nordică a Podișului Central Moldovenesc*;
- 63. Cârlibaba, 6-8 octombrie 2021, on-line**, *CARPATHIAN-BALKAN PALEOSCIENCE WORKSHOP (CBPW)*, cu lucrarea Minea I., Iosub M., Boicu D.: *The impact of climate changes on the variation of the groundwater level in the Moldavian Plateau (on-line)*;
- 64. București 12 noiembrie 2021, on-line the 2<sup>nd</sup> International Conference Geographical Sciences and future of the world**, cu lucrarea: Lucian Sfîcă, Ionuț Minea, Vlad-Alexandru Amihăescu, Robert Hrițac, Daniel Boicu: *Ground water levels under climate change pressure in north-eastern Moldova*
- 65. Cluj-Napoca, 18 martie 2022, on-line**, The International Conference Air and Water - components of the environment, 14<sup>th</sup> Edition cu lucrarea *Minea I., Boicu D., Iosub M.: Evaluation of The Groundwater Level Trends Using Different Statistical Methods (prezentare si moderator)*
- 66. Iași, 3-4 iunie 2022, 17<sup>th</sup> edition of the International Symposium "Present Environment and Sustainable Development" cu lucrările:**
1. Mihai F.C., Minea I., Eva M., Uman R.S., Iosub M.: *Susceptibility assessment of freshwater environments to plastic pollution (SAFE-PP)*. Start of the Research Project for Young Independent Teams;
  2. Chelariu O.E., Minea I., Boicu D., Iosub M.: *An approach for assessing social vulnerability related to groundwater resources at local level in North-Eastern part of Romania*
- 67. Iasi, 13 octombrie 2022, Simpozionul anual al Centrului de Cercetări Geografice al Academiei Romane Filiala Iasi**, cu lucrarea: *Poluarea cu plastic a mediilor de apă dulce: abordări și perspective geografice*, autori Mihai F.C., Eva M., Iosub M., Minea I., Ulman S.
- 68. Iași, 14-16 octombrie 2022, Lucrările Seminarului Geografic Internațional "Dimitrie Cantemir"** Ediția a XLII-a cu lucrarea: *The vulnerability of underground water resources from Moldavian Plateau to climate changes – final evaluation of the project*, autori: Ionuț Minea, Lucian Sfîcă, Mihai Florin Constantin, Marina Iosub, Oana-Elena Chelariu, Daniel Boicu.
- 69. Vatra Dornei, 25-26 noiembrie 2022, Climate and Environmental Changes in Central-Eastern Europe. Past, Present and Future (CECCEE-2022)** cu lucrarea: *Drought from air to undergroung – a multiscale analysis for Different Type of Drought in Eastern Romania*, autor Ionut Minea;
- 70. Cluj-Napoca, 17-19 martie 2023**, The International Conference Air and Water - components of the environment, 15<sup>th</sup> Edition cu lucrările
- a) Minea I., Chelariu O.E., Boicu D., Iosub M.: *Assessing the Social Vulnerability Associated to Groundwater Resources in Eastern Romania (prezentare si moderator)*;
  - b) Chelariu O.E., Iațu C., Minea I.: *Vulnerability of Human Settlements and Economic Activities to Natural Hazards in The North-East Region, Romania*;
  - c) Minea I., Iosub M., Mihai C.F.: *Hydrological Risks and Plastic Pollution Implications in Eastern Carpathians (Romania)*
- 71. Iași, 30 martie 2023, XXIX-a Ediție a Simpozionului Internațional de SIG/BACKUP Edition cu lucrarea:** Iosub Marina, Chelariu Oana-Elena, Enea Andrei, Lesenciu Dan, Minea Ionut: *Cultural heritage in Moldova, Romania and its vulnerability to flash floods: a case study of Jijia Valley*
- 72. Iași, 9-10 iunie 2023, 18<sup>th</sup> edition of the International Symposium "Present Environment and Sustainable Development" cu lucrările:**

a) Hrițac R., Ichim P., Sfică L., Minea I: *Medium term climate conditions in central Moldova at Madarjac reaseach station* (2013-2022)

b) Chelariu O.E., Iațu C., Minea I.: *Social vulnerability to natural hazards in North-East Region of Romania*

