

LISTA DE LUCRĂRI
a cadrului didactic DOROBĂȚ LEONARD MAGDALIN

A. Teza de doctorat

Cercetări asupra mediului subteran superficial din sectorul nord-vestic al masivului Leaota (Carpații Meridionali), Universitatea din Pitești, domeniul Biologie, 2016.

B. Cărți și capitole în cărți publicate în perioada 2015 - 2025

B1. Cărți și capitole în cărți de specialitate internaționale ca autor (cu ISBN extern)

1. Soare L. C., Păunescu A., Dobrescu C. M., Neblea M. A., Dorobăț L. M., *Ferns – a valuable plant resource in modern research, In Development of plant extracts and innovative phytosynthesized nanostructures mixtures with phytotherapeutic applications, in order to reduce biocenotic stress in horticultural crops*, Development of plant extracts and innovative phytosynthesized nanostructures mixtures with phytotherapeutic applications, in order to reduce biocenotic stress in horticultural crops, editori Fierascu I., Fierascu R.C., Soare L. C., Ruse Press, ISBN 978-619-91466-2-0, 251, 2021, (TC_4_2021_DSN)

2. Dobrescu C. M., Dorobăț M. L., Neblea M. A., *Health, safety and environmental (HSE) management and risk mitigation of nanomaterials*, In Khan Z. & Șuțan N. A. (Eds.), *Nanof formulations for Sustainable Agriculture and Environmental Risk Mitigation*, CABI Publishing, 177-210., 2023, (TC_8_2023_DSN)

B2. Cărți și capitole în cărți de specialitate naționale ca autor (cu ISBN intern)

1. *Cercetări asupra mediului subteran superficial din sectorul nord-vestic al masivului Leaota (Carpații Meridionali)*, ISBN 978-606-669-322-6 Editura Zigotto, Galați, 2020

B5. Manuale didactice, suport de curs

1. Dorobăț Magdalin Leonard, *Geologie și hidrogeologie, note de curs*, 2018

2. Dorobăț Magdalin Leonard, *Didactica geografiei, note de curs*, 2015

3. Dorobăț Magdalin Leonard, *Geologie generală, note de curs*, 2022

4. Dorobăț Magdalin Leonard, *Geografia mediului, note de curs*, 2019

5. Dorobăț Magdalin Leonard, *Paleobiologie, note de curs*, 2023

B6 Îndrumare de laborator, culegere de probleme

1. Dorobăț Magdalin Leonard, *Geologie și hidrogeologie, fișe de seminar*, 2018

3. Dorobăț Magdalin Leonard, *Poluarea și protecția mediului, fișe de laborator*, 2016

5. Dorobăț Magdalin Leonard, *Geografia mediului, fișe de seminar*, 2022

6. Dorobăț Magdalin Leonard, *Paleobiologie, fișe de laborator*, 2023

7. Dorobăț Magdalin Leonard, *Minerale și roci, caiet pentru lucrări practice*, 2023

C. Lucrări (articole) ISI / BDI publicate în perioada 2015 - 2024

C1. Articole în reviste cotate ISI Thomson Reuters

1. NITZU E., DOROBĂȚ M. L., POPA I., GIURGINCA A. & BABA Ș. *The influence of geological substrate on the faunal structure of the superficial subterranean habitats*, Carpathian Journal of Earth and Environmental Sciences, August 2018, Vol. 13, No. 2, p. 383 - 393, F.I. - 0,730, AIS-0,120; (TC_3_2018_DSN)

C3. Articole în reviste și volumele unor manifestări științifice indexate în alte baze de date internaționale

1. Turtureanu A. G., Dorobăț M. L., *Forest in the light of sustainable development*, Galați, Proceedings of the 8th Edition of the International Conference European Integration. Realities and Perspectives. pp.355-362, (EBSCO, DOAJ, Index Copernicus, vlex, GENAMICS) 2015. (TC_6_2015_DSN)

2. Dorobăț M. L., *Research of ecological factors (relative humidity and temperature) in debris with crystalline epimetamorphic shists in the Leaota Massive (Romania)*, Lozenec, Bulgaria. Proceedings of the Fifth International Conference, 24-28 June 2015, pp. 94-98, 2015. (TC_9_2015_DSN)

3. Dorobăț M. L., Dobrescu C. M., *Study regarding the variation of two abiotic parameters (temperature and relative humidity) in the areas with limestone scree in the Leaota Massive, Oltenia*. Studii și Comunicări. Științele Naturii, Tom. 31, No. 1/2015: 193-198 (TC_9_2015_DSN)
4. Dorobăț M. L., Dobrescu C. M., *Study on the dew point temperature in areas with superficial limestone underground environment (Scree) in the Ghimbav Area Leaota Mountains, 2014*, Current Trends in Natural Sciences Vol. 4, Issue 7: 88-94, 2015 (TC_9_2015_DSN,)
5. Popa I., Dorobăț M. L. , *New records and rare species of Collmbola for the romanian fauna (Leaota Massif, Southern Carpathians)*, Travaux de L” Institute de Speologie “Emile Racovitza”, București, 54(1):41-46, (DOAJ), 2015, (TC_9_2015_DSN)
6. Dorobăț M. L., Udriou B.M., *Study regarding the side erosion processes on the middle reach of Doamnei River and methods of preventing them*, Current Trends in Natural Science, Vol. 4, Nr. 7, pp. 82-87, (SCIPIO, Index Copernicus Journal Master List, DOAJ), 2015 (TC_4_2015_DSN,)
7. Dorobăț M. L., Dobrescu C. M., *Study on the dew point temperature in areas covered by colluvial mesovoid shallow substratum (crystalline schists scree) in the Leaota Mountains, 2014*, Current Trends in Natural Sciences Vol. 4, Issue 8: 110-116, 2015 (TC_9_2015_DSN)
8. Dorobăț M. L., Nae A., Popa I., Dobrescu C. M., *Ecological factors in the colluvial mesovoid shallow substratum, limestone scree, Căpățâna Mountain (Leaota Massif), winter 2014-2015*, Studii și Cercetări, Biologie, Universitatea”Vasile Alecsandri” din Bacău, 25/1:38 – 42, 2016 (TC_7_2016_DSN)
9. Dorobăț L. M., Dobrescu C. M., *Monitoring of ecological factors in the winter of 2014 - 2015 in the colluvial mesovoid shallow substratum from shale in the Leaota Massive.*, Muzeul Olteniei. Oltenia. Studii și comunicări. Științele Naturii. 2016 (TC_7_2016_DSN)
10. Dorobăț L.-M., Dobrescu C. M., *The need to extending the status of protected areas in the Leaota Mountains*, Current Trends in Natural Science, Vol. 5, Nr. 10, 2016 (TC_7_2016_DSN)
11. Dorobăț L.M., Dobrescu C. M., *Anthropic impact in the Western Leaota Mountains.*, Current Trends in Natural Science, Vol. 5, Nr. 10, 2016 (TC_7_2016_DSN)
12. Dorobăț M.L., Nitzu E., Popa I., Giurginca A., Nae A., Baba S., Dobrescu C.M., *Researches regarding the invertebrate fauna in the edaphic environment (limestone lithoclastic soil) in the Rudărței Keys.*, Scientific studies and researches. Series Biology. University of Bacău. 26(2): 67-74., 2017, (TC_3_2017_DSN)
13. Dorobăț M. L., Nițu E., Popa I., Giurginca A., Nae A., Baba Ș., Dobrescu C. M., *Ecofaunistic researches on some taxonomic invertebrate groups of the edaphic fauna (shale lithosol) from Leaota mountains, 2014 -2015.*, Muzeul Olteniei Craiova. Oltenia. Studii și comunicări. Științele Naturii. Tom. 33, No. 2/2017, pp.107-114, 2017 (TC_3_2017_DSN)
14. Dorobăț M. L., Dobrescu C. M., Turtureanu A. G. , *The study of the porosity of the limestones in some of the scree in Leaota Massif.*, Current Trends in Natural Science, Vol. 6, Nr. 12, pp. 214-218., 2017, (TC_4_2017_DSN)
15. Dorobăț M. L., Nae A., Nae I., Dobrescu C. M., *New spiders (araneae) from the mesovoid shallow substratum (MSS) fauna, Leaota Mountains (Romania).*, Scientific studies and researches. Series Biology. University of Bacău. 26(2): 19-23., 2017 (TC_3_2017_DSN)
16. Dorobăț M.L., Nitzu E., Popa I., Giurginca A., Nae A., Baba S., Dobrescu C.M., *Researches regarding the invertebrate fauna in the edaphic environment (limestone lithoclastic soil) in the Rudărței Keys.*, Scientific studies and researches. Series Biology. University of Bacău. 26(2): 67-74., 2017, (TC_3_2017_DSN)
17. Turtureanu A., Dorobăț L. M., Dobrescu C. M., *Effects of some human activities in the water catchment area of Argeș, tributary river of the Danube*. Journal of Danubian Studies and Research. Vol. 7, No. 1/2017, Galați. pp. 122-131., 2017, (TC_3_2017_DSN)
18. Turtureanu A., Dorobăț L. M., Dobrescu C. M., *Consequences of the flow regime changes of some tributary waters of the Danube and the sustainable administration of the water resource.*, Journal of Danubian Studies and Research. Vol. 7, No. 1/2017, Galați. pp.132-143., 2017, (TC_3_2017_DSN)
19. Dorobăț L.-M., Dobrescu C. M., *Comparative study of relative humidity in the shallow subterranean habitats (limestone and shale substratum).*, Muzeul Olteniei Craiova. Oltenia. Studii și comunicări. Științele Naturii. Tom. 33, No. 1/2017, pp.187-192, 2017 (TC_3_2017_DSN)
20. Conete M. D., Dorobăț M. L., *Ecological research on avifauna of reservoirs in the middle of Argeș Valley, the prevernal season.*, Scientific studies and researches. Series Biology. University of Bacău. 6(2): 36-42., 2017, (TC_3_2017_DSN)

21. Dorobăț M. L., Turtureanu A. G., Dobrescu C. M., *Research on the Porosity of the Mesometamorphic Crystalline Schist in Some Scree in Leaota Mountains*, Current Trends in Natural Sciences Vol. 7, Issue 13, pp. 170-175, 2018 (TC_4_2018_DSN)
22. Turtureanu A., Dorobăț L. M., Dobrescu C. M., *The Conservation of Romania's Biodiversity, a Fundamental Condition for the Sustainable Development*, Journal of Danubian Studies and Research. Vol. 8, No. 1/2018, Galați, 2018 (TC_4_2018_DSN)
23. Turtureanu A., Dobrescu C. M., Dorobăț L. M., *The Economic Quantification of the Ecologic Services of Forest Ecosystems*, Journal of Danubian Studies and Research. Vol. 8, No. 1/2018, Galați, 2018 (TC_4_2018_DSN)
24. Dorobăț M. L., Baltă M. M., Dobrescu C. M., *Comparative Study of Some Geomechanical Properties of the Limestones and Shists in the Scree of Leaota Massif (Southern Carpathians, Romania)*, Current Trends in Natural Sciences, 7(14), 12-21., 2018 (TC_4_2018_DSN)
25. Dorobăț M. L., Dobrescu C. M., *The Mineralogical Analysis of the Limestone in the North-Western Area of Leaota Massif Southern Carpathians, Romania*, Current Trends in Natural Sciences, 8(15), 162-168, 2019 (TC_5_2019_DSN)
26. Dorobăț M. L., Dobrescu C. M., *Mineralogical Study of the Crystalline Schists of Leaota Masiff, Southern Carpathians, Romania*, Current Trends in Natural Sciences, 8(16), 181-189, 2019 (TC_3_2019_DSN)
27. Dobrescu C. M., Turtureanu A., Dorobăț L. M., *The Necessity to Expand the Surface of Protected Areas in Romania*, Journal of Danubian Studies and Research, Vol 9, No 2 (2019), pp. 37-47, ISSN: 2284-5224, 2019 (TC_3_2019_DSN)
28. Dorobăț L. M., Turtureanu A., Dobrescu C. M., *Hydro Energy Is Really a "Clean" Energy? Ecological Problems Generated by Hydropower Plants*, Journal of Danubian Studies and Research, Vol 9, No 2 (2019), ISSN: 2392 – 8050, 2019 (TC_3_2019_DSN)
29. Dorobăț M. L., Nitzu E., Popa I., Giurginca A., Nae A., Baba Ș., Dobrescu C. M., *A Systematic Conspectus of the Invertebrate Species Identified in the Scree and Lithosol Areas From the North -Western Sector of the Leaota Mountains (Southern Carpathians), Romania*, "Scientific Studies And Researches. Biology" (SCSB), Number 2, Volume XXVIII, 2020 (TC_3_2017_DSN_DSN)
30. Dorobăț M. L., Dobrescu C. M., *Difficulties, Errors and Correction of them During the Collection of Samples or During the Measuring of Some Ecological Factors (Temperature And Relative Humidity) on the Field*, SCSB, Number 2, Volume XXVIII Code [ID]: SCSB201902V28S01A0015 [0005067], 2019 (TC_5_2019_DSN)
31. Dorobăț M. L., Dobrescu C. M., *Types of Habitats on Limestone and Schist (Metamorphic Crystalline Schists) Geological Substratum in Leaota Mountains, Southern Carpathians (Romania)*, Scientific Study & Research – Biology Print ISSN: 1224-919xel ISSN: 2457-5178; Code: SCSB; Nr 1, Vol. XXVIII, 2019 (TC_1_2019_DSN)
32. Dobrescu C. M., Dorobăț M. L., *Researches on Saxicolous Bryophytes from the North – Western Area of Leaota Mountains*, SCSB, Number 1, Volume XXVIII, SCSB 201901V28S01A0012 [0005037], 2019 (TC_3_2019_DSN)
33. Dorobăț M. L., Dobrescu C. M., *The Variation of Some Main Ecological Factors (Temperature And Relative Humidity) on Limestone Scree Surfaces, Ghimbav Mountain, Southern Carpathians (Romania)*, SCSB, Nr 1, Vol. XXVIII, SCSB 201901V28S01A0017 [0005042], 2019 (TC_1_2019_DSN)
34. Dorobăț L. M., Turtureanu A., Dobrescu C. M., *Some Aspects Regarding the Waste Pollution of Rivers in Romania*, Journal of Danubian Studies and Research Vol. 10 No. 2 (2020) Print ISSN: 2284 – 5224 Online ISSN: 2392 – 8050, 2020 (TC_7_2020_DSN)
35. Dorobăț L. M., Turtureanu A., Dobrescu C. M., *Some Considerations about the Economic Problems Generated by Hypertrophication in the Romanian Shore Area of the Black Sea*, Journal of Danubian Studies and Research Vol. 10 No. 2 (2020) (TC_7_2020_DSN)
36. Turtureanu A., Dobrescu C. M., Dorobăț L. M., *Phytoremediation, a Cheaper and Ecological Alternative in Solving Historical Soil Pollution*, Journal of Danubian Studies and Research, Vol. 11 No. 2, 2021 (TC_13_2021_DSN)
37. Turtureanu A. Chitu F., Cretu C. M., Dorobăț L. M., Dobrescu C. M., *Climate Change and the Way to Sustainable Energy Use*, Acta Universitatis Danubius. (Economica), Vol. 17 No. 5, 2021 (TC_13_2021_DSN)

