

LISTA DE LUCRĂRI

Conf. dr. habil. Bianca Gălățeanu

I. Articole publicate in reviste ISI (Factor de impact cumulat ~ 240)

A. Articole publicate in reviste ISI ca autor principal

1. Radu, I.C., Teodorescu, M., Damian, C.M., Necolau, M.I., Tanase, E., Stavarache, C., Popescu, R.C., Mustaciosu, C., Hudita, A., Tsatsakis, A., Zaharia, C., **Gălățeanu, B.**, Tunable sericin nanocarriers for controlled drug release and glioblastoma targeting, Results in Engineering, 29: 108569, 2026, 10.1016/j.rineng.2025.108569 (**Q1, AIS = 0.775, IF = 7.9 / 2024**)
2. Ultimeșcu, F., Hudita, A., Popa, D.E., Olinca, M., Mureșean, H.A., Ceausu, M., Stanciu, D.I., Ginghina, O., **Galateanu, B.**, Impact of Molecular Profiling on Therapy Management in Breast Cancer. **Journal of Clinical Medicine**, 2024, 13(17), p.4995 (**Q1, AIS = 0.844, IF = 3 / 2023**)
3. Hudita, A., Standiu, D.I., Serban M.V., **Gălățeanu, B.***, Radu, I.C., Tanasă, E., Zaharia, C., Burcea-Dragomiroiu, G.T.A., Marineci, C.D., Ginghină, O. PDMAEMA/Silk Sericin Hybrid Nanocarriers for Efficient Delivery of 5-fluorouracil and oxaliplatin to human colorectal adenocarcinoma tumor cells. **Farmacia**, 2024, 72(4) (**Q4, AIS = 0.078, IF = 1.4 / 2023**)
4. Gălățeanu, B., Ginghină, O., Hudiță, A., Tudorache, R.S., Zamfir, M.C., Mardare, M., Lambert, C., Bîrligea, M., Diaconu, C., Popp, C., Burcea-Dragomiroiu, G.T.. RFA-Induced Alterations in the Expression of PD-1 and CTLA-4 in the Tumour Microenvironment pCCA: Results from an Exploratory Study. **Farmacia**, 2024, 72(3). (**Q4, AIS = 0.078, IF = 1.4 / 2023**)
5. Radu, I.C., Mirica, A.C.I., Hudita, A., Tanasa, E., Iovu, H., Zaharia, C., **Galateanu, B.** Thermosensitive Behavior Defines the Features of Poly (N-isopropylacrylamide)/Magnetite Nanoparticles for Cancer Management. **Applied Sciences**, 2023, 13(8), p.4870. (**Q1, AIS = 0.428, IF = 2.5 / 2023**)
6. Zamfir, M., Hudiță, A., Mardare, M., Bondoc, I., Văcărașu, A., Tănase, B.C., Burcea-Dragomiroiu, G.T.A., Lițescu, M., Voiosu, T., **Gălățeanu, B.***, Lambert, C.. Optimization of a flow cytometry protocol for PD-1/CTLA-4 immune checkpoints receptors detection in

- colorectal cancer tumour microenvironment. *Farmacia*, **2023**, 71(2), pp.367-374. (Q4, AIS = 0.078, IF = 1.4 / 2023)
7. **Galateanu, B.**, Pușcașu, A.I., Tircol, S.A., Tanase, B.C., Hudita, A., Negrei, C., Burcea-Dragomiroiu, G.T.A., Negreanu, L., Vacaroiu, I.A., Ginghină, O.. Allergy in Cancer Care: Antineoplastic Therapy-Induced Hypersensitivity Reactions. *International journal of molecular sciences*, **2023**, 24(4), p.3886. (Q1, AIS = 1.055, IF = 4.9 / 2023).
 8. L. Buburuzan, M.A. (Irofei) Zamfir, C.M. Ardeleanu, A.H. Mureșan, F. Vasilescu, A. Hudiță, M. Costache, **B. Gălăteanu***, A. Pușcașu, A. Filippi, N. Motaș, *Dual NGS Comparative Analysis of Liquid Biopsy (LB) and Formalin-Fixed Paraffin-Embedded (FFPE) Samples of Non-Small Cell Lung Carcinoma (NSCLC)*, *Cancers*, **2022**, 14(24): 6084 <https://doi.org/10.3390/cancers14246084> (Q1, AIS = 1.099, IF = 5.2 / 2022)
 9. **B. Gălăteanu**, A. Hudiță, E.I. Biru, H. Iovu, C. Zaharia, E. Simsensohn, M. Costache, R.C. Petca, V. Jinga, *Applications of Polymers for Organ-on-Chip Technology in Urology*, *Polymers*, **2022**, 14(9): 1668, <https://doi.org/10.3390/polym14091668>, (Q1, AIS = 0.606, IF = 5 / 2022)
 10. O. Ginghina, A. Hudiță, M. Zamfir, A. Spanu, M. Mardare, I. Bondoc, L. Buburuzan, S.E.Georgescu, M. Costache, C. Negrei, C. Nitipir, **B. Gălăteanu**, *Liquid Biopsy and Artificial Intelligence as Tools to Detect Signatures of Colorectal Malignancies: A Modern Approach in Patient's Stratification*, *Frontiers in Oncology*, **2022**, 12: 856575, <https://doi.org/10.3389/fonc.2022.856575> (Q2, AIS = 1.002, IF = 4.7/ 2022)
 11. I.C. Radu, C. Zaharia, A. Hudiță, E. Tanasa, O. Ginghina, M. Marin, **B. Gălăteanu***, M. Costache, *In Vitro Interaction of Doxorubicin-Loaded Silk Sericin Nanocarriers with MCF-7 Breast Cancer Cells Leads to DNA Damage*, *Polymers*, **13**(13), 2047, **2021**, <https://doi.org/10.3390/polym13132047>, (Q1, AIS = 0.612, IF = 4.967 / 2021)
 12. O. Ginghină, A. Hudiță, C. Zaharia, A.Tsatsakis, Y. Mezhuev, **B. Gălăteanu**, *Current Landscape in Organic Nanosized Materials Advances for Improved Management of Colorectal Cancer Patients*, *Materials*, **14**(9), 2440, **2021**, <https://doi.org/10.3390/ma14092440>, (Q1, AIS = 0.541, IF = 3.748 / 2021)
 13. A. Hudiță, I.C. Radu, C. Zaharia, A.C. Ion, O. Ginghină, **B. Gălăteanu***, L. Măruțescu, F. Grama, A. Tsatsakis, L. Gurevich, M. Costache, *Bio-and Hemo-Compatible Silk Fibroin PEGylated Nanocarriers for 5-Fluorouracil Chemotherapy in Colorectal Cancer: In Vitro*

- Studies, Pharmaceutics*, **13**(5), 755, **2021**, <https://doi.org/10.3390/pharmaceutics13050755> (Q1, AIS = 0.879, IF = 6.525 / 2021)
14. I.C. Radu, A. Hudiță, C. Zaharia, C. Negrei, G.T.A. Burcea-Dragomiroiu, D.E. Popa, M. Costache, H. Iovu, M. Georgescu, O. Ginghină, **B. Gălăteanu**, *Silk fibroin nanoparticles reveal efficient delivery of 5-FU in a HT-29 colorectal adenocarcinoma model in vitro*, **Farmacia**, 1:113-122, **2021**, <https://doi.org/10.31925/farmacia.2021.1.15>, (Q4, AIS = 0.092, IF = 1.550 / 2021)
15. E. Tanasa, C. Zaharia, A. Hudiță, I. C. Radu, M. Costache, **B. Gălăteanu**, *Impact of the magnetic field on 3T3-E1 preosteoblasts inside SMART silk fibroin-based scaffolds decorated with magnetic nanoparticles*, **MSE C**, 110: 110714, **2020**, <https://doi.org/10.1016/j.msec.2020.110714> (Q1, AIS = 0.899, IF = 7.328 / 2020)
16. I.C. Radu, I.E. Biru, C.M. Damian, A.C. Ion, H. Iovu, E. Tanasa, C. Zaharia, **B. Gălăteanu**, *Grafting versus Crosslinking of Silk Fibroin-g-PNIPAM via Tyrosine-NIPAM Bridges*, **Molecules**, **24**(22): 4096, **2019**, <https://doi.org/10.3390/molecules24224096>, (Q2, AIS = 0.599, IF = 3.267 / 2019)
17. O. Ginghina, G.T.A. Burcea Dragomiroiu, **B. Gălăteanu***, A. Hudiță, S. Dragomir, D. Draganescu, A. Balanescu, C.A. Rosca, C. Giuglea, D.E. Popa, *Long-term safety of biosimilar medicinal products – Key for administration?*, **Farmacia**, **1**, **2019**, <https://doi.org/10.31925/farmacia.2019.1.3>, (Q4, AIS = 0.119, IF = 1.607 / 2019)
18. I.C. Radu, A. Hudiță, C. Zaharia, **B. Gălăteanu***, H. Iovu, E. (Vasile) Tanasa, S.G. Nitu, O. Ginghina, C. Negrei, A. Tsatsakis, K. Velonia, M. Costache, *Poly(3-hydroxybutyrate-co-3-hydroxyvalerate) phbhv biocompatible nanoshuttles for the targeted delivery of 5-FU in colorectal cancer*, **DrugDelivery**, **26**(1): 318–327, **2019**, <https://doi.org/10.1080/10717544.2019.1582729>, (Q1, AIS = 0.719, IF = 4.902 / 2019)
19. A. Hudiță, V. Ioana-Lavric, A. Zamfir, L. Buburuzan, O. Ginghina, C. Negrei, G. Burcea, M. Costache, C. Ardeleanu, E. Radu, M. Barca, **B. Gălăteanu**, *Optimization of a flow cytometry method for the approach of liquid biopsy as a therapy modulation tool in patients with colorectal cancer*, **Farmacia**, **5**, **2018**, <https://doi.org/10.31925/farmacia.2018.5.16>, (Q4, AIS = 0.094, IF = 1.527 / 2018)

