

LISTA LUCRĂRI ȘTIINȚIFICE

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I. PUBLICAȚII ISI

1. Drăghici GA, Dehelean CA, Pinzaru I, Bordean DM, Borozan A, Tsatsakis AM, et al. Soil copper uptake by land snails: A semi-field experiment with juvenile *Cantareus aspersus* snails. *Environmental Toxicology and Pharmacology*. 2019;72:103243. DOI: 10.1016/j.etap.2019.103243.
2. Georgescu M, Drăghici GA, Oancea EF, Dehelean CA, Șoica C, Vlăduț NV, Nica DV. Effects of Cadmium Sulfate on the Brown Garden Snail *Cornu aspersum*: Implications for DNA Methylation. *Toxics*. 2021;9(11):306. DOI: 10.3390/toxics9110306. FI: 4.146.
3. Draghici GA, Dehelean CA, Moaca AE, Moise ML, Pinzaru I, Vladut VN, Banatean-Dunea I, Nica D. Cadmium nitrate and DNA methylation in gastropods: comparison between ovotestis and hepatopancreas. *PeerJ*. 2023;11:e15032. DOI: 10.7717/peerj.15032.
4. Manea D, Ienciu AA, Ștef R, Peț I, Șmuleac L, Grozea I, Cărăbeș A, Drăghici GA, Nica DV. The “Sandwich” System: A Potential Solution for Protecting Overwintering *Cornu aspersum* Snails Reared in Semi-Intensive Heliciculture Farms in Colder Climates. *Animals*. 2021;11(5):1420. DOI: 10.3390/ani11051420. FI: 2.752.
5. Luca MM, Popa M, Watz CG, Pinzaru I, Draghici GA, Mihali CV, et al. Space Maintainers Used in Pediatric Dentistry: An Insight of Their Biosecurity Profile by Applying In Vitro Methods. *Materials*. 2021;14(20):6215. DOI: 10.3390/ma14206215. FI: 3.623.
6. Kazakova O, Mioc A, Smirnova I, Draghici GA, Baikova I, Voicu A, Vlaia L, et al. Novel Synthesized N-Ethyl-Piperazinyl-Amides of C2-Substituted Oleanonic and Ursolic Acids Exhibit Cytotoxic Effects through Apoptotic Cell Death Regulation. *International Journal of Molecular Sciences*. 2021;22(20):10967. DOI: 10.3390/ijms222010967. FI: 5.924.
7. Kazakova O, Șoica C, Babaev M, Petrova A, Khusnutdinova E, Draghici GA, Poptsov A, et al. 3-Pyridinylidene Derivatives of Chemically Modified Lupane and Ursane Triterpenes as Promising Anticancer Agents by Targeting Apoptosis. *International Journal of Molecular Sciences*. 2021;22(19):10695. DOI: 10.3390/ijms221910695. FI: 5.924.
8. Watz CG, Moacă EA, Vlaia L, Marcovici I, Macașoi IG, Borcan F, Draghici GA, Dehelean CA. Oleogel Formulations for the Topical Delivery of Betulin and Lupeol in Skin Injuries—Preparation, Physicochemical Characterization, and Pharmacotoxicological Evaluation. *Molecules*. 2021;26(14):4174. DOI: 10.3390/molecules26144174. FI: 4.412.
9. Simu S, Marcovici I, Dobrescu A, Mălita D, Dehelean CA, Coricovac D, Draghici GA, Navolan D. Insights into the Behavior of Triple-Negative MDA-MB-231 Breast