38. Dorobăț M. L., Turtureanu A., Dobrescu C. M., *Extending the Use of Coal Beyond 2030, A Compromise Solution in the Case of Romania, to Ensure Energy Security*, Journal of Danubian Studies and Research (Print ISSN: 2284 – 5224; Online ISSN: 2392 – 8050), 2022 (TC_7_2022_DSN)
39. Dobrescu C. M., Turtureanu A., Dorobăț M. L., *Some Aspects of the Impact of Invasive Plants in Romania*, Journal of Danubian Studies and Research (Print ISSN: 2284 – 5224; Online ISSN: 2392 – 8050), 2022, (TC_8_2022_DSN)
40. Dobrescu C. M., Turtureanu A., Dorobăț L. M., *Algae as biological indicators of water pollution*, Journal of Danubian Studies and Research, Vol 13, issue no. 1, 2023, (TC_15_2023_DSN)
41. Dobrescu C. M., Turtureanu A., Dorobăț L. M., *Use of Plant Species as Pioneers of Colonization in Degraded or Polluted Lands in Romania*, Journal of Danubian Studies and Research, Vol 13, issue no. 1, 2023, (TC_10_2023_DSN)
42. Iancu (Greceanu) I.M., Tănase H.I., Dobrescu C.M., Dorobăț M.L., 2023. *The mechanism and biochemistry in oxidative stress a brief overview*. Current Trends in Natural Sciences, 12(24), 84-96. <https://doi.org/10.47068/ctns.2023.v12i24.009> (TC_4_2023_DSN)
43. Dorobăț, L.M., Turtureanu, A., Dobrescu, C. M., *The Serious Consequences of the Implementation of EU Policies regarding Biofuels*. Journal of Danubian Studies and Research, 14(1), 65–73, 2024 (TC_7_2024_DSN)
44. Dobrescu C. M., Turtureanu A., Popa I., Dorobăț, L. M., *Some Negative Implications of Tourism on the Environment*. Journal of Danubian Studies and Research, 14(1), 93–101, 2024 (TC_7_2024_DSN)
45. Tănase, H. I., Dobrescu, C., Turtureanu, A. G., Soare, L. C., Dorobăț, M. L., Hangan, L. T., Bucur, L. A. (2024). *Global Scientific Collaboration in Elaeagnus angustifolia L. Research: An Analysis of Publication Patterns And Key Themes*. Current Trends in Natural Sciences, 13(26), 45-63.
46. Horia Ionuț Tănase, Codruța Mihaela Dobrescu, Anca Gabriela Turtureanu, Magdalin Leonard Dorobăț, Laurențiu-Tony Hangan, Laura Adriana Bucur, *Elaeagnus angustifolia L. in contemporary science: findings from a scientometric analysis*, 5th International Congress on Khazar Scientific Research and Innovation, December 26-28, 2024, Turkestan, Kazakhstan, Full Texts Book Volume-1, ISBN - 978-625-378-092-0, 2024.
47. Dorobăț Magdalin Leonard, Turtureanu Anca Gabriela, Dobrescu Codruța Mihaela, Popa Ionuț, *Research on some abiotic ecological factors in the area of the mountains course of the Vâlsan River, Făgăras Mountain, Romania*, 5th International Congress on Khazar Scientific Research and Innovation, December 26-28, 2024, Turkestan, Kazakhstan, full texts book ,volume-1, ISBN - 978-625-378-092-0, 2024.
48. Tănase, H. I., Dobrescu, C. M., Dănilă, M., Dorobăț, M. L., Hangan, L. T., Bucur, L.A. 2025. *Research on the Carotenoid Content (Beta-Carotene and Lycopene) in the Fruits of Elaeagnus angustifolia L.* Current Trends in Natural Sciences, 14(27), 15-27.
49. Dobrescu, C. M., Turtureanu, A., Popa, I., & Dorobăț, M. L. D. 2025. *The Need to Standardize the Criteria for Classifying Protected Areas within the EU*. Journal of Danubian Studies and Research, 15(2), 57-66.
50. Dorobăț, M. L. D., Turtureanu, A., Popa, I., & Dobrescu, C. M. 2025. *Radon Pollution in Romania—A Serious and Insufficiently Known Problem*. Journal of Danubian Studies and Research, 15(2), 45-56.

F. Granturi / proiecte de cercetare în perioada 2015 - 2024

F2. Granturi / proiecte câștigate prin competiție națională

1. DOROBĂȚ LEONARD MAGDALIN, SOARE LILIANA CRISTINA, MAZARE ALIN GHEORGHITA, IONESCU LAURENTIU MIHAI, BIZON NICU, LITA IOAN, SERBAN GHEORGHE, OPROESCU MIHAI, ANGHELESCU PETRE, VISAN DANIEL ALEXANDRU, BELU NADIA, ANGHEL DANIEL CONSTANTIN, TOPALA CARMEN MIHAEL, *PN-III-P1-1.2-PCCDI-2017-0332 "Creșterea capacității instituționale de cercetare bioeconomică pentru exploatarea inovatoare a resurselor vegetale autohtone, în vederea obținerii de produse horticoale cu valoare adăugată ridicată"* – *BIOHORTINOV* /, Cod: PN-III-P1-1.2-PCCDI-2017, beneficiar: UPIT, anul: 2018, domeniul științific: Bioeconomie, valoare: 1533000.00, 2018, (TC_13_2018_DSN)

Data: 29 ianuarie 2026

**Cadrul didactic DOROBĂȚ Magdalin-Leonard
Semnătura**