20. **B. Gălățeanu**, I.C. Radu, E. Vasile, A. Hudiță, M.V. Serban, M. Costache, H. Iovu, C. Zaharia, *Fabrication of Novel Silk Fibroin - LDHs Composite Architectures for Potential Bone Tissue Engineering*, **Materiale Plastice**, 54(4): 659-665, 2017, (AIS = 0.066, IF = 1.248 / 2017)
21. I.C. Radu, A. Hudiță, C. Zaharia, P.O. Stanescu, E. Vasile, H. Iovu, M. Stan, O. Ginghina, **B. Gălățeanu***, M. Costache, P. Langguth, A. Tsatsakis, K. Velonia, C. Negrei, *Poly(HydroxyButyrate-co-HydroxyValerate) (PHBHV) Nanocarriers for Silymarin Release as Adjuvant Therapy in Colo-rectal Cancer*, **Frontiers in Pharmacology**, 8:508, 2017, [https://doi: 10.3389/fphar.2017.00508](https://doi.org/10.3389/fphar.2017.00508), (Q1, AIS = 1.151, IF = 3.831 / 2017)
22. C. Negrei, **B. Gălățeanu***, M. Stan, C. Balalau, M.L.B. Dumitr, E. Ozcagli, C. Fenga, L. Kovatsi, D. Fragou, A. Tsatsakis, *Worldwide legislative challenges related to psychoactive drugs*, **DARU Journal of Pharmaceutical Sciences**, 25:14, 2017, [https://doi:10.1186/s40199-017-0180-2](https://doi.org/10.1186/s40199-017-0180-2), (AIS = 0.452, IF = 2.667 / 2017)
23. **B. Gălățeanu**, F. Golgovici, A. Hudiță, M. Stan, S. Dinescu, M. Costache, I. Demetrescu and A. Popescu, *About electrochemical stability and biocompatibility of two types of CoCr commercial dental alloys*, **Materials and Corrosion**, 2016, [https://doi: 10.1002/maco.201508753](https://doi.org/10.1002/maco.201508753), (AIS = 0.279, IF = 1.260 / 2016)
24. C. Negrei, A. Hudiță, O. Ginghina, **B. Gălățeanu***, S.N. Voicu, M. Stan, M. Costache, C. Fenga, N. Drakoulis, A.M. Tsatsakis, *Colon Cancer Cells Gene Expression Signature as Response to 5-Fluorouracil, Oxaliplatin and Folinic Acid Treatment*, **Frontiers in Pharmacology**, 7:172, 2016, [https://doi: 10.3389/fphar.2016.00172](https://doi.org/10.3389/fphar.2016.00172), (Q1, AIS = 1.240, IF = 4.4 / 2016)
25. **B. Gălățeanu**, A. Hudiță, C. Negrei, R.M. Ion, M. Costache, M. Stan, D. Nikitovic, A.W. Hayes, D.A. Spandidos, A.M. Tsatsakis, O. Ginghina, *Impact of multicellular tumor spheroids as an in vivo-like tumor model on anticancer drug response*, **International Journal of Oncology**, 2016, [https://doi: 10.3892/ijo.2016.3467](https://doi.org/10.3892/ijo.2016.3467), (Q2, AIS = 0.640, IF = 3.079 / 2016)
26. **B. Gălățeanu**, M. C. Bunea, P. Stanescu, E. Vasile, A. Casarica, H. Iovu, A. Hermenean, C. Zaharia and M. Costache, *In Vitro Studies of Bacterial Cellulose and Magnetic Nanoparticles Smart Nanocomposites for Efficient Chronic Wounds Healing*, **Stem Cells International**, Volume 2015, Article ID 195096, 10 pages, 2015, [https://doi: 10.1155/2015/195096](https://doi.org/10.1155/2015/195096), (AIS = 0.792, IF = 3.687 / 2015)
27. **B. Gălățeanu**, S. Dinescu, E. Radu, A. Hermenean, A. Lungu, I.C. Stancu, D. Jianu, T. Tumber, M. Costache, *A 3D porous gelatin-alginate-based-IPNs acts as an efficient promoter*

- of chondrogenesis from human adipose-derived stem cells*, **Stem Cells International**, Volume 2015, Article ID 252909, 17 pages, **2015**, [https://doi: 10.1155/2015/252909](https://doi.org/10.1155/2015/252909) (AIS = **0.792**, IF = **3.687 / 2015**)
28. **B. Gălăteanu**, S. Dinescu, A. Lungu, E. Radu, S. Nae, H. Iovu, M. Costache, *Perilipin Expression Reveals Adipogenic Potential of hADSCs inside Superporous Polymeric Cellular Delivery Systems*, **BioMed Research International** (Journal of Biomedicine and Biotechnology), **2014**, [https://doi: 10.1155/2014/830791](https://doi.org/10.1155/2014/830791), (AIS = **0.367**, IF = **1.57 / 2014**)
29. **B. Gălăteanu**, S. Dinescu, M. Albu, A. Cimpean, A. Dinischiotu, M. Costache, *Sericin Enhances the Bioperformance of Collagen-Based Matrices Preseeded with Human-Adipose Derived Stem Cells (hADSCs)*, **IJMS**, **14**:1870-1889, **2013**, [https://doi: 10.3390/ijms14011870](https://doi.org/10.3390/ijms14011870), (AIS = **0.637**, IF = **2.339 / 2013**)
30. **B. Gălăteanu**, S. Dinescu, A. Cimpean, A. Dinischiotu, M. Costache, *Modulation of Adipogenic Conditions for Prospective Use of hADSCs in Adipose Tissue Engineering*, **IJMS**, **13**:15881-15900, **2012**, [https://doi: 10.3390/ijms131215881](https://doi.org/10.3390/ijms131215881) (AIS = **0.666**, IF = **2.646 / 2012**)

B. Articole publicate in reviste ISI ca si co-autor

1. Birca, A.C., Burdusel, A.C., Niculescu, A.G., Curuțiu C., Holban, A., Grumezescu, A.M., Hudița, A., **Gălăteanu, B.**, Gaspar, B.S., Najm, A., Sustainable ZnO/Zn₃(PO₄)₂ Nanoparticles Synthesized from Coconut-Derived Media Incorporated into Bioactive ALG/PVA Hydrogel Dressings, *Gels*, **12**(3): 243, 2026, [10.3390/gels12030243](https://doi.org/10.3390/gels12030243) (**Q1**, AIS = **0.678**, IF = **5.3 / 2024**)
2. Zamfir, M., Vacarasu, A., Mardare, M., Bondoc, I., Pușcașu, A., Antoniu, T., Ultimeșcu, F., Grama, F., Serbanescu, L., Papuc, G., Iordache, N., Maciuceanu-Zarnescu, M.B., Nastasescu, T.I., Stanciu, D.I., Hudița, A., **Gălăteanu, B.**, Ginghină, O., LYMPH NODE YIELD IN COLORECTAL CANCER: BEYOND THE "RULE OF 12", *Farmacia*, **74**(1):70-77, 2026, [10.31925/farmacia.2026.1.7](https://doi.org/10.31925/farmacia.2026.1.7) (**Q4**, AIS = **0.094**, IF = **1.3 / 2024**)
3. Ultimeșcu, F., Ardeleanu, C., Ginghină, O., Mardare, M., Zamfir, M., Puscasu, A.I., Bondoc, I., Vacarasu, A., Antoniu, T., Hudita, A., **Galateanu, B.**, Gales, L., Serban, E., Liscu, H.D., Ionescu, A.I., Ceausu, M., Olinca M.V., From Static to Dynamic: Adaptive Molecular Subtyping in Treated Breast Cancers-Evidence from Single-Center Retrospective Cohort Study, *Cancers*, **18**(4): 657, 2026, [10.3390/cancers18040657](https://doi.org/10.3390/cancers18040657) (**Q2**, AIS = **1.185**, IF = **4.4 / 2024**)