- Carcinoma Cells Following the Treatment with 17 β -Ethinylestradiol and Levonorgestrel. *Molecules*. 2021;26(9):2776. DOI: 10.3390/molecules26092776. FI: 4.412.
10. Coricovac D, Dehelean CA, Pinzaru I, Mioc A, Aburel OM, Macașoi I, Drăghici GA, Muntean MD. Assessment of Betulinic Acid Cytotoxicity and Mitochondrial Metabolism Impairment in a Human Melanoma Cell Line. *International Journal of Molecular Sciences*. 2021;22(9):4870. DOI: 10.3390/ijms22094870. FI: 5.924.
 11. Fabricky M, Gabor AG, Milutinovici RA, Watz CG, Avram Ș, Drăghici G, et al. Scaffold-Type Structure Dental Ceramics with Different Compositions Evaluated through Physicochemical Characteristics and Biosecurity Profiles. *Materials*. 2021;14(9):2266. DOI: 10.3390/ma14092266. FI: 3.623.
 12. Iftode A, Drăghici GA, Macașoi I, Marcovici I, Coricovac DE, Dragoi R, et al. Exposure to Cadmium and Copper Triggers Cytotoxic Effects and Epigenetic Changes in Human Colorectal Carcinoma HT-29 Cells. *Experimental and Therapeutic Medicine*. 2021;21(1):100. DOI: 10.3892/etm.2020.9532. FI: 2.447.
 13. Chioibaș R, Susan R, Susan M, Mederle O, Văduva DB, Rădulescu M, Drăghici GA, Marti D. Antimicrobial Activity Exerted by Total Extracts of Germander. *Revista de Chimie*. 2019;70(9):3242-3244. DOI: 10.37358/RC.19.9.7526. FI: 1.775.
 14. Drăghici GA, Dehelean CA, Pinzaru I, Bordean DM, Pop G, Nica D. An 112-Days Experiment on Dietary Cadmium Retention in Hepatopancreas in Adult *Cantareus aspersus* Snails. *Revista de Chimie*. 2019;70(8):2803-2804.
 15. Moacă EA, Farcaș C, Coricovac D, Avram S, Mihali CV, Drăghici GA, et al. Oleic Acid Double Coated Fe₃O₄ Nanoparticles as Anti-Melanoma Compounds with a Complex Mechanism of Activity—In Vitro and In Ovo Assessment. *Journal of Biomedical Nanotechnology*. 2019;15(5):893-909. DOI: 10.1166/jbn.2019.2726. FI: 3.25.
 16. Gyori Z, Susan M, Susan R, Iftode A, Trandărescu C, Chevereșan A, Berceanu M, Drăghici G, Bratu T. Melanoma Cell Lines Role in Obtaining New Drug Candidates for Combating the Malignant Pathology of the Cutaneous Organ. *Revista de Chimie*. 2019;70(3). DOI: 10.37358/RC.19.3.7036. FI: 1.775.
 17. Nica DV, Draghici GA, Andrica FM, Popescu S, Coricovac DE, Dehelean CA, et al. Short-Term Effects of Very Low Dose Cadmium Feeding on Copper, Manganese and Iron Homeostasis: A Gastropod Perspective. *Environmental Toxicology and Pharmacology*. 2019;65:9-13. DOI: 10.1016/j.etap.2018.10.005. FI: 3.292.
 18. Nica DV, Popescu C, Draghici GA, Andrica FM, Privistirescu IA, Gergen II, Stöger R. High-Level Dietary Cadmium Exposure Is Associated with Global DNA Hypermethylation in the Gastropod Hepatopancreas. *PLoS ONE*. 2017;12(9):e0184221. DOI: 10.1371/journal.pone.0184221. FI: 2.776.
 19. Nica D, Popescu C, Draghici G, Privistirescu I, Suciu M, Stöger R. Effect of Cadmium on Cytosine Hydroxymethylation in Gastropod Hepatopancreas. *Environmental Science and Pollution Research*. 2017;24(17):15187-15195. DOI: 10.1007/s11356-017-9104-4. FI: 2.96.
 20. Andrica FM, Draghici GA, Șoica C, Pinzaru I, Coricovac D, Cîtu C, Dehelean C. Antioxidant Activity Assessment of Ethanolic Spirulina Extracts. *Revista de Chimie*. 2016;67(2):289-290. FI: 1.232.
 21. Smirnova I, Draghici G, Kazakova O, Vlaia L, Avram Ș, Mioc A, Mioc M, Macașoi I, Dehelean C, Voicu A, Șoica C. Hollongdione arylidene derivatives induce antiproliferative activity against melanoma and breast cancer through pro-apoptotic and

