

**STANDARDE MINIMALE PE DOMENII PENTRU FUNCȚII DE CERCETARE****Perioada determinată (conform Anexa 2b)****Funcția de cercetare: Cercetător Științific gr. III****Facultatea de Geografie și Geologie:****A. 6 articole științifice publicate in extenso in reviste internaționale din care 3 autor principal in reviste indexate BDI**

- 1. Mihai F-C.** 2018. Rural plastic emissions into the largest mountain lake of the Eastern Carpathians. Royal Society Open Science, 2018, 5(5), Page 172396 DOI: [10.1098/rsos.172396](https://doi.org/10.1098/rsos.172396) IF2017: **2.504** AIS2017: **0.948** **Yellow zone**
PRECISI2018- PN-III-P1-1.1-PRECISI2018-24285 (Lista 6_2018_in asteptare)
- 2. Mihai F-C, Ingrao C, (2018)** Assessment of biowaste losses through unsound waste management practices in rural areas and the role of home composting, Journal of Cleaner Production **172 pp. 1631-1638**, doi: 10.1016/j.jclepro.2016.10.163. IF **2017: 5.651 RED ZONE**; AIS: **0.816 RED ZONE** (Environmental Engineering –Q1) **Yellow zone** (Environmental Science-Q1; Green & Sustainable Science & Technology-Q1) **Premiat : PRECISI2018 - PN-III-P1-1.1- PRECISI-2018- 23160** (Lista 5_2018)
- 3. Mihai FC** (2018) Waste collection in rural communities: challenges under EU regulations. A case study of Neamt County, Romania. Journal of Material Cycles and Waste Management. 20(2) : 1337-1347 doi: 10.1007/s10163-017-0637-x IF 2017: 1.693, AIS **2017: 0.296**
- 4. Mihai, FC.** (2017) One Global Map but Different Worlds: Worldwide Survey of Human Access to Basic Utilities. Hum Ecol 45(3), 425-429 doi:10.1007/s10745-017-9904-7 IF (2016): 1.743 (**RED ZONE**), AIS: 0.636; **Yellow zone** (Sociology-Q1/Anthropology- Q1 /Environmental Studies –Q2) **Premiat : PRECISI2017- PN-III-P1-1.1- PRECISI-2017- 15538** (IF2017- 1.642 AIS2017:0.602)
- 5. Mihai, FC., Iatu C., Grozavu., A.,** 2018. Rural waste disposal issues within urban borders. 18th International Multidisciplinary Scientific GeoConference on Ecology, Economics, Education and Legislation SGEM 2018, Conference Proceedings, vol.18 , Issue 5.1 pp.761-768, ISSN 1314-2704 (in curs de indexare)
- 6. 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 (in curs de indexare)
- 7. Mihai, FC., Grozavu., A.,** 2017, Spatial assessment of construction waste generated by residential buildings in rural areas. 17th International Multidisciplinary Scientific Geoconference. Conference Proceedings (vol 17) on INFORMATICS, GEOINFORMATICS AND REMOTE SENSING (Issue 23) pp 649 – 656 **10.5593/sgem2017/23/S11.081**

8. Grozavu., A., Patriche C.V., **Mihai, F.C.**, 2017. Application of AHP method for mapping slope geomorphic phenomena. 17th International Multidisciplinary Scientific Geoconference. Conference Proceedings (vol 17) on INFORMATICS, GEOINFORMATICS AND REMOTE SENSING (Issue 23) pp.377 - 384 **DOI: 10.5593/sgem2017/23/S11.046**
9. **Mihai, F.C.**, Oiste A.M., Chelaru D.A. , 2014, *Rural waste generation : a geographical survey at local scale* , 14th International Multidisciplinary Scientific GeoConference on ECOLOGY, ECONOMICS, EDUCATION AND LEGISLATION SGEM 2014, Conference Proceedings, vol.1 : 585 – 593, ISSN 1314-2704, DOI: 10.5593/SGEM2014/B51/S20.080
10. Chelaru D.A., Oiste A.M., **Mihai, F.C.**, *Quantifying the changes in landscape configuration using open source GIS. Case study: Bistrita subcarpathian valley, Romania*, 14th International Multidisciplinary Scientific GeoConference on ECOLOGY, ECONOMICS, EDUCATION AND LEGISLATION SGEM 2014, Conference Proceedings, vol 1: 557 – 565, ISSN 1314-2704, **DOI: 10.5593/SGEM2014/B51/S20.076**
11. **Mihai, F.C.**, 2013, *Quantitative assessment of household waste disposed in floodplains of rivers from extra-Carpathian region of Neamț county, Romania*, 13th International Multidisciplinary Scientific GeoConference on ECOLOGY, ECONOMICS, EDUCATION AND LEGISLATION, SGEM 2013 , Conference Proceedings vol1: 781-788, ISSN 1314-2704 (ISBN 978-619-7105-04-9), **DOI:10.5593/SGEM2013/BE5.V1/S20.103**
12. **Mihai, F.C.**, Apostol,L., Chelaru D.A., Ursu, A., 2013, *EU acquis compliance on urban waste management. Case study: Piatra Neamt , Romania* , 13th International Multidisciplinary Scientific GeoConference on ECOLOGY, ECONOMICS, EDUCATION AND LEGISLATION, SGEM 2013 , Conference Proceedings vol 1: 423-430, ISSN 1314-2704, (**DOI:10.5593/SGEM2013/BE5.V1/S20.056**)
13. **Mihai, F.C.**, Ursu, A., Ichim,P., Chelaru, D.A., 2013, *Determining rural areas vulnerable to illegal dumping using GIS techniques. Case study: Neamț county, Romania* , 13th International Multidisciplinary Scientific GeoConference on ECOLOGY, ECONOMICS, EDUCATION AND LEGISLATION, SGEM 2013 Conference Proceedings vol1 : 275-282, ISSN 1314-2704 (ISBN 978-619-7105-04-9) **DOI:10.5593/SGEM2013/BE5.V1/S20.037**
14. Chelaru D.A., Apostol,L., **Mihai, F.C.**, Ursu, A., Restructuring the post-industrial landscape of Bistrita subcarpathian valley , Romania, 13th International Multidisciplinary Scientific GeoConference on INFORMATICS, GEOINFORMATICS AND REMOTE SENSING, SGEM 2013 ,Conference Proceedings vol 1 : 881-888, **DOI:10.5593/SGEM2013/BB2.V1/S11.035** , ISSN 1314-2704
15. Chelaru D.A., Ursu, A., Roșca B., **Mihai, F.C** , Analysing the spatio-temporal evolution of built-up area in Bistrita subcarpathian valley using G.I.S techniques, 13th International Multidisciplinary Scientific GeoConference on INFORMATICS, GEOINFORMATICS AND REMOTE SENSING ,SGEM 2013 , vol 1 :, 637-644, **DOI:10.5593/SGEM2013/BB2.V1/S11.004**. ISSN 1314-2704
16. **Mihai, F.C**, Apostol,L., Ghiurcă A.A., Lămașanu A., *Spatio-temporal analysis of Romania's rural population access to sanitation services in the context of EU accession*, 12th International Multidisciplinary Scientific GeoConference, SGEM 2012 , Conference Proceedings, vol 5, pp.787-792, ISSN 1314-2704 (**DOI: 10.5593/sgem2012/s20.v5106**)
17. **Mihai, F.C.**, Apostol, L., Ghiurca , A.A, Lămașanu A., Bănică Al., *Geographical distribution of rural dumpsites in North-East Region from Romania*, 12th International Multidisciplinary Scientific GeoConference SGEM 2012, Conference Proceedings, vol 5, pp. 447-452, ISSN 1314-2704 (**DOI: 10.5593/sgem2012/s20.v5060**)
18. **Mihai, F.C.**, (2015) Accessibility of waste collection services in Romania: a multi-scale analysis in EU context using thematic cartography, Bollettino dell'Associazione Italiana di Cartografia 154 : 80-89 DOI: 10.13137/2282-472X/11829 <http://hdl.handle.net/10077/11829>
19. **Mihai, F.C.** (2015) Spatial distribution of rural dumpsites parameters in Romania, Bollettino dell'Associazione Italiana di Cartografia 154:90-98 DOI: 10.13137/2282-472X/11830 <http://hdl.handle.net/10077/11830>

20. Oiste A.M , **Mihai, F.C.**, Chelaru D.A, (2015) Soundscape in North-Eastern Part of Iasi City (Sararie – Ticau District) Bulletin USAMV series Agriculture 72(1), pp.179-186 **DOI 10.15835/buasvmcn-agr:11190** (Web of Knowledge via Zoological Record , Thomson Reuters Master Journal list, EBSCO, DOAJ, CABI, Index Copernicus etc)
21. **Mihai, F.C.**, 2013, *Development of MSW collection services on regional scale : spatial analysis and urban disparities in North-East Region, Romania*, AGD Environment & Landscape, 7 (1): 13-18, ISSN 1789-4921 (print),1789-7556 (online), Debrecen, Hungary . (EBSCO , Genamics , DOAJ, OARE, Open J-GATE, CABI, ScienceGate, Ulrichweb). <http://dx.doi.org/10.5281/zenodo.19118>
22. **Mihai F.C.**, 2013. *Quantitative assessment method of illegal dumping în small rivers. Case study: Neamt County, Romania* , Bulletin UASVM Agriculture, serie 70 (2) , 397-402 , Print ISSN (1843-5246) (Web of Knowledge via Zoological Record , Thomson Reuters Master Journal list, EBSCO, DOAJ, CABI, Index Copernicus etc) <http://dx.doi.org/10.5281/zenodo.19133>
23. **Mihai F.C.**, 2013 Estimations of flood waste from rural dumpsites located on floodplains from Neamț, County, Romania, Bulletin UASVM Agriculture, serie 70 (2) short. com., 447-448 (Web of Knowledge via Zoological Record , Thomson Reuters Master Journal list, EBSCO, DOAJ, CABI, Index Copernicus etc) <http://dx.doi.org/10.5281/zenodo.19135>
24. **Mihai F.C.**, Apostol L., Ursu A., Ichim P., 2013 *Landfills as anthropogenic landforms in urban environment from Neamț county*. AES Bioflux 5 (2):100-108. ISSN 2066-7620 (online 2065-7647) (Web of Knowledge via Zoological Record, Thomson Reuters - Master Journal List, CABI, scholar, Open J-Gate, Ebscohost, Geobase, CNCSIS B+) <http://dx.doi.org/10.5281/zenodo.19125>
25. **Mihai F.C.**, Ichim P., 2013, *Landfills – territorial issues of cities from North-East Region, Romania*, Forum Geografic. Geographical studies and environment protection research, 12 (2), 201-2010, **doi:10.5775/fg.2067-4635.2013.244d**, (EBSCO, DOAJ, Index Copernicus, Proquest, Crossref, WorldCat), ISSN 1583-1523, online : 2067-4635
26. **Mihai, F.C.**, Lămășanu, A., 2013, *Spatial analysis of dumpsites volumes from rural territory Case study: Neamt County, Romania*, Forum Geografic. Geographical studies and environment protection research, 12 (1): 59-66, **doi:10.5775/fg.2067-4635.2013.063.i** (EBSCO, DOAJ, Index Copernicus, Proquest, Crossref, WorldCat), ISSN 1583-1523
27. **Mihai, F.C.**, 2013, *Performance assessment method of urban waste management systems from Neamț County, Romania*, Present Environment and Sustainable Development, 7 (1): 160-167, ISSN: 1843-5971 <http://dx.doi.org/10.5281/zenodo.19120> (EBSCO, DOAJ , Index Copernicus, Genamics, Ulrichsweb)
28. **Mihai, F.C.**, 2013, *Tourism implications on local waste management. Case study: Neamț County*, Present Environment and Sustainable Development, 7 (1): 214-221, ISSN: 1843-5971 (EBSCO, DOAJ , Index Copernicus, Genamics, Ulrichsweb) <http://dx.doi.org/10.5281/zenodo.19119>
29. **Mihai, F.C.**, Lămășanu, A., Apostol,L., 2012, *Regional disparities in urban population access to sanitation services.Case study: Romania*, Mediterranean Journal of Social Sciences, Special issue ,vol 3(6), pp.273-279 ISSN 2039-9340 (print version) / pp.281-287 ,ISSN 2039-2117 (online version) Rome, Italy <http://dx.doi.org/10.5281/zenodo.8662> (Proquest- Social Science Index, EBSCOhost etc)
30. **Mihai, F.C.**, 2012, *Improper Household Waste Disposal in Rural Territory.Case Study: Neamt County,Romania*, Bulletin UASVM Agriculture, serie 69 (2) , 15-20, Print ISSN (1843-5246) (Web of Knowledge via Zoological Record, Thomson Reuters Master Journal list, EBSCO, DOAJ, CABI, Index Copernicus etc) <https://zenodo.org/badge/doi/10.5281/zenodo.19131.svg>
31. **Mihai, F.C.**, 2012, *Population access to waste collection services: urban vs rural areas in Romania*, Bulletin UASVM Agriculture 69 (2) short com., 464-466, Print ISSN (1843-5246) (Web of Knowledge via Zoological Record, Thomson Reuters Master Journal list, EBSCO, DOAJ, CABI, Index Copernicus etc) <http://dx.doi.org/10.5281/zenodo.19130>
32. Apostol L., **Mihai, F.C.**, (2012) *Rural waste management: challenges and issues in Romania*, Present Environment and Sustainable Development, 6 (2), 105-114 , ISSN: 1843-5971 EBSCO, DOAJ , Index Copernicus, Genamics, Ulrichsweb) <http://dx.doi.org/10.5281/zenodo.19121>

33. **Mihai, F.C.**, Apostol,L., 2012, *Disparities in municipal waste management across EU-27. A geographical approach*, Present Environment and Sustainable Development, 6 (1), pp.169-180 ISSN: 1843-5971 <http://dx.doi.org/10.5281/zenodo.19123> (EBSCO, DOAJ , Index Copernicus, Genamics, Ulrichsweb)
34. **Mihai, F.C.**, Apostol,L., (2012), Development of waste collection services on rural territory from Neamț County, *Analele Universității Oradea, Fascicula: Protecția Mediului*, 18 (1),370-375, ISSN 1224-6255 (CAB DIRECT, CNCSIS B+) <http://dx.doi.org/10.5281/zenodo.19137>
35. **Mihai. F.C.**, Apostol L., Ursu, A., Ichim.P., 2012 ,Vulnerability of mountain rivers to waste dumping from Neamț County, Romania, *Geographia Napocensis*, 6 (2) ,51-59, ISSN 1843-5920 <http://dx.doi.org/10.5281/zenodo.19126> (DOAJ Index Copernicus, Ulrichweb, SCIPIO, Electrinoc Journals Library)
36. **Mihai, F.C.**, 2012, *Geography of waste as a new approach in waste management study*, *Lucr.Seminarului Geografic " Dimitrie Cantemir"* nr 33,39-46,ISSN 1222-989X (**Index Copernicus, UlrichsWeb, SCIPIO**) <http://dx.doi.org/10.5281/zenodo.19110>
37. Lămășanu A., Ghiurca A.A., **Mihai, F.C.**, (2012) *Implication of demographic dimension in sustainable rural development. Case study: Râșca Valley*, *Lucrări Științifice Management Agricol*, Seria I, vol. 14 (1) pp. 343-350, ISSN:1453-1410 , E-ISSN: 2069 – 2307 (**CABI, DOAJ, EBSCO**) <http://dx.doi.org/10.5281/zenodo.19142>
38. Ghiurcă, A.A., Lămășanu, A., **Mihai, F.C.**, (2012). *Rural-urban relations in the context of sustainable development. Case Study: Cujești Valley Basin*, Neamț County, *Scientific Papers. Agronomy Series* vol. 55 (2) : 327-330 , electronic ISSN 2069-6727 (print ISSN 1454-7414) (**CABI , Index Copernicus, Genamics, CNCSIS B+)**) <http://dx.doi.org/10.5281/zenodo.19141>
39. Ghiurcă, A.A., Lămășanu, A., **Mihai, F.C.**, (2012) The anthropogenic influence on Cujești River water quality, *Scientific Papers. Agronomy Series* vol. 55 (2) : 331-335 , electronic ISSN 2069-6727 (print ISSN 1454-7414) (**CABI, Index Copernicus, Genamics, CNCSIS B+)** <http://dx.doi.org/10.5281/zenodo.19139>
40. Ghiurcă A.A, Lămășanu A, **Mihai, F.C.**, (2012) *Environmental education in rural areas - a real support for sustainable development*, *Lucrări Științifice Seria Horticultura*,vol.55 (2), pp.117-122, (Print) ISSN 1454-7376,(Online)=ISSN 2069-8275 (**CAB International, CNCSIS B+)** <http://dx.doi.org/10.5281/zenodo.19138>
41. Ghiurcă A.A, Lămășanu A, **Mihai F.C.**, (2012) *The Usage Of Natural Fertilizers - A Practice That Favors The Ecological Agriculture Development In Romania*, *Lucrări Științifice Seria Horticultură*,vol.55 (2), pp.437-442, (Print) ISSN 1454-7376,(Online)=ISSN 2069-8275 (**CAB International, CNCSIS B+)** <http://dx.doi.org/10.5281/zenodo.19140>