**73. Tulcea, 13-17 septembrie 2023** Conferința Internațională Water resources and wetlands, (6<sup>th</sup> edition):

a) Minea I., Albulesc C.A., Iosub M., Chelariu O.E., Boicu D. - *From air to underground – the impact of droughts in eastern Romania;*

b) Albulesc C.A., Minea I., Larion D., Iosub M., Boicu D. - *Mapping over 80 years of wetland sensitivity to human intervention. The spatial dynamics of the lakes and wetlands of the Jijia-Iași wetlands Ramsar site in 1935-2018;*

**974 Iași, 27-29 octombrie 2023,** *Lucrările Seminarului Geografic Internațional "Dimitrie Cantemir"* Ediția a XLII-a cu lucrările:

a) Niacșu L., Codru I.C., Boicu D., Loghin A., Enea A., Minea I.: *Laboratory of Interdisciplinary Research in Geo-chemistry of Rural Areas (RA-07), Research Center with Integrated Techniques for Atmospheric Aerosol Investigation in Romania (RECENT-AIR);*

b) Codru I.C., Boicu D., Loghin A., Niacșu L., Minea I. *Using Google Earth Engine, Remote Sensing and Digital Terrain Models derived from LiDAR for the identification of salty soils and gullies developed on this soil type;*

c) Chelariu O.E., Iațu C., Minea I.: *Integrated assessment of geophysical and social vulnerability to natural hazards in North-East Region, Romania.*

**75. București, 17-18 noiembrie 2023,** INTERNATIONAL CONFERENCE *Environment at Crossroads: SMART approaches for a sustainable future – ECOSMART* cu lucrarea: Minea I.; Iosub I.; Chelariu O.E.; Boicu D.: *Groundwater sources in Eastern Romania between climate changes impact and social vulnerability;*

**76. Cluj-Napoca, 22-24 martie 2024,** The International Conference Air and Water - components of the environment, 16<sup>th</sup> Edition cu lucrările:

a) Chelariu O.E., Minea I., Iațu C.: *A geospatial analysis of multi-hazard risk in the North-East Region of Romania;*

b) Iosub M., Mihai F.C., Chelariu O.E., Minea I., Lesenciu D.: *PET pollution patterns in the Bistrița River basin, Romania: A multi-criteria analysis approach;*

c) Boicu D., Minea I.: *Groundwater modelling using MODFLOW;*

d) Minea I., Boicu D., Iosub M., Chelariu O.E.: *Hydrogeological droughts - an analysis of the natural risk affecting eastern Romania in the last decades;*

**77. Iași, 30 martie 2024,** A XXX-a Ediție a Simpozionului Internațional de Sisteme Informaționale Geografice și Teledetecție BACKUP GISRS (SPRING EDITION) cu lucrarea: Chelariu O.E., Minea I., Iosub M. *Multi-hazard, exposure and vulnerability in North-East Region of Romania*

**78. Iași, 9-10 iunie 2023,** 19<sup>th</sup> edition of the International Symposium "Present Environment and Sustainable Development" cu lucrările:

a) Minea I., Boicu D., Iosub M., Chelariu O.E.: *Analyzing hydrogeological droughts: a look at the natural risks impacting Eastern Romania over the past decades;*

b) Chelariu O.E., Minea I., Iațu C.: *Spatial distribution of natural hazards and their proximity to cultural heritage in north-eastern Romania*

