

FIȘA PRIVIND ÎNDEPLINIREA STANDARDELOR MINIMALE PE DOMENII ALE UNIVERSITĂȚII, PENTRU POSTUL DE LECTOR UNIVERSITAR

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Domeniul Geografie și Geologie

Candidat: ENEA Andrei

Criteriu	Îndeplinire criteriu
5 articole științifice publicate în extenso în reviste indexate BDI	<p>1. Alina Tirnovan, Ovidiu Covaci, Marius Robert Gazda, Narcis Barsan, Andrei Enea - <i>Flood vulnerability reduction. Case study: Tazlău river basin, downstream of its confluence with Tazlău Sărat</i>, Present Environment and Sustainable Development Journal, Volume 15, number 2, 2021 DOI: https://doi.org/10.15551/pesd2021152015 http://www.pesd.ro/articole/nr.15/nr.2/pesd2021152015.pdf</p> <p>2. Enea Andrei, Albu Liviu-Marian, Iosub Marina, Niacșu Lilian, Stoleriu Cristian Constantin – “<i>Wildfire Impact Assessment on the Inhabited Areas and The Environment. Case Study: Central Greece and Thessaly</i>”, 20th International Multidisciplinary Scientific GeoConference SGEM 2020, Albena, Bulgaria, Conference Proceedings, vol. Photogrammetry and Remote Sensing. 293-300 p., 10.5593/sgem2020/2.2/s10.035, 2020 https://www.sgem.org/index.php/elibrary-research-areas?view=publication&task=show&id=7074</p> <p>3. Minea Ionut, Boicu Daniel, Iosub Marina, Chelariu Oana-Elena, Enea Andrei – “<i>Groundwater drought evolution in North-Eastern part of Romania</i>”, Geobalcanica, 6th International Scientific Conference, Secțiunea Physical Geography, 12-13 mai 2020, Ohrid, North Macedonia, DOI: http://dx.doi.org/10.18509/GBP.2020.06 http://geobalcanica.org/wp-content/uploads/GBP/2020/GBP.2020.06.pdf</p> <p>4. Iosub Marina, Enea Andrei, Minea Ionuț, “<i>Flash flood impact on the cultural heritage in Moldova Region, Romania, Case study: Jijia valley</i>”, 19th International Multidisciplinary Scientific GeoConference SGEM 2019, Albena, Bulgaria, Conference Proceedings, ISBN 978-619-7408-80-5 / ISSN 1314-2704, vol. 19, Book 2.2, 839-846 pp., DOI: 10.5593/sgem2019/2.2/S11.103 https://www.sgem.org/index.php/elibrary?view=publication&task=show&id=5567</p> <p>5. Albu Liviu Marian, Enea Andrei, Niacșu Lilian, Stoleriu Cristian Constantin, “<i>Using GIS for landslide susceptibility mapping. An application of Analytical</i></p>

Hierarchy Process on Sitna river basin, Botoșani, Romania”, 19th International Multidisciplinary Scientific GeoConference SGEM 2019, Albena, Bulgaria, Conference Proceedings, ISBN 978-619-7408-80-5 / ISSN 1314-2704, vol. 19, Book 2.2, 1071-1078 pp., DOI: 10.5593/sgem2019/2.2/S11.132

<https://www.sgem.org/index.php/elibrary?view=publication&task=show&id=5596>

6.**Enea Andrei**, Iosub Marina, Albu Liviu Marian, Urzică Andrei, Stoleriu Petronela Alexandra, “*Multi-criterial GIS analysis for identifying optimum location for vineyard placement. Case study: Moldova Region, Romania*”, 19th International Multidisciplinary Scientific GeoConference SGEM 2019, Albena, Bulgaria, Conference Proceedings, ISBN 978-619-7408-80-5 / ISSN 1314-2704, vol. 19, Book 2.2, 931-938 pp., DOI: 10.5593/sgem2019/2.2/S11.115

<https://www.sgem.org/index.php/elibrary?view=publication&task=show&id=5579>

7. Huțanu Elena, Urzică Andrei, **Enea Andrei**, “*Evaluation of damages caused by floods, based on satellite images. Case study: Jijia river, Slobozia-Dangeni sector, July 2010*”, Present Environment and Sustainable Development, vol 12, no 2, 14 nov 2018, Iași, DOI: <https://doi.org/10.2478/pesd-2018-0035>

