

## LISTA DE LUCRĂRI

Conf. dr. Bianca Gălățeanu

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

#### A. Articole publicate in reviste ISI ca autor principal

1. 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)
2. 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)
3. 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)
4. 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)
5. 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)
6. 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).

7. 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**)
8. **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**)
9. 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**)
10. 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**)
11. 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**)
12. 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**)
13. 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**)

14. 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**)
15. 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: 10.3390/molecules24224096](https://doi.org/10.3390/molecules24224096), (**Q2**,  **AIS = 0.599**,  **IF = 3.267 / 2019**)
16. 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**)
17. 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: 10.1080/10717544.2019.1582729](https://doi.org/10.1080/10717544.2019.1582729), (**Q1**,  **AIS = 0.719**,  **IF = 4.902 / 2019**)
18. 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/10.31925/farmacia.2018.5.16](https://doi.org/10.31925/farmacia.2018.5.16), (**Q4**,  **AIS = 0.094**,  **IF = 1.527 / 2018**)
19. **B. Gălăteanu**, 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**)
20. I.C. Radu, A. Hudiță, C. Zaharia, P.O. Stanescu, E. Vasile, H. Iovu, M. Stan, O. Ginghina, **B. Gălăteanu\***, 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**)

21. 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>, (AIS = 0.452, IF = 2.667 / 2017)
22. **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>, (AIS = 0.279, IF = 1.260 / 2016)
23. 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>, (Q1, AIS = 1.240, IF = 4.4 / 2016)
24. **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>, (Q2, AIS = 0.640, IF = 3.079 / 2016)
25. **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>, (AIS = 0.792, IF = 3.687 / 2015)
26. **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> (AIS = 0.792, IF = 3.687 / 2015)
27. **B. Gălățeanu**, 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>, (AIS = 0.367, IF = 1.57 / 2014)

28. **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)
29. **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. 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)
2. 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).
3. 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 Synthetised Sulfanilamide Schiff Bases as Promising Antibacterial and Antibiofilm Agents*. *Pharmaceutics*, **2024**, **17**(4), p.405. (Q1, AIS = 0.800, IF = 4.3 / 2023).
4. Piciu, F., Domocos, D., Chiritoiu, G., Chiritoiu-Butnaru, M., Mernea, M., Popescu, C.G., Mihai, D.P., **Galateanu, 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).
5. 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).

6. Ardeleanu, C.M., Olinca, M.V., Vișoreanu, C.G., Mureșan, H.A., Tecuceanu-Vulpe, A., Manole, G., Gune, I.E., **Gălățeanu, B.**, Ilie-Petrov, A.C., Ultimescu, 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).
7. 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).
8. 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).
9. Motas, N., Manolache, V., Scarci, M., Nimigean, V., Nimigean, V.R., Simion, L., Mizea, M.C., Trifanescu, O.G., Galateanu, B., Gherghe, M., Capsa, C.M.. Salvage Surgery for Small-Cell Lung Cancer—A Literature Review. **Cancers**, 2023, 15(8), p.2241. (Q1, AIS = 1.148, IF = 4.5 / 2023).
10. G. Dorcioman, A. Hudiță, **B. Gălățeanu**, D. Crăciun, I. Mercioniu, O.C. Oprea, I. Neguț, V. Grumezescu, A.M. Grumezescu, L.M. Dițu, A.M. Holban, *Magnetite-Based Nanostructured Coatings Functionalized with Nigella sativa and Dicloxacillin for Improved Wound Dressings*, **Antibiotics**, 2023, 12(1): 59 <https://doi.org/10.3390/antibiotics12010059> (Q1, AIS = 0.839, IF = 4.3 / 2023)
11. M.A. (Irofei) Zamfir, L. Buburuzan, A. Hudiță, **B. Gălățeanu**, O. Ginghină, D. Ion, N. Motaș, C.M. Ardeleanu, M. Costache, *Liquid Biopsy in Lung Cancer Management*, **RJME**, 2022, 63(1): 31-38 (Q4, AIS = 0.197, IF = 1 / 2022)
12. V. Grumezescu, A.M. Grumezescu, A. Ficai, I. Neguț, B.S. Vasile, **B. Gălățeanu**, A. Hudiță, *Composite Coatings for Osteoblast Growth Attachment Fabricated by Matrix-Assisted Pulsed Laser Evaporation*, **Polymers**, 2022, 14(14): 2934, <https://doi.org/10.3390/polym14142934> (Q1, AIS = 0.657, IF = 5 / 2022)