42. **Mihai, F.C.**, Ghiurcă A., Lămășanu, A.,(2011) *Estimation of urban waste generated and uncollected in Romania*, *Analele Universității Oradea, Fascicula: Protecția Mediului*, 17 (2), pp.719-724 , ISSN 1224-6255 (CAB DIRECT, CNCSIS B+) <http://dx.doi.org/10.5281/zenodo.19124>
43. Apostol,L., **Mihai, F.C.**, (2011) *The process of closing down rural landfills Case study : Neamț county*, *Present Environment and Sustainable Development*, 5 (2) pp. 167- 174, ISSN 1843-5971, (**EBSCO, DOAJ , Index Copernicus, Genamics, Ulrichsweb**) <http://dx.doi.org/10.5281/zenodo.19122>
44. Chelaru, D.A, Ursu,A., **Mihai, F.C.**, 2011, *The analysis of agricultural landscape change using GIS techniques. Case study: Podoleni, Romania*, *Lucrări Științifice Seria Agronomie*, vol.54 (1), pp.73-76,electronic ISSN 2069-6727 (print ISSN 1454-7414) (**CABI, Index Copernicus, Genamics, CNCSIS B+)** <http://dx.doi.org/10.5281/zenodo.19143>
45. Ursu, A., Chelaru, D.A, **Mihai, F.C.**, Iordache,I., (2011), *Anthropogenic landform modeling using GIS techniques case study: Vrancea region*, *Geographia Technica*, 13(1), pp. 91 – 100, ISSN 2065-4421, (SCOPUS,GEOBASE, SJR, EBSCO) <http://dx.doi.org/10.5281/zenodo.19144>
46. **Mihai F.C.**, Lămășanu A., Apostol, L. (2012), *Regional disparities in urban population access to sanitation services*, *Book of Proceedings, 2o International Conference on Human and Social Sciences, ICHSS*, vol. 2, March 23-24, 2012, Tirana, Albania, MCSER Publish., Rome, ISBN 978-2-634982-45-7, pg. 259-265 (**doi: 10.5901/ichss-2012-vol-02**)

47. Lămășanu, A., **Mihai, F.C.**, (2012) The Illegal Dumping of Waste in Forest Areas - Evidence from Rural Territory. In: Horodnic, S.-A., Duduman, M.-L., Palaghianu, C. (eds.): Proceedings of the International Conference Integrated Management of Environmental Resources - Suceava, November 4-6th, 2011. Editura Universității „Stefan cel Mare” Suceava, Romania, 46 – 50. ISBN 978-973-666-388-8 <http://dx.doi.org/10.5281/zenodo.19127>

B. membru in echipa a doua proiecte de cercetare stiintifica cu finantare obtinute prin competitie

a. Director de proiect –*Evaluarea riscurilor de mediu asociate cu practicile necorespunzătoare de gestionare a deșeurilor în localitățile rurale din Regiunea Nord-Est, România* (ian 2018– dec. 2019). **Grant intern GI-UAIC-2017-06** . Valoare proiect : 40 000 lei

b.Responsabil proiect de cercetare doctorala « *Disparitati teritoriale in managementul deseurilor municipale Studiu de caz : Judetul Neamt* » . **Contract POSDRU 107/1.5/S/78342** (oct. 2010 - sept. 2013) Valoare : 79 200 lei

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