**ANNEX 3**  
**LIST OF SCIENTIFIC RESEARCH CONTRACTS**

<b>Director</b>				<b>No. of members</b>
<b>No.</b>	<b>Title of contracts, number of identification</b>	<b>Period</b>	<b>Sum</b>	
		<b>Scientific papers</b>		
<b>1.</b>	<i>The use of GIS techniques in the assessment of natural and induced hydrological risks. Case study: the Bahlui hydrographic basin, contract CNCSIS, nr.466/2006,</i>	2006-2007	18.000	1
<b>2</b>	<i>Bahlui drainage basins – hydrological study, contract CNCSIS, nr.22/2008</i>	2008-2009	40.000	1
<b>3</b>	<i>Vulnerability of underground water resources in the Moldavian Plateau to climate change PN-III-P1-1.1-TE-2019-0286, Cod Proiect 149/2020</i>	2020-2022	379340	6
<b>Member in scientific team</b>				
<b>1.</b>	<i>The current state and evolution of wetlands in the eastern part of Romania (Moldova) in the context of global climate change, contract nr.664/2004, CNCSIS, director de contract: prof.dr. Gheorghe Romanescu;</i>	2005-2006	90.000	6 (UAIC)
<b>2.</b>	<i>Sustainable management and conservation of the Lac Crucii hydro ecosystem in the Stânișoara Mountains by creating a lake protection zone (ZPL), contract CNCSIS nr.1401/2005, director de proiect prof. dr. Eugen Rusu;</i>	2005-2007	45.000	6 (UAIC)
<b>3.</b>	<i>The impact of hydro-climatic and pedo-geomorphological risks on the environment in the Bârlad basin, contract CEEX 756/2006, cod MedC 3391 director de proiect prof. dr. Constantin Rusu</i>	2006-2008	1.480.000, din care 1.000.000 (UAIC)	25 (UAIC)
<b>4.</b>	<i>The impact of reservoirs on the environment, contract CEEX 724/2006, cod. MEDC 2068/2006, director de proiect prof. dr. ing. Ion Giură, Universitatea tehnică „Gheorghe Asachi” Iași</i>	2006-2008	50.000 (UAIC)	5 (UAIC)
<b>5.</b>	<i>Evaluation models of the alluvium budget in relation to the anthropogenic impact in a hydrographic basin. Case study: the Trotuș river basin, contract IDEI PN II, nr.146/2007, director de contract lect.dr. Dan Dumitriu;</i>	2007-2011	150000 (UAIC)	5 (UAIC)
<b>6.</b>	<i>Extreme meteorological phenomena associated with air temperature and atmospheric precipitation in Romania cod proiect PN-II-RU-TE-2014-4-0736, director de proiect conf.dr. Adina Eliza Croitoru</i>	2016-2017	125000 euro	5 (2UAIC)
<b>Member of scientific team in international contracts</b>				
<b>1.</b>	<i>CORINE Land Cover 2000 – Grant finanțat de Agenția Europeană de Mediu (EAA) și contractat de către Institutul Național de Cercetare și Dezvoltare "Delta Dunării", director de proiect ing. Jenică Hanganu. Fotointerpretarea unităților de lucru: L-34-11 (A,B,C,D), L-34-23 (A,B,C,D), L-34-143 (C,D) ;</i>	2003-2004	194000 euro	19
<b>2.</b>	<i>CORINE LAND COVER 2006 - Grant finanțat de Agenția Europeană de Mediu (EAA) și contractat de către Institutul Național de Cercetare și Dezvoltare "Delta Dunării", director de proiect ing. Jenică Hanganu. Fotointerpretarea unităților de lucru: L-34-83 (A,B,C,D), L-34-84 (A,B,C,D), L-34-95 (A,B,C,D) și L-34-96 (A,B,C,D);</i>	2007-2008	254000 euro	15
<b>3</b>	<i>Aceștia COST ES1306: Connecting European connectivity research, Management Committee Substitute Member (MC Substitute) în cadrul Comitetului de management al Aceștia, <a href="http://www.cost.eu/COST_Actions/essem/Actions/ES1306?management">http://www.cost.eu/COST_Actions/essem/Actions/ES1306?management</a></i>	2014-2016		3 (UAIC)

**Associate Professor PhD.  
Ionut MINEA**