13. C.V. Gheran, S.N.Voicu, **B. Gălăteanu**, M. Callewaert, J. Moreau, C. Cadiou, F. Chuburu, A. Dinischiotu, *In Vitro Studies Regarding the Safety of Chitosan and Hyaluronic Acid-Based Nanohydrogels Containing Contrast Agents for Magnetic Resonance Imaging*, **Int J Molec Sci**, **2022**, 23: 3258, <https://doi.org/10.3390/ijms23063258> (**Q1, AIS = 1.030, IF = 5.6/2022**)
14. A. Hudiță, V. Grumezescu, O. Gherasim, A. M. Grumezescu, G. Dorcioman, I. Negut, O.C. Oprea, B. Ș.Vasile, **B. Gălăteanu**, C. Curuțiu, A. M. Holban, *MAPLE Processed Nanostructures for Antimicrobial Coatings*, **Int J Mol Sci**, **2022**, 23(23): 15355 <https://doi.org/10.3390/ijms232315355> (**Q1, AIS = 1.030, IF = 5.6/2022**)
15. O. Gherasim, A.M. Grumezescu, V. Grumezescu, E. Andronescu, I. Negut, A.C. Bîrcă, **B. Gălăteanu**, A. Hudiță, *Bioactive Coatings Loaded with Osteogenic Protein for Metallic Implants*, **Polymers**, **2021**, 13:4303, <https://doi.org/10.3390/polym13244303> (**Q1, AIS = 0.599, IF = 4.967 / 2021**)
16. A. Hudiță, I.C. Radu, **B. Gălăteanu**, O. Ginghina, H. Herman, C. Balta, M. Rosu, C. Zaharia, M. Costache, E. Tanasa, K. Velonia, A. Tsatsakis, A. Hermenean, *Bioinspired Silk Fibroin Nano-Delivery Systems Protect Against 5-FU Induced Gastrointestinal Mucositis in a Mouse Model and Display Antitumor Effects on HT-29 Colorectal Cancer Cells In Vitro*, **Nanotoxicology**, **2021**, <https://doi.org/10.1080/17435390.2021.1943032>, (**Q1, AIS = 0.941, IF = 5.881 / 2021**)
17. A. Hudiță, **B. Gălăteanu**, M. Costache, C. Negrei, R.M. Ion, L. Iancu, O. Ginghină, *In Vitro Cytotoxic Protective Effect of Alginate-Encapsulated Capsaicin Might Improve Skin Side Effects Associated with the Topical Application of Capsaicin*, **Molecules**, **26(5): 1455, 2021**, <https://doi.org/10.3390/molecules26051455>, (**Q2, AIS = 0.694, IF = 4.927 / 2021**)
18. O. Gherasim, A. M. Grumezescu, A. Ficai, V. Grumezescu, A. M. Holban, **B. Gălăteanu**, A. Hudiță, *Composite P(3HB-3HV)-CS Spheres for Enhanced Antibiotic Efficiency*, **Polymers**, 13:989, **2021**, <https://doi.org/10.3390/polym13060989>, (**Q1, AIS = 0.599, IF = 4.967 / 2021**)
19. E. Vasile, I.C. Radu, **B. Gălăteanu**, M. Rapa, A. Hudiță, D. Jianu, P.O. Stănescu, H. Cioflan, C. Zaharia, *Novel Nanocomposites Based on Bacterial Polyester/LDH-SDS Clay for Stem Cells Delivery in Modern Wound Healing Management*, **Materials**, **13(20): 4488, 2020**, <https://doi.org/10.3390/ma13204488>, (**Q1, AIS = 0.597, IF = 3.623 / 2020**)
20. I. Negut, V. Grumezescu, A.M. Grumezescu, A.C. Bîrcă, A.M. Holban, I. Urzica, S.M. Avramescu, **B. Gălăteanu**, A. Hudiță, *Nanostructured Thin Coatings Containing Anthriscus*

- sylvestris Extract with Dual Bioactivity*, **Molecules**, **25**(17): 3866, **2020**, [https://doi: 10.3390/molecules25173866](https://doi.org/10.3390/molecules25173866) (**Q2**, **AIS = 0.694**, **IF = 4.411/ 2020**)
- 21.** A. Codreanu, C. Balta, H. Herman, C. Cotoraci, C. V. Mihali, N. Zurbau, C. Zaharia, M. Rapa, P. Stanescu, I. C. Radu, E. Vasile, G. Lupu, **B. Gălăteanu**, A. Hermenean, *Bacterial Cellulose-Modified Polyhydroxyalkanoates Scaffolds Promotes Bone Formation in Critical Size Calvarial Defects in Mice*, **Materials**, **13**(6): 1433, **2020**, <https://doi.org/10.3390/ma13061433> (**Q1**, **AIS = 0.597**, **IF = 3.623 / 2020**)
- 22.** T. Costea, A. Hudiță, O.T. Olaru, **B. Gălăteanu**, C.E. Gird, and M. Mocanu, *Chemical composition, antioxidant activity and cytotoxic effects of Romanian Craterellus Cornucopioides (L.) Pers. mushroom*, **Farmacia**, **68**(2): 340-347, **2020**, [https://doi: 10.31925/farmacia.2020.2.21](https://doi.org/10.31925/farmacia.2020.2.21), (**Q4**, **AIS = 0.112**, **IF = 1.433/ 2020**)
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## II. Articole in reviste BDI

### A. Articole publicate ca autor principal

1. **B. Gălăteanu**, 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

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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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### 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., STURZIOIU C., PETRESCU M.

3. ROI30767-A2 - *Polihidroxitirac și compoziție bazată pe celuloză bacteriană pentru aplicații de inginerