



LISTA DE LUCRĂRI

NUME ȘI PRENUME: CHELARIU Oana-Elena

A. CĂRȚI ȘI CAPITOLE DE CARTE

1. Minea I., **Chelariu O.E.**, Iosub M., Boicu D. 2019. *Hidrologia mediilor continentale: aplicații practice 2.0*, Editura Transversal, Târgoviște, 165 p. ISBN: 978-606-605-192-7
2. **Chelariu Oana-Elena** 2021. *Managementul riscului la inundații în bazinul hidrografic al râului Sucevița*, Editura Universității ”Alexandru Ioan Cuza” din Iași, 190 p, ISBN: 978-606-714-597-7.
3. Capitolul „Hydrological Extremes Anomalies and Trends in Lower Danube Basin: Case Study—Romanian Drainage Area Between Siret and Prut Rivers”, Pages 381-401, Ionuț Minea, Marina Iosub, Andrei Enea, Daniel Boicu, **Oana-Elena Chelariu**, Book entitled „The Lower Danube River. Hydro-Environmental Issues and Sustainability”, Editors: Abdelazim Negm, Liliana Zaharia, Gabriela Ioana-Toroimac, Springer, Earth and Environmental Sciences Library Series, 15 June 2022, 582 pages, eBook ISBN: 978-3-031-03865-5, Hardcover ISBN: 978-3-031-03864-8, DOI: <https://doi.org/10.1007/978-3-031-03865-5>, <https://link.springer.com/book/10.1007/978-3-031-03865-5>

B. TEZA DE DOCTORAT

”Analiza vulnerabilității și gestionarea riscului la inundații în bazinul hidrografic Sucevița”
Facultatea de Geografie și Geologie, Iași, 17 februarie 2017.

Conducător de doctorat: Prof. Univ. Dr. Gheorghe Romanescu, obținut cu calificativul Excelent/Summa Cum Laude, în baza Ordinului Ministrului Educației Naționale și Cercetării Științifice nr. 4384 din 18.07.2017.



C. ARTICOLE ȘTIINȚIFICE PUBLICATE ÎN REVISTE INDEXATE ISI CU FACTOR DE IMPACT

1. **Chelariu, O.E.**, Minea, I., Iațu, C. 2024. *Integrated assessment of geophysical and social vulnerability to natural hazards in North-East Region, Romania*, Geomatics, Natural Hazards and Risk, 15(1). <https://doi.org/10.1080/19475705.2024.2384607> (IF 4.5, AIS 0.790).
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> (IF 3.4, AIS 0.614)
3. **Chelariu, O.E.**, Iațu, 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(19), 3074, <https://doi.org/10.3390/w14193074> (IF 3.4, AIS 0.517).
4. Minea, I., **Chelariu, O. E.**, Boicu, D., Iosub, M. 2025. *An integrated approach to social vulnerability assessment of groundwater resources in the Moldavian Plain under temperate climatic conditions*. Journal of Hydrology: Regional Studies, 58, 102308. (IF 4.7, AIS 0.943)
5. Minea I., Boicu D., **Chelariu O.E.**, Iosub., Enea A., 2022. *Assessment of recharge capacity potential of groundwater using comparative Multi-Criteria Decision Analysis approaches*, Journal of Geographical Sciences, 32:735-756, <https://doi.org/10.1007/s11442-022-1970-0> (IF 4.9, AIS: 0.782)
6. Minea I., **Chelariu O.E.**, 2020, *Anomalies and trends of high river flow under temperate climatic conditions in north-eastern Romania*, Journal of Water and Climate Change, 12(2) (IF 1.900, AIS: 0.317) doi: 10.2166/wcc.2020.124
7. Minea I., Boicu D., **Chelariu O.E.**, 2020, *Detection of Groundwater Levels Trends Using Innovative Trend Analysis Method in Temperate Climatic Conditions*, Water, 12(8), DOI 10.3390/w12082129 (IF: 3.103, AIS: 0.5)
8. Iosub M., Minea I., **Chelariu O.E.**, Ursu A., 2020, *Assessment of flash flood susceptibility potential in Moldavian Plain (Romania)*, Journal of Flood Risk Management, (IF 3.884, AIS: 0.757) DOI: 10.1111/jfr3.12588
9. Enea A., **Hapciuc O.E.**, Iosub M., Minea I., Romanescu Gh. 2017, *Water quality assessment in three mountainous watersheds from Eastern Romania (Suceava, Ozana and Tazlau rivers)*, Environmental Engineering and Management Journal, vol 16(3), 605 - 614 (IF. 1.334, AIS: 0.086). <http://eemj.eu/index.php/EEMJ/article/view/3211>
10. Romanescu Gh., **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, (IF 3.240, AIS: 0,682), DOI: 10.1111/jfr3.12249.
<http://onlinelibrary.wiley.com/doi/10.1111/jfr3.12249/abstract>

11. Romanescu Gh., **Hapciuc O.E.**, Sandu I., Minea I., Dascală D., Iosub M. 2016, *Quality indicators for Suceava river*, Revista de Chimie, vol. 67(2), 245 – 249 (IF: 1.232, AIS: 0,057) http://www.revistadechimie.ro/article_eng.asp?ID=4851
12. Romanescu Gh., Iosub M., Sandu I., Minea I., Enea A., Dascală D., **Hapciuc O.E.** 2016, *Spatio-temporal analysis of the water quality of the Ozana river*, Revista de Chimie, vol 67(1), 42 – 47 (IF: 1.232, AIS: 0,057). http://www.revistadechimie.ro/article_eng.asp?ID=4807.

D. ARTICOLE ȘTIINȚIFICE PUBLICATE ÎN REVISTE INDEXATE ISI FĂRĂ FACTOR DE IMPACT

1. **Oana-Elena Hapciuc**, Gheorghe Romanescu, Ionut Minea, Marina Iosub, Andrei Enea, Ion Sandu, 2016, *Flood Susceptibility Analysis Of The Cultural Heritage In The Sucevita Catchment (Romania)*, International Journal of Conservation Science, vol 7, issue 2, pp. 501 – 510, http://ijcs.uaic.ro/public/IJCS-16-26_Hapciuc.pdf

E. ARTICOLE ȘTIINȚIFICE PUBLICATE ÎN VOLUMELE CONFERINȚELOR INDEXATE ISI

1. **Hapciuc O.E.**, Minea I., Romanescu Gh., Tomașciuc A.I. 2015, *Flash flood risk management for small basins in mountain-plateau transition zone. Case study for Sucevița catchment (Romania)*, International Multidisciplinary Scientific GeoConference – SGEM din Albena, Bulgaria, Conference Proceedings, Hydrology and Water Resources, vol 1, 301 – 308 pp, <http://www.sgem.org/sgemlib/spip.php?article5941>
2. 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 iunie 2014 Bulgaria, 14th GeoConference on Water resources, Forest, Marine and Ocean Ecosystems, Conference Proceedings, Volume I, Hydrology and Water



Resoruces, vol 1, 315-322 pp., ISBN 978-619-7105-13-1, ISSN 1314-2704, DOI: 10.5593/sgem2014B31; <http://sgem.org/sgemlib/spip.php?article4375>

3. Tomașciuc A.I., **Hapciuc O.E.**, Iașu C. 2015, *Assessing land-use changes in relation to urban sprawl, a case study of the periurban area of Suceava City, Romania*, International Multidisciplinary Scientific GeoConference – SGEM din Albena, Bulgaria, Conference Proceedings, Informatics, Geoinformatics and Remote Sensing, vol 2, 737 – 744, ISBN 978-619-7105-36-0 / ISSN 1314-2704, DOI:10.5593/SGEM2015/B22/S11.092 <http://www.sgem.org/sgemlib/spip.php?article5838&lang=en>

4. Tomașciuc A.I., Eva M., **Hapciuc O.E.**, Iașu C. 2016, *Spatial accessibility and public transport issues in post-socialist metropolitan areas: a case study of Suceava (Romania)*, International Multidisciplinary Scientific GeoConference – SGEM din Albena, Bulgaria, Conference Proceedings, Informatics, Geoinformatics and Remote Sensing, vol 3, 431 – 438 pp.

5. Tomașciuc A.I., Ursu A., **Hapciuc O.E.**, Iașu C., 2016, *The influence of natural factors on land-use changes in metropolitan area of Suceava, Romania (1980 – 2012)*, International Multidisciplinary Scientific GeoConference – SGEM din Albena, Bulgaria, Conference Proceedings, Informatics, Geoinformatics and Remote Sensing, vol 3, 527 – 534 pp.