4. Chindea, T., Nicu, A.T., Cimponeriu, D.G., **Gălăteanu, B.**, Hudiță, A., Serban, M.V., Nica, R.I., Burlibasa, L., Diet-Driven Epigenetic Alterations in Colorectal Cancer: From DNA Methylation and microRNA Expression to Liquid Biopsy Readouts, *biomedicines*, 14(2): 267, 2026, 10.3390/biomedicines14020267 (**Q2, AIS = 0.891, IF = 3.9 / 2024**)
5. Coanda, M., Graghici, C., Pintilie, L., Kapronczai, E.E., Chirita, C., Marinas, I.C., Ancuceanu, R.V., Zarafu, I., Ionita, P., Crăciun, D.I., Hudiță, A., **Gălăteanu, B.**, Limbn, C., Nuță, D., Design, Synthesis, and Biological Evaluation of *N*-Acyl-Hydrazone-Linked Quinazolinone Derivatives with Antioxidant, Antimicrobial, and Anticancer Potential, *Pharmaceuticals*, 19(1): 57, 2025, 10.3390/ph19010057 (**Q2, AIS = 0.873, IF = 4.8 / 2024**)
6. Zamfir, M., Pușcașu, A., Hudiță, A., **Gălăteanu, B.**, Buburuzan, L., Irofei, A., Busuioc, C., Mardare, M., Filippi, A., Burcea-Dragomiroiu, G.T.A., Tanase, M., Grama, F., Iordache, F., Ginghină, O., Tanase, B.T., COMPLEMENTING NGS TISSUE BIOPSY WITH PLASMA DERIVED cfDNA ANALYSIS AS A LIQUID BIOPSY FOR REAL-TIME THERAPY MODULATION IN COLORECTAL CANCER PATIENTS, *Farmacia*, 73(4):963-970, 2025, 10.31925/farmacia.2025.4.16 (**Q4, AIS = 0.094, IF = 1.3 / 2024**)
7. Hudita, A., Grumezescu, V., Irimiciuc, S.A., Gherasim, O., Chertopalov, S., **Gălăteanu, B.**, Stanciu, D.I., Vasile, B.S., Grumezescu, A.M., Hemocompatible hydroxyapatite-CMC pulsed laser deposited coatings with biomineralization potential for implantable metallic surfaces, *Materials Today Chemistry*, 48: 103005, 2025, 10.1016/j.mtchem.2025.103005 (**Q1, AIS = 1.005, IF = 6.7 / 2024**)
8. Najim, A., Birca, A.C., Niculescu, A.G., Alberts, A., Grumezescu, A.M., **Gălăteanu, B.**, Beuran, M., Gaspar, B.S., Turculet, C.S., Hudita, A., A Liposomal Strategy for Dual-Action Therapy in Sarcopenia: Co-Delivery of Caffeine and HAMA, *IJMS*, 26(13): 6031, 2025, 10.3390/ijms26125594 (**Q2, AIS = 1.122, IF = 4.9 / 2024**)
9. Măruțescu, L., Enea, A., Antoniadis, N.M., Neculae, M., Costea, D.A., Popa, M., Dragu, E., Codrici, E., Ristoiu, V., **Gălăteanu, B.**, Hudiță, A., Rircalabioru, G.G., Filali-Mouhim, A., Bertesteanu, S.V.G., Lazăr, V., Chifiriuc, C., Grigore, R., Ancuta, P., Humoral and Cellular Immune Responses to SARS-CoV-2 in Participants with Head and Neck Cancer, *Viruses-Basel*, 17(6): 848, 2025, 10.3390/v17060848 (**Q2, AIS = 0.896, IF = 3.5 / 2024**)
10. Najim, A., Birca, A.C., Niculescu, A.G., Alberts, A., Grumezescu, A.M., **Gălăteanu, B.**, Vasile, B.S., Beuran, M., Gaspar, B.S., Turculet, C.S., Hudita, A., DMPC-Based Liposomal Vesicles for

- Encapsulation and Controlled Release of NMN and Matrigel in Sarcopenia Therapy, *IJMS*, 26(12): 5594, 2025, 10.3390/ijms26125594 (Q2, AIS = 1.122, IF = 4.9 / 2024)
11. Najim, A., Birca, A.C., Niculescu, A.G., Alberts, A., Grumezescu, A.M., **Gălăteanu, B.**, Vasile, B.S., Beuran, M., Gaspar, B.S., Hudita, A., Dipalmitoylphosphatidylcholine Lipid Vesicles for Delivering HMB, NMN, and L-Leucine in Sarcopenia Therapy, *Molecules*, 30(7): 1437, 2025, 10.3390/molecules30071437 (Q2, AIS = 0.742, IF = 4.6 / 2024)
 12. Filippi, A., Deculescu-Ioniță, T., Hudiță, A., Baldasici, O., **Gălăteanu, B.**, Mocanu, M.M., Molecular Mechanisms of Dietary Compounds in Cancer Stem Cells from Solid Tumors: Insights into Colorectal, Breast, and Prostate Cancer, *International Journal of Molecular Sciences*, 26(2): 631, 2025, <https://doi.org/10.3390/ijms26020631> (Q2, AIS = 1.055, IF = 4.9 / 2023)
 13. Grumezescu, V., Gherasim, O., **Gălăteanu, B.**, Hudiță, A., 2024. Antitumoral-Embedded Biopolymeric Spheres for Implantable Devices. *Pharmaceutics*, 16(6), p.754. (Q1, AIS = 0.798, IF = 4.9 / 2023).
 14. Coanda, M., Limban, C., Draghici, C., Ciobanu, A.M., Grigore, G.A., Popa, M., Stan, M., Larion, C., Avram, S., Mares, C., Ciornei, M.C., Dabu, A., Hudiță, A., **Gălăteanu, B.**, Pintilie, L., Nuță, D.C.. Current Perspectives on Biological Screening of Newly Synthesised Sulfanilamide Schiff Bases as Promising Antibacterial and Antibiofilm Agents. *Pharmaceutics*, 2024, 17(4), p.405. (Q1, AIS = 0.800, IF = 4.3 / 2023).
 15. Piciu, F., Domocos, D., Chiritoiu, G., Chiritoiu-Butnaru, M., Mernea, M., Popescu, C.G., Mihai, D.P., **Gălăteanu, B.**, Hudita, A., Babes, A., Cucu, D.. Transient Receptor Potential Ankyrin 1 (TRPA1) Modulation by 4-Hydroxynonenal (4-HNE) in Pancreatic Adenocarcinoma Cell Lines: Putative Roles for Therapies. *Pharmaceutics*, 2024, 17(3), p.344. (Q1, AIS = 0.800, IF = 4.3 / 2023).
 16. Constantinescu, S., Niculescu, A.G., Hudiță, A., Grumezescu, V., Rădulescu, D., Bîrcă, A.C., Dorcioman, G., Gherasim, O., Holban, A.M., **Gălăteanu, B.**, Vasile, B.Ș.. Nanostructured Coatings Based on Graphene Oxide for the Management of Periprosthetic Infections. *International Journal of Molecular Sciences*, 2024, 25(4), p.2389. (Q1, AIS = 1.055, IF = 4.9 / 2023).
 17. Ardeleanu, C.M., Olinca, M.V., Vișoreanu, C.G., Mureșan, H.A., Tecuceanu-Vulpe, A., Manole, G., Gune, I.E., **Gălăteanu, B.**, Ilie-Petrov, A.C., Ultimeșcu, F.. NGS mutational status on first diagnostic tissue, liquid biopsy and mastectomy in G2–G3 breast cancer. *Romanian Journal of Morphology and Embryology*, 2024, 65(2), p.195. (Q4, AIS = 0.237, IF = 1.2/2023).

18. Constantinescu, S., Niculescu, A.G., Hudiță, A., Grumezescu, V., Rădulescu, D., Bîrcă, A.C., Irimiciuc, S.A., Gherasim, O., Holban, A.M., **Gălățeanu, B.**, Oprea, O.C.. Silver/Graphene Oxide Nanostructured Coatings for Modulating the Microbial Susceptibility of Fixation Devices Used in Knee Surgery. **International Journal of Molecular Sciences**, **2023**, 25(1), p.246. (Q1, AIS = 1.055, IF = 4.9 / 2023).
19. Puiu, R.A., Bîrcă, A.C., Grumezescu, V., Duta, L., Oprea, O.C., Holban, A.M., Hudiță, A., **Gălățeanu, B.**, Balaure, P.C., Grumezescu, A.M., Andronescu, E.. Multifunctional Polymeric Biodegradable and Biocompatible Coatings Based on Silver Nanoparticles: A Comparative In Vitro Study on Their Cytotoxicity towards Cancer and Normal Cell Lines of Cytostatic Drugs versus Essential-Oil-Loaded Nanoparticles and on Their Antimicrobial and Antibiofilm Activities. **Pharmaceutics**, **2023**, 15(7), p.1882. (Q1, AIS = 0.798, IF = 4.9 / 2023).
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II. Articole in reviste BDI

A. Articole publicate ca autor principal

1. **B. Gălățeanu**, S. Dinescu, M. Albu, A. Lungu, E. Radu, A. Hermenean, M. Costache, *Biocompatibility Assessment of Novel Collagen-Sericin Scaffolds Improved with Hyaluronic Acid and Chondroitin Sulfate for Cartilage Regeneration*, **BioMed Research International (Journal of Biomedicine and Biotechnology)**, **2013**, [https://doi: 10.1155/2013/598056](https://doi.org/10.1155/2013/598056)

B. Articole publicate ca si co-autor

1. C. Simeanu, T.K. Nikolouzakis, A. Văcărașu, D. Ciotirlă, A. Mirica, R. Iosifescu, N. Iordache, M. Mardare, A. Mountouraki, **B. Gălăteanu**, O. Ginghină, *A Case Report of Hemoperitoneum as The Primary Presentation of Gastric Infarction in a SARS-COV-2 Positive Patient*, **Public Health and Toxicology**, **2023**, 1(3):PHT-00072-2022-02
2. A. Văcărașu, R. Iosifescu, M. Zamfir, M. Mardare, I. Bondoc, C. Călin, L. Ali, **B. Gălăteanu**, T. K. Nikolouzakis, M. Tolia, O. Ginghină, *A rare case of a Primary Malignant Anorectal Melanoma*, **Public Health and Toxicology**, **2023**, 1(3): PHT-00070-2022-02
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4. C. Bălălău, N. Bacalbașa, C. Negrei, **B. Gălăteanu**, O. Ghinghină, O.D. Bălălău, I. Păunică, M. Chioveanu, *Modern management of diabetic foot complications*, **J Clin Invest Surg**, **2019**, 4(1): 5-9 doi: 10.25083/2559.5555/4.1/5.9
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7. A.M. Vlasceanu, D.L. Baconi, **B. Gălăteanu**, M. Stan, C. Bălălău, *Comparative cytotoxicity study of nicotine and cotinine on MRC-5 cell line*, **Journal of Mind and Medical Sciences**, **5(1): 18, 2018**
8. I. Dina, O. Ginghină, C.D. Toderescu, C. Bălălău, **B. Gălăteanu**, C. Negrei, C. Iacobescu, *Zenker's diverticulum and squamous esophageal cancer: a case report*, **Journal of Mind and Medical Sciences**, **4(2):193-197, 2017**
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10. C. Negrei, G.T.A. Burcea Dragomiroiu, O. Ginghină, D. Boda, **B. Gălăteanu**, M. Stan, C. Bălălău, C. Guțu, C.D. Toderescu, G.C. Pribac, I. Dina, *Influence of pre-operative chemotherapy on hepatic morpho-pathology*, **Jurnal Medical Aradean**, 19(4): 28-34, 2016
11. I. Dina, O. Ginghină, R. Iosifescu, G.T.A. Burcea Dragomiroiu, C.D. Toderescu, G.C. Pribac, **B. Gălăteanu**, C. Bălălău, C. Guțu, C. Negrei, *Mediastinal sarcoidosis mass revealed by progressive dysphagia - case report*, **Jurnal Medical Aradean**, 19(4): 35-38, 2016
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13. M.C. Bunea, **B. Gălăteanu**, E. Vasile, C. Zaharia, P.O. Stanescu, C. Andronescu, I.C. Radu, R. Fuchs, H. Iovu, *Novel biocomposites based on polyhydroxyalkanoates-layered double hydroxides for tissue engineering applications*, **UPB Sci. Bull. Series B**, 78: 81-90, 2016

III. Brevete și cereri de brevete:

A. Brevete naționale acordate

1. **ROI28708-A2** - *Composition and obtaining protocol for adipose tissue regeneration hydrogels*
Inventatori: CIMPEAN A., CONSTANTIN V., COSTACHE M., DIMONIE O. D. A., GABOR A. R., **GALATEANU B.**, NICOLAE C. A., PETRACHE M., TRANDAFIR I. G.,
2. **ROI28714-A2** - *Process for activating cell proliferation with effect on regeneration of burnt and wounded tissue and matrix metalloproteinase, by stimulating cell adhesion and differentiation under the action of levan produced by Zymomonas mobilis bacteria*
Inventatori: STOIAN G., **GALATEANU B.**, COSTACHE M., DINISCHIOTU A., STURZOIU C., PETRESCU M.
3. **ROI30767-A2** - *Polihidroxibutirat and bacterial cellulose based composition for tissue engineering applications and obtaining protocol*
Inventatori: SATNESCU P.O., ZAHARIA C., RAPA M., CASARICA A., LUPESCU I., **GALATEANU B.**

B. Cereri de brevete în evaluare la OSIM

1. A00707/21.09.2018 – Procedeu de selecție a celulelor tumorale circulante de adenocarcinom de colon pentru analiza prin citometrie în flux;
Inventatori: GĂLĂȚEANU B., HUDIȚĂ A., COSTACHE M., NEGREI C., GINGHINĂ O., ARDELEANU C.M., DOBREA C.M., BUBURUZAN L., ZAMFIR (IROFEI) A.
2. A00732/16.11.2020 – Platforma 3D cu eliberare controlată pentru terapia cancerului
Inventatori: ZAHARIA C., RADU I. C., TANASA E., STANESCU P.O., GĂLĂȚEANU B., COSTACHE M., HUDIȚĂ A., ZAHARIA A.
3. A00766/23.11.2020 - Model de pansament pe baza de celuloza bacteriana, chitosan si polimeri termosensibili incarcati cu molecule biologice active pentru terapia ranilor;
Inventatori: STANESCU P., RADU I.C., ZAHARIA C., TANASA E., CASARICA A., GĂLĂȚEANU B., COSTACHE M., HUDIȚĂ A., CHIRIAC A.L.
4. A00023/26.01.2021 – Model de cuantificare a cantității de 5FU internalizată în celule tumorale de adenocarcinom colorectal după administrare prin nanosisteme polimerice etichetate cu secvențe ADN;
Inventatori: GĂLĂȚEANU B., HUDIȚĂ A., GINGHINĂ O., DINESCU S., COSTACHE M., RADU I.C., ZAHARIA C.
5. A00234/06.05.2022 - Model de determinare a profilului molecular tumoral din sangele periferic al pacienților oncologici în stadii avansate pentru personalizarea și modularea abordării terapeutice;
Inventatori: GĂLĂȚEANU B., HUDIȚĂ A., GINGHINĂ O., BUBURUZAN L., ZAMFIR-IROFEI A., ARDELEANU C.M.
6. A100521/26.08.2022 - Model de cuantificare a capacității nanosistemelor încărcate cu agenți antitumorali de a penetra bariera endotelială pentru livrarea medicamentelor încapsulate celulelor tumorale de adenocarcinom colorectal
Inventatori: HUDIȚĂ A., GĂLĂȚEANU B., GINGHINĂ O.

IV. Cărți și capitole de carte:

1. A. Hudiță, **B. Gălăteanu***, M. Costache, *Nanobiomaterials for tissue engineering*, capitol în: "Materials for Biomedical Engineering: Nanobiomaterials in Tissue Engineering", Editor Alexandru Grumezescu, Elsevier Publishing House, 2019
2. C. Negrei, **B. Gălăteanu**, *Risk factors as biomarkers of susceptibility in breast cancer*, book chapter in "Biomarkers in Toxicology, 2nd Ed", Edited by Ramesh Gupta, Elsevier Publishing House, ISBN: 9780128146552
3. **B. Gălăteanu**, A. Hudiță, C. Zaharia, M.C. Bunea, E. Vasile, M.R. Buga, M. Costache, *91b. Silk-Based Hydrogels for Biomedical Applications* book chapter in "Cellulose-Based Superabsorbent Hydrogels", edited by Md. Ibrahim H. Mondal, Springer Publishing House, ISBN 978-3-319-77829-7
4. S. Dinescu, **B. Gălăteanu**, M. Costache, *Current notes on chondrogenesis for cartilage tissue engineering applications*, book chapter in "Advanced biocompatible structures for prospective bioengineering: Concepts and strategies", Romanian Academy Publishing House, ISSN: 978-973-27-2317-3, 2013.
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3. **B. Gălăteanu**, A. Hudiță, E. Ionica, *Liquid biopsy: a powerful modern tool for managing colorectal cancer*, WG3 Cost Action - Challenges of tumor profiling in translational research, 20-21 Septembrie **2021**, București, România
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B. Conferințe naționale

B.1. Prezentare orală

1. **B. Gălăteanu**, Ginghina, O., Zamfir, M., Mardare, M., Velonia, K., Hudiță, A., *Modelling colorectal cancer: from flat biology to next generation cancer management*, 2nd Edition of the OncoHub Conference – Connecting Scientists and Physicians for Next Generation Cancer Management, 21-23 Septembrie **2022**, Brașov, România
2. Zaharia, C., Radu, I.C., **B. Gălăteanu**, Hudiță, A., *Targeting glioblastoma cells with polymeric nanoparticles in 3D biomimetic culture models*, 2nd Edition of the OncoHub Conference – Connecting Scientists and Physicians for Next Generation Cancer Management, 21-23 Septembrie **2022**, Brașov, România
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9. Hudiță, A., Ginghina, O., Costache, M., **B. Gălăteanu**, *Investigation of 5-FU nanocarriers cytotoxicity on HT-29 cells cultured in a biomimetic tumor-on-a-chip platform*, 1st Edition of the OncoHub Conference – Connecting Scientists and Physicians for Next Generation Cancer Management, 13-15 Octombrie **2021**, on-line
10. Zaharia, C., Radu, I.C., **B. Gălăteanu**, Hudiță, A., Necolau, M., *The amazing potential of silk proteins for cancer management*, 1st Edition of the OncoHub Conference – Connecting Scientists and Physicians for Next Generation Cancer Management, 13-15 Octombrie **2021**, on-line
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31. **B. Gălăteanu**, E. Radu, V. Mitran, S. Dinescu, A. Cimpean, D. Iordachescu, M. Costache, *Evaluarea viabilității preadipocitelor 3T3-L1 în culturi 3D, Al VII-lea Congres Național de Citometrie, 5-7 Mai 2011, București, România*
32. **B. Gălăteanu**, S. Nae, *Obținerea unor celule stem adulte din țesut adipos în scopul utilizării lor în ingineria tisulară, Sesiunea de Comunicări Științifice a Studenților Facultății de Biologie, 22 Mai 2010, București, România*

B.2. Prezentare poster

1. **B. Gălăteanu**, V. Uivarosi, A.C. Cowell, A.M. Maciucă, O. Ginghina, M. Zamfir, M. Mardare, B. Tanase, A. Hudita, *In vitro IC50 dose screening for lanthanide complexes with nalidixic acid for their prospective use in colorectal cancer therapy*, CONFER, 23-26 Noiembrie **2022**, Iași, România
2. M. Mardare, R. Iosifescu, M. Zamfir, I. Bondoc, A. Vacarasu, A. Spanu, G. Zugravu, N. Iordache, C. Negrei, A. Hudiță, **B. Gălăteanu**, O. Ginghină, *The main challenges in the surgical treatment of abdominal sarcomas*, Conferința Națională OncoHub, 13-15 Octombrie **2021**, online
3. C. Negrei, **B. Gălăteanu**, A. Hudiță, V. Ioana-Lavric, M. Costache, S. Dragomir, G. Burcea, M. Hirjau, D. Lupuliasa, R.M. Ion, *Noi Sisteme de Eliberare a Capsaicinei pe Baza de Alginat*, Congresul National de Toxicologie, 3-4 Noiembrie **2017**, Bucuresti, Romania
4. Hudiță, A., **B. Gălăteanu**, E. Radu, C. Negrei, O. Ginghină, C. Ardeleanu, M. Costache, *Optimization of tumor marker panel for the sensitive detection of circulating colon tumor cells*, International Summer School and Joint Symposium on Flow Cytometry, 6 – 9 Iunie **2017**, București, România
5. **B. Gălăteanu**, Hudiță, A., C. Negrei, O. Ginghina, M. Costache, *HT-29 adenocarcinoma cells gene expression pattern as response to 5-FU, OXP and FA treatment*, Congresul National de Farmacie, 28 Septembrie - 1 Octombrie **2016**, București, România
6. O. Ginghina, **B. Gălăteanu**, G. Burcea, Hudiță, A., M. Stan, R.M. Ion, M. Costache, C. Negrei, *5-FU, OXP and FA loaded liposomes for enhanced approach of colo-rectal adenocarcinoma treatment*, Congresul National de Farmacie, 28 Septembrie - 1 Octombrie **2016**, București, România
7. A. Hudiță, **B. Gălăteanu**, M. Serban, V. Lavric, I. Demetrescu, M. Costache, *Biocompatibility assesment of some new dental alloys designed to improve the acute and chronic biological post implant response*, Simpozionul Academician N. Cajal, ediția aXIa, Martie **2016**, București, România
8. **B. Gălăteanu**, S. Oniga, A. Hudiță, M. Șerban, S. Neagoe, C. Aranicu, S. Dinescu, M. Costache, *Screening-ul biologic in vitro al unor compuși originali, cu potențial efect antiproliferativ*, Conferința Națională de Citometrie, ediția aXIa, 20 Aprilie **2015**, București, România

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10. M. Șerban, **B. Gălățeanu**, D. Nuță, A. Hudiță, C. Chiriță, A. Hermenean, A. Ardelean, M. Costache, *In vitro biological screening of potential analgesic and local anaesthetic benzanilides*, Simpozionul Academician N. Cajal, ediția aXa, 1-4 Aprilie **2015**, București, România
11. **B. Gălățeanu**, S. Dinescu, R. Fuchs, A. Hermenean, M. Costache, *Evidențierea expresiei perilipinei prin microscopie, citometrie in flux si tehnici de biologie moleculara*, Al X lea Congres National de Citometrie, 22-23 Mai **2014**, București, România
12. **B. Gălățeanu**, S. Dinescu, A. Hermenean, M. Costache, *Strategii actuale in ingineria tesutului adipos*, Simpozionul Nicolae Cajal, Mai **2014**, Buc București, România
13. M.L. Predoiu, S. Dinescu, **B. Gălățeanu**, M. Costache, *Markers involved in osteogenic differentiation of cells in 2D culture system*, Congresul National al Societatii Romane de Biologie Celulara cu participare internatională si a XXXIIa Sesiune Stiintifica Anuala, 4-7 Iunie **2014**, Târgu Mures, România.
14. C. Limban, **B. Gălățeanu**, M. Costache, A.V. Missir, L. Morușciag, C. Chiriță, M. Teodor Căproiu, D.C. Nuță, *Synthesis, characterization and cytotoxic evaluation of 2-(4-ethylphenoxy)methyl)-n-(arylcarbamothioyl)benzamides*, Congresul National de Farmacie, Septembrie **2014**, Iași, România
15. S. Dinescu, **B. Gălățeanu**, D. Nuță, M. Costache, *Analiza in vitro a efectelor citotoxice a unor compusi noi, cu potential terapeutic, in vederea stabilirii DL50*, Al IX-lea Congres de citometrie, 16-18 Mai **2013**, București, România
16. **B. Gălățeanu**, S. Dinescu, V. Mitran, O. A. Calciu, P. Neacșu, R. Gustin, A. Cimpean și M. Costache, *Potențialul de diferențiere adipogenică al hADSC în sisteme de cultură 3D*, Al VIII-lea Congres Național de Citometrie, 10-11 Mai **2012**, București, România
17. C. Ciofrângeanu, A. Cîmpean, R. Ion, **B. Gălățeanu**, V. Mitran, D. Iordăchescu, *Efecte sinergice antitumorale ale curcuminei si adriamicinei in cancerul mamar*, pag. 57, A XXVI-a Sesiune Stiintifica Anuala a Societatii Nationale de Biologie Celulara, 12-15 Iunie **2008**, Cluj-Napoca, România

18. R. Ion, V. Mitran, C.M. Ciofrângeanu, **B. Gălăteanu**, D. Iordăchescu, A. Cîmpean, *Cercetări de evidențiere in vitro a comportamentului osteoblastelor cultivate pe suporturi de titan și oxid de zirconiu*, INGIMED IX, 13 Noiembrie 2008, București, România

VI. Proiecte de cercetare:

A. Director/responsabil de proiect

1. **PN-III-P2-2.1-PTE-2021-0663 ONCOGUARD 2022-2024:** “Validarea și implementarea biopsiei lichide ca o metoda actuală de determinare a profilului molecular prin NGS pentru prognosticul si modularea terapiei in cancerul de san”
2. **PN-III-P1-1.1-TE-2021-1660 ONCOTARGET 2022-2024:** “Improvement of original antitumor compounds pharmacological parameters using targeted nanoshuttles designed for colorectal cancer modern approach”
3. **PN-III-P2-2.1-PTE-2019-0577 ONCONGS 2020-2022:** “Biopsia lichida - alternativa moderna in determinarea profilului molecular prin NGS pentru modularea terapiei in cancerul avansat. Validare si implementare.”
4. **PN-III-P1-1.1-PD-2016-1996 MagNaNoTer 2018-2021:** “Smart DNA bar coded carriers for modern cancer therapy approach”
5. **PN-III-P2-2.1-PTE-2016-0149 TUMFLOW 2016-2018:** “Liquid biopsy technology development for prognostics and therapy modulation in malignant epithelial cancers”
6. **15568/01.07.2016 Young Researcher Grant:** “Biomimetic Hydroxyapatite Decorated Silk Fibroin/Polyacrylic Acid Composite Scaffolds for Bone Tissue Renegeration”

B. Membru in echipa de cercetare

B.1. Proiecte nationale

1. **PN-III-P1-1.1-TE-2021-1236 PROTECT 2022-2024:** “Improvement of therapeutic approaches in oncologic patients underlying severe side effects to chemotherapy”

2. **PN-III-P4-ID-PCE-2020-1448 NANOVEC 2021-2023:** *“Non-viral vectors based on polymeric nanoparticles for cancer gene therapy”*
3. **PN-III-P1-1.2-PCCDI-2017-0728 TERAMED 2018-2021:** *“Integrated development project for advanced medical treatment technologies”*
4. **PN-III-P1-1.2-PCCDI-2017-0407 INTEL MAT 2018-2021:** *“Smart materials for medical applications”*
5. **PN-III-P1-1.2-PCCDI-2017-0341 PATHDERM 2018-2021:** *“Multi-disciplinary platform for regional institutional capacity enhancing in dermatooncology and dermato-pathology domains”*
6. **PN-III-P1-1.2-PCCDI-2017-0782 REGMED 2018-2021:** *“Advanced Innovative approaches for predictable regenerative medicine”*
7. **PN-III-P2-2.1-BG-2016-0443 NANOCAPTOX 2016-2018:** *“Applied interdisciplinary implementation and toxicological evaluation of new pharmaceutical formulations of capsaicin.”*
8. **PN-III-P2-2.1-BG-2016-0458 EXPERT 2016-2018:** *“Transfer of knowledge regarding optimal use of platelet-rich plasma (PRP) for efficient tissue regeneration”*
9. **PN-III-P2-2.1-PED-2016-0904 2017-2018:** *“Biotechnology for demonstration of the anticancer potential of drug loaded carbon nanoarchitectures using multicellular tumor spheroids”*
10. **PN-III-P2-2.1-PED-2016-1644 ANTIFIBROSIS 2017-2018:** *“Design and development of cyclodextrin-based delivery systems to enhance chrysin antifibrotic activity in chronic liver diseases”*
11. **PN-II-RU-TE-2014-4-1272 BIOSILK MAG 2015-2017:** *„Design and characterization of novel biomaterials based on magnetic nanoparticles in natural silk matrix for bone tissue engineering application”*
12. **PN-II-PT-PCCA-2013-4-0869 ORALSIS 2012-2015:** *„Improving oral and systemic health using dental works from modified alloys”*
13. **PN-II-PT-PCCA-2011-3.1-1538 POLYGRAPH 2012-2015:** *„Developing new graphene-polymer composites biomaterials for scaffold fabrication with applicability in bone repair by coupling multiscale molecular modelling and experiments”*

14. PCCE248-2010 BIOENG 2010-2013: „NEW CONCEPTS AND STRATEGIES FOR THE DEVELOPMENT OF KNOWLEDGE OF NEW BIOCOMPATIBLE STRUCTURES IN BIOENGINEERING”

B.2. Proiecte internationale

- 1. ERA-SIINN Nano ToxClass 13/2015 2015-2019: “Establishing nanomaterial grouping/ classification strategies according to toxicity and biological effects for supporting risk assessment”*

Data,
04.05.2026

Semnătura,
Conf. dr. habil. Bianca Gălățeanu