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8.**Andrei Enea**, Liviu-Marian Albu, Marina Iosub, Andrei Urzica, “*Comparative, multi-parameter modelling, at a basinal and sub-basinal level, for flood vulnerability, in Tecucel watershed*”, Geobalcanica, 4th International Scientific Conference, Secțiunea Cartography, GIS and Spatial Planning; Teaching and Educational Geography, 15-16 mai 2018, Ohrid, Republic of Macedonia, DOI: <http://dx.doi.org/10.18509/GBP.2018.60>

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9. Liviu-Marian Albu, **Andrei Enea**, Cristian-Constantin Stoleriu, Iosub Marina, Gheorghe Romanescu, Hutanu Elena, “*Evaluation of the propagation time of a theorethical flood wave in the case of the breaking of Catamarasti dam, Botosani (Romania)*”, Geobalcanica, 4th International Scientific Conference, Secțiunea Cartography, GIS and Spatial Planning; Teaching and Educational Geography, 15-16 mai 2018, Ohrid, Republic of Macedonia DOI: <http://dx.doi.org/10.18509/GBP.2018.54>

<http://geobalcanica.org/wp-content/uploads/GBP/2018/GBP.2018.54.pdf>

10. Marina Iosub, **Andrei Enea**, Marian Albu, Ionut Minea, Chelariu Oana Elena, “*Identifying flood-prone risk areas, using GIS. Case study: Ozana drainage*

basin, Romania", Geobalcanica, 4th International Scientific Conference, Secțiunea Cartography, GIS and Spatial Planning; Teaching and Educational Geography, 15-16 mai 2018, Ohrid, Republic of Macedonia, DOI: <http://dx.doi.org/10.18509/GBP.2018.58>
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11. **Enea Andrei**, Iosub Marina, Stoleriu Cristian Constantin, Ursu Adrian, Romanescu Gheorghe, "*The drone - a methodological tool, for generating base layers in GIS*", Geobalcanica, 4th International Scientific Conference, Secțiunea Cartography, GIS and Spatial Planning; Teaching and Educational Geography, 15-16 mai 2018, Ohrid, Republic of Macedonia, DOI: <http://dx.doi.org/10.18509/GBP.2018.56>
<http://geobalcanica.org/wp-content/uploads/GBP/2018/GBP.2018.56.pdf>

12. **Andrei Enea**, Daniel Neamțu, Cristian Constantin Stoleriu, Gheorghe Romanescu, "*Suitability analysis for building dam lakes in the Oriental Carpathian Mountains, Romania. Case study: Trotus river basin*", Geobalcanica 2nd International Scientific Conference, 10-12 iunie 2016, Skopje, Republic of Macedonia, DOI: <http://dx.doi.org/10.18509/GBP.2016.14>
<http://geobalcanica.org/wp-content/uploads/GBP/2016/GBP.2016.14.pdf>

13. Marian Albu, Cristian Constantin Stoleriu, **Andrei Enea**, Marina Iosub, Oana Elena Hapciuc, Gheorghe Romanescu, "*Geomorphologic risk assessment in Tecucel drainage basin, using GIS techniques*", Geobalcanica 2nd International Scientific Conference, 10-12 iunie 2016, Skopje, Republic of Macedonia, DOI: <http://dx.doi.org/10.18509/GBP.2016.13>
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14. Marina Iosub, Ioana Anamaria Tomașciuc, Oana Elena Hapciuc, **Andrei Enea** - "*Flood risk analysis in Suceava city, applied for it's main river course*", Geobalcanica 2nd International Scientific Conference, 10-12 iunie 2016, Skopje, Republic of Macedonia, DOI: <http://dx.doi.org/10.18509/GBP.2016.15>
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15. Oana-Elena Hapciuc, Gheorghe Romanescu, Ionut Minea, Marina Iosub, **Andrei Enea**, Ion Sandu, "*Flood Susceptibility Analysis Of The Cultural Heritage In The Sucevita Catchment (Romania)*", International Journal of Conservation Science, vol. 7, issue 2, april-june, pp. 501-510, 2016, Print ISSN: 2067-533X, Online ISSN: 2067-8223,

http://ijcs.uaic.ro/public/IJCS-16-26_Hapciuc.pdf

16. Marina Iosub, Iulian Iordache, **Andrei Enea**, Gheorghe Romanescu, Ionut Minea "*Spatial and temporal analysis of dry/wet conditions in Ozana drainage basin, Romania using the Standardized Precipitation Index*" Simpozionul International "Multidisciplinary Scientific GeoConference" (SGEM) din Albena, Bulgaria, ISBN 978-619-7105-36-0 / ISSN 1314-2704, June 18-24, 2015, Book 3 Vol. 1, 585-592 pp, Secțiunea Hydrology and Water Resources, DOI: <http://dx.doi.org/10.5593/SGEM2015/B31/S12.075>
<http://www.sgem.org/sgemlib/spip.php?article5979>

17. Andrei Verdeanu, Marina Iosub, **Andrei Enea**, Gheorghe Romanescu "*An application of GIS for identifying new, potential railway routes in the central and southern divisions of the Eastern Carpathian Mountains, Romania*" Simpozionul International "Multidisciplinary Scientific GeoConference" (SGEM) din Albena, Bulgaria, ISBN 978-619-7105-35-3 / ISSN 1314-2704, June 18-24, 2015, Book 2 Vol. 2, 657-664 pp, Secțiunea Cartography and GIS, DOI: <http://dx.doi.org/10.5593/SGEM2015/B22/S11.082>
<http://www.sgem.org/sgemlib/spip.php?article5828>

18. Albu Marian, **Andrei Enea**, Romanescu Gheorghe, Iosub Marina, Stoleriu Cristian Constantin, "*Polarization areas of lakes, as quantitative water resources*", Simpozionul International "Multidisciplinary Scientific GeoConference" (SGEM) din Albena, Bulgaria, ISBN 978-619-7105-36-0 / ISSN 1314-2704, June 18-24, 2015, Book 3 Vol. 1, 509-516 pp, Secțiunea Hydrology and Water Resources, DOI: <http://dx.doi.org/10.5593/SGEM2015/B31/S12.065>
<http://www.sgem.org/sgemlib/spip.php?article5969>

19. **Andrei Enea**, Gheorghe Romanescu, Cristian Constantin Stoleriu, Marina Iosub, Marian Albu, "*Evolution of river meandering and sinuosity ratio in Tazlau river basin, Romania*", Simpozionul International "Multidisciplinary Scientific GeoConference" (SGEM) din Albena, Bulgaria, ISBN 978-619-7105-36-0 / ISSN 1314-2704, June 18-24, 2015, Book 3 Vol. 1, 285-292 pp, Secțiunea Hydrology and Water Resources, DOI: <http://dx.doi.org/10.5593/SGEM2015/B31/S12.037>
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20. Angela Lupașcu, Daniela Chelariu, Cristian Valeriu Patriche, **Andrei Enea**, "*Organic Matter Composition In Representative Soils From Igniș Mountains*", Simpozionul International "Multidisciplinary Scientific

	<p>GeoConference" (SGEM) din Albena, Bulgaria, ISBN 978-619-7105-37-7 / ISSN 1314-2704, June 18-24, 2015, Book 3 Vol. 2, 249-254 pp, Secțiunea Soils, DOI: http://dx.doi.org/10.5593/SGEM2015/B32/S13.034 http://www.sgem.org/sgemlib/spip.php?article6042</p> <p>21. Marina Iosub, Andrei Enea, Oana Elena Hapciuc, Gheorghe Romanescu, Ionut Minea „<i>Flood risk assessment for the Ozana river sector corresponding to Leghin village, Romania</i>”, International Multidisciplinary Scientific GeoConference SGEM, Albena, Bulgaria, ISBN 978-619-7105-13-1 / ISSN 1314-2704, June 19-25, 2014, Book 3, Vol. 1, 315-322 pp, Secțiunea Hydrology and Water Resources, DOI: http://dx.doi.org/10.5593/SGEM2014/B31/S12.041</p>
2 articole științifice publicate în extenso în reviste indexate ISI cu factor de impact >0, din care minim 1 articol ca prim autor	<p>1. Enea Andrei, Cristian Constantin Stoleriu, Marina Iosub, Lilian Niacsu. <i>A GIS Automated Tool for Morphometric Flood Analysis Based on the Horton–Strahler River Classification System</i>, Water Journal, MDPI, Volume 16, number 4, 2024: 536, https://doi.org/10.3390/w16040536</p> <p>2. Ovidiu Covaci, Marius Robert Gazda, Bogdan Ionuț Niga, Andrei Enea, Marina Iosub, Alina Tirnovan, <i>Automation of the Rational Formula using GIS infrastructure – Case study Siret River Basin – Romania</i>, Present Environment and Sustainable Development Journal, Volume 17, number 2, 2023, https://doi.org/10.47743/pesd2023172003</p> <p>3. Andrei Enea, Marina Iosub, Cristian Constantin Stoleriu - <i>A Low-Cost, UAV-Based, Methodological Approach for Morphometric Analysis of Belci Lake Dam Breach, Romania</i>, Water Journal, MDPI, 2023, 15, 1655. https://doi.org/10.3390/w15091655</p> <p>4. Ionut-Costel Codru, Lilian Niacsu, Andrei Enea, Latifa Bou-imajane, <i>Gully Head-Cuts Inventory and Semi-Automatic Gully Extraction Using LiDAR and Topographic Openness—Case Study: Covurlui Plateau, Eastern Romania</i>, Land Journal, MDPI, 2023, 12, 1199. https://doi.org/10.3390/land12061199</p> <p>5. Minea Ionuț, Boicu Daniel, Chelariu Oana-Elena, Iosub Marina, Enea Andrei - <i>Assessment of recharge capacity potential of groundwater using comparative Multi-Criteria Decision Analysis approaches</i>, Journal of Geophysical Sciences, 32(4):735-756, 29 martie 2022. (Toti autorii au drepturi egale) (Indexat in Q2/zona galbena; IF: 3.534, AIS: 0.687), https://link.springer.com/article/10.1007/s11442-022-1970-0</p>

6. Adrian Ursu, Cristian Constantin Stoleriu, Constantin Ion, Vasile Jitariu, **Andrei Enea** – „*Romanian Natura 2000 Network: Evaluation of the Threats and Pressures through the Corine Land Cover Dataset*”, Remote Sensing Journal, MDPI, vol 12(13), 2075; 28 iunie 2020, DOI: <https://doi.org/10.3390/rs12132075> (Toti autorii au drepturi egale) (Indexat in Q1/zona rosie; IF: 4.509, AIS: 0.927), <https://www.mdpi.com/2072-4292/12/13/2075>

7. Liviu-Marian Albu, **Andrei Enea***, Marina Iosub, Iuliana-Gabriela Breabăn – „*Dam Breach Size Comparison for Flood Simulations. A HEC-RAS Based, GIS Approach for Drăcșani Lake, Sitna River, Romania*”, Water Journal, MDPI, vol 12(4), 1090; 12 aprilie 2020, DOI: <https://doi.org/10.3390/w12041090> (*ca autor corespondent. Toti autorii au drepturi egale) (Indexat in Q2/zona galbena; IF:3.103, AIS: 0.5), <https://www.mdpi.com/2073-4441/12/4/1090>

8. **Andrei Enea**, Andrei Urzică, Iuliana-Gabriela Breabăn – “*Remote sensing, GIS and HEC-RAS techniques, applied for flood extent validation, based on LANDSAT imagery, LiDAR and hydrological data. Case study: Bașeu river, Romania*”, Journal of Environmental Protection and Ecology, vol 19, no. 3, 2018, pag. 1091-1101 (IF: 0,679, AIS: 0.033), <http://www.jepe-journal.info/journal-content/vol-19-no-3>

9. Romanescu Gheorghe, Iosub Marina, Sandu Ion, Minea Ionuț, **Enea Andrei**, Dascalita Dan, Hapciuc Oana-Elena, "Spatio-temporal Analysis of the Water Quality of the Ozana River", Revista de Chimie, București, volumul 67 (1), pag 42-47 January 2016, ISSN 0034-7752 (IF: 0,956, AIS: 0,063), http://revistadechimie.ro/article_eng.asp?ID=4807

10. Gheorghe Romanescu, Octavian Bounegru, Cristian Constantin Stoleriu, Alin Mihu-Pintilie, Cristi Ionut Nicu, **Andrei Enea**, Cristina Oana Stan, "The ancient legendary island of PEUCE - myth or reality?", Journal of Archaeological Science 53 (2015) 521-535, Elsevier, 25 November 2014 (IF: 2,139, AIS: 0.603) <http://www.sciencedirect.com/science/article/pii/S030544031400421X>

11. **Andrei Enea**, Oana-Elena Hapciuc, Marina Iosub, Ionuț Minea, Gheorghe Romanescu, "Water quality assessment in three mountainous watersheds from eastern Romania (Suceava, Ozana and Tazlău rivers)" Environmental Engineering and Management Journal, Martie 2017, vol. 16, nr. 3, 605-614 p. (IF: 1.096, AIS: 0.086), <http://dx.doi.org/10.30638/eemj.2017.062>