6. Minea I., **Hapciuc O.E.**, Bănuc G., Jora I. 2016, *Trends and variations of the groundwater level in the north-eastern part of Romania*, International Multidisciplinary Scientific GeoConference – SGEM din Albena, Bulgaria, Conference Proceedings, Informatics, Geoinformatics and Remote Sensing, vol 1, 1053 – 1060.

7. **Hapciuc O.E.**, Iosub M., Tomașciuc A.I., Minea I., Romanescu Gh. 2016, *Identification of the potential risk areas regarding the floods occurrence within small mountain catchments*, Geobalcanica 2nd International Scientific Conference, 177 - 183.

8. Albu M., Stoleriu C.C., Enea A., Iosub M., **Hapciuc O.E.**, Romanescu Gh. 2016, *Geomorphologic risk assessment in Tecucel drainage basin, using GIS techniques*, Geobalcanica 2nd International Scientific Conference, 95 – 102.

9. Minea Ionuț, Iosub Marina, **Oana Elena Hapciuc**, Dan Buruiană 2017, *Identification of the potential flash flood risk areas in Romania using physiographic method*, International Multidisciplinary Scientific GeoConference – SGEM 2017, vol 17, Issue 31, 403 – 410 pp. DOI: 10.5593/sgem2017/31/S12.051.



10. Iosub M., Tomașciuc A.I., **Hapciuc O.E.**, Enea A., 2016, *Flood risk analysis in Suceava city, applied for it's main river course*, Geobalcanica 2nd International Scientific Conference, Physical Geography; Cartography; Geographic Information Systems & Spatial Planing, 111 – 118 p.,

DOI:<http://dx.doi.org/10.18509/GBP.2016.15>.<http://geobalcanica.org/wpcontent/uploads/GBP/2016/GBP.2016.15.pdf>

11. Iosub M., Enea A., Albu L.M., Minea I., **Chelariu O.E.**, 2018, *Identifying flood-prone risk areas, using GIS. Case study: Ozana drainage basin, Romania*, Geobalcanica 4nd International Scientific Conference, Physical Geography, 531-539 pp.; <http://geobalcanica.org/wp-content/uploads/GBP/2018/GBP.2018.58.pdf>

F. ARTICOLE ȘTIINȚIFICE PUBLICATE ÎN REVISTE ÎN REVISTE INTERNAȚIONALE INDEXATE BDI

1. Sfică L., Andrei A., Bărcăcianu F., Cojocaru Ș., Enea A., **Hapciuc O.E.**, Iosub M., Ichim P. 2013, *Analysis of snow-drifting vulnerability. application to Botoșani country*, Lucrările Seminarului Geografic Internațional "Dimitrie Cantemir", nr. 36, (no. 1)43 – 53.

2. Minea I., Mihu-Pintilie A., Iosub M., **Hapciuc O.E.** 2014, *Preliminary evaluation on the ratio between the surface and underground river supply in Eastern Romania*, Aerul și apa componente ale mediului, Edit. Presa Universitară Clujeană, Cluj-Napoca, 150-156, ISSN: 2067-743X, <http://aerapa.conference.ubbcluj.ro/>

3. Enea A., Romanescu Gh., Iosub M., Stoleriu C., **Hapciuc O.E.** 2014, *The relationship between the morphometric characteristics and river network of the Tazlău river basin, hierarchised according to the Horton-Strahler System*, Water resources and wetland, 59 – 66, ISSN: 2285 – 7923, http://www.limnology.ro/water2014/proceedings/7_Enea.pdf

4. **Hapciuc O.E.**, Minea I., Iosub M., Romanescu G. 2015, *The role of the hydro-climatic conditions in causing high floods in the Sucevita river catchment*, Aerul și apa componente ale mediului, Edit. Presa Universitară Clujeană, Cluj-Napoca, 201-209, ISSN: 2067-743X, DOI: [10.17378/AWC2015_27](https://doi.org/10.17378/AWC2015_27) <http://aerapa.conference.ubbcluj.ro/>