- antiangiogenic mechanisms. *Bioorganic Chemistry*. 2022;119:105535. DOI: 10.1016/j.bioorg.2021.105535.
22. Lazăr DC, Chiriac SD, Drăghici GA, Moacă EA, Faur AC, Avram MF, et al. Gastric Cancer and Microbiota: Exploring the Microbiome's Role in Carcinogenesis and Treatment Strategies. *Life*. 2025;15:999. DOI: 10.3390/life15070999.
23. Muntean FL, Olariu I, Marian D, Olariu T, Petrescu EL, Olariu T, Drăghici GA. Hydroxyapatite from Mollusk Shells: Characteristics, Production, and Potential Applications in Dentistry. *Dentistry Journal*. 2024;12:409. DOI: 10.3390/dj12120409.
24. Ciurariu E, Bălțeanu MA, Georgescu M, Drăghici GA, Vlăsceanu SG, Șerb AF, Cioboată R. Left vs. Right Bundle Branch Block in COVID-19 Patients: Distinct Clinical Presentations and Prognostic Implications. *Journal of Clinical Medicine*. 2025;14:2310. DOI: 10.3390/jcm14072310.
25. Susan M, Cristea AM, Drăghici GA, Nica DV, Florescu S, Damian CG. Patterns of Meniscal Injuries in Adults Aged 35 and Older: A Retrospective Analysis of Surgical Cases. *Medicina*. 2025;61:643. DOI: 10.3390/medicina61040643.
26. Haidar L, Bălțeanu MA, Georgescu M, Drăghici GA, Laza EA, Șerb AF, Cioboată R. Smoking and Health Profiles of Hypertensive Patients with COVID-19: An Exploratory Study of Key Physiological Markers. *Journal of Clinical Medicine*. 2024;13:7245. DOI: 10.3390/jcm13237245.
27. Mederle AL, Semenescu A, Drăghici GA, Dehelean CA, Vlăduț NV, Nica DV. Sodium Butyrate: A Multifaceted Modulator in Colorectal Cancer Therapy. *Medicina*. 2025;61:136. DOI: 10.3390/medicina61010136.
28. Florescu S, Bliidișel IA, Drăghici GA, Nica DV, Boru C, Damian CG. Histological and Immunohistochemical Characterization of the Tibial ACL Remnant: Implications for Ligament Healing. *Medicina*. 2026.
29. Zaharia C, Kis AM, Drăghici GA, Nica DV, Dinu S, Olariu I. In Vitro Efficacy of Ultrasonic Debridement with Adjunctive St. John's Wort on Multispecies Dental Biofilms. *Medicina*. 2026.
30. Florescu S, Zaharia C, Drăghici GA, Nica DV, Damian CG. The Impact of Aging on Meniscal Tears and Chondral Lesions in Men: Insights from First-Time Arthroscopic Knee Evaluation. *Life*. 2025;15:1305. DOI: 10.3390/life15081305.
31. Fabricky MMC, Gabor AG, Milutinovici RA, Watz CG, Avram Ș, Drăghici G, Mihali CV, Moacă EA, Dehelean CA, Galuscan A, et al. Scaffold-Type Structure Dental Ceramics with Different Compositions Evaluated through Physicochemical Characteristics and Biosecurity Profiles. *Materials*. 2021;14(9):2266. DOI: 10.3390/ma14092266. FI: 3.623.
32. Simu S, Marcovici I, Dobrescu A, Mălița D, Dehelean CA, Coricovac D, Olaru F, Draghici GA, Navolan D. Insights into the Behavior of Triple-Negative MDA-MB-231 Breast Carcinoma Cells Following the Treatment with 17 β -Ethinylestradiol and Levonorgestrel. *Molecules*. 2021;26(9):2776. DOI: 10.3390/molecules26092776. FI: 4.927.
33. Mioc M, Mioc A, Prodea A, Milan A, Balan-Porcarasu M, Racoviceanu R, Ghiulai R, Iovanescu G, Macasoi I, Draghici G, et al. Novel Triterpenic Acid—Benzotriazole Esters Act as Pro-Apoptotic Antimelanoma Agents. *International Journal of Molecular Sciences*. 2022;23(17):9992. DOI: 10.3390/ijms23179992. FI: 6.208.

34. Khaled Z, Ilia G, Watz C, Macasoi I, Drăghici G, Simulescu V, Merghes PE, Varan NI, Dehelean CA, Vlaia L, et al. The Biological Impact of Some Phosphonic and Phosphinic Acid Derivatives on Human Osteosarcoma. *Current Issues in Molecular Biology*. 2024;46:4815–4831. DOI: 10.3390/cimb46050290.
35. Breban-Schwarzkopf D, Chioibaş R, Macasoi I, Bolintineanu S, Marcovici I, Draghici G, Dinu S, Buzatu R, Dehelean C, Szuhaneck C. Comprehensive in vitro and in ovo assessment of cytotoxicity: Unraveling the impact of sodium fluoride, xylitol, and their synergistic associations in dental products. *Biomolecules and Biomedicine*. 2024;24(4):923–938. DOI: 10.17305/bb.2024.10181.
36. Zakzak K, Semenescu AD, Moacă EA, Predescu I, Drăghici G, Vlaia L, Vlaia V, Borcan F, Dehelean CA. Comprehensive Biosafety Profile of Carbomer-Based Hydrogel Formulations Incorporating Phosphorus Derivatives. *Gels*. 2024;10(7):477. DOI: 10.3390/gels10070477.
37. Muntean ED, Lazăr DC, Pah AM, Banciu C, Chiriac SD, Boantă ID, Muntean F, Blidișel IA, Drăghici GA, Jipa R. Synergistic Interactions Between Medicinal Plant Bioactive and Standard Chemotherapy in Gastric Cancer: Preclinical Evidence and Translational Pitfalls. *Biomedicines*. 2026;14:947. DOI: 10.3390/biomedicines14040947.

II. CAPITOL DE CARTE

1. Draghici GA, Dehelean C, Susan R, Berceanu-Văduva D, Nica D. Indoor Hibernation of *Helix aspersa* Juveniles. In: *Invertebrates – Ecophysiology and Management*. IntechOpen; 2020.

III. PUBLICAȚII INDEXATE SCOPUS

1. Gogoasa I, Alda L, Rada M, Negrea P, Negrea A, Bordean DM, Velciov A, Drăghici GA, Gergen I. Goji berries (*Lycium barbarum*) as a source of trace elements in human nutrition. *Journal of Agroalimentary Processes and Technologies*. 2014;20(4):369-372.
2. Pirvulescu L, Bordean DM, Popescu I, Sirbulescu C, Drăghici GA. Profile of mineral compounds from ginger (*Zingiber officinale*). *Lucrări Științifice – Seria I*. 2014;XVI(4):132-135.
3. Draghici GA, Sida L, Borozan AB, Nica D, Alda S, Alda L, Gogoasă I, Gergen I, Bordean D. Mineral content of some Cruciferae species available on the Romanian market. *Journal of Horticulture, Forestry and Biotechnology*. 2013;17(4):49-51.
4. Draghici GA, Lupu MA, Borozan AB, Nica D, Alda S, Alda L, Gogoasă I, Gergen I, Bordean D. Red cabbage, millennium's functional food. *Journal of Horticulture, Forestry and Biotechnology*. 2013;17(4):52-55.

IV. ABSTRACTE PUBLICATE

1. Draghici GA, Nica D, Dehelean C, Susan R, Susan M. DNMT Gene Expression in *Cantareus aspersus* Snails Exposed to Low Cadmium Dose. Naunyn-Schmiedeberg's Archives of Pharmacology. 2020;393(Suppl 1):53-54.
2. Borozan AB, Nica D, Filimon MN, Horablaga M, Popescu R, Horablaga A, Madosa E, Drăghici GA, Bordean D, Cojocariu L. The antimicrobial activity of two species of mint (*Mentha spicata* var. *viridis* and *Mentha smithiana*). Bulletin of Romanian Society for Cell Biology. 2014;42:90.
3. Borozan AB, Cojocariu L, Sandoiu I, Bordean DM, Horablaga M, Draghici GA, Moldovan C. The bacterial component of soil as a result of using annual fodder mixes as green fodder. Proceedings of the 20th International Symposium on Analytical and Environmental Problems. 2014:151-154.
4. Bordean DM, Gergen I, Catargiu A, Borozan AB, Drăghici GA, Pirvulescu L, Ciobanu C, Alda L, Gogoasa I. Chemical fingerprint of some mint teas available on the Romanian market. Proceedings of the 20th International Symposium on Analytical and Environmental Problems. 2014:155-158.