5. Iosub M., Minea I., **Hapciuc O.**, Romanescu G. 2015, *The use of HEC-RAS modelling in flood risk analysis*, Aerul și apa componente ale mediului, Edit. Presa Universitară Clujeană, Cluj-Napoca, 315-322, ISSN: 2067-743X, DOI: [10.17378/AWC2015_42](https://doi.org/10.17378/AWC2015_42), <http://aerapa.conference.ubbcluj.ro/>
6. Iosub M., Iordache I., Enea A., **Hapciuc O.E.**, Romanescu Gh., Minea I. 2016, *Drought analysis in Ozana drainage basin*, Aerul și apa componente ale mediului, Edit. Presa Universitară Clujeană, Cluj-Napoca Cluj-Napoca, 392 – 399, <http://aerapa.conference.ubbcluj.ro/>
7. [Chelariu Ciprian, Hapciuc Oana-Elena, 2017](#), *Geodiversity assessment of Moldova catchment in the mountain area*, Lucrările Seminarului Geografic "Dimitrie Cantemir" nr. 45, 5 – 14 pp.
8. **Chelariu Oana Elena**, Iașu Corneliiu, Stoleru Anamaria Ioana, Minea Ionuț, Chelariu Ciprian. 2019, *Flood Assessment Based On Multi-Criteria Analysis In Moldova Region And The Impact On Territorial Development*, International Multidisciplinary Scientific GeoConference – SGEM din Albena, Bulgaria, Conference Proceedings, Hydrology and Water Resources, vol 19, issue 3.1, 193 – 200 pp, ISBN 978-619-77408-81-2 / ISSN 1314-2704, doi: <https://doi.org/10.5593/sgem2019/3.1>
9. Ursu Adrian, **Chelariu Oana-Elena**, Stoleru Anamaria-Ioana. 2019, *From Industrial To Commercial, An Eastern-European Phenomenon. Case Study: Moldova, Romania*, International Multidisciplinary Scientific GeoConference – SGEM din Albena, Bulgaria, Conference Proceedings, Informatics, Geoinformatics and Remote Sensing, vol 19, issue 2.2, 847-854 pp, ISBN 978-619-7408-80-5 / ISSN 1314-2704, doi: <https://doi.org/10.5593/sgem2019/2.2>
10. Minea I., **Chelariu O. E.**, Iosub M., Enea A., 2019, *Flood vulnerability for transition areas. Case study for Easter Carpathian Mountains (Romania)*, International Conference on Innovation, Sustainability, Technology and Education in Civil Engineering, 13-15 June 2019, Iskenderun, Turcia, 57-69, ISBN: 978-605-031-927-9.
11. Stoleru Ana-Maria Ioana, Chelariu Oana-Elena, Iașu Corneliiu, 2019, *Dynamics of Urban Systems in Relation to Land-Use Changes in the North East Development Region of Romania*, Lucrarile Seminarului Geografic "Dimitrie Cantemir", vol 47, no 1.
12. Boicu, D., Minea, I., **Chelariu, O.E.**, Iosub, M. (2019) *Evaluation on Groundwater Recharges Capacity Using the AHP Method - Case Study: The Moldavian Plain*. 2019 "Air and



Water – Components of the Environment” Conference Proceedings, Cluj-Napoca, Romania, p. 181-188, DOI: 10.24193/AWC2019_18.

13. Minea, I.; Boicu, D.; Iosub, M.; **Chelariu, O.-E.**; Solomon, B., 2020, *Long-Term Trends in Rivers Flow from North-Eastern Part of Romania*, 20th International Multidisciplinary Scientific GeoConference SGEM 2020, Albena, Bulgaria, Conference Proceedings, ISBN 978-619-7408-80-5/ISSN 1314-2704, vol. Hydrology and Water Resources, 225-232, 10.5593/sgem2020/3.1/s12.030

14. Minea I., Boicu D., Iosub M., **Chelariu O.E.**, 2020, *Groundwater Drought Evolution in North-Eastern Part of Romania*, Geobalcanica 6nd International Scientific Conference, Physical Geography; Cartography; Geographic Information Systems & Spatial Planing Ohrid, Macedonia, 55-60 pp., DOI: <http://dx.doi.org/10.18509/GBP.2020.06>. <http://geobalcanica.org/proceedings-2020>.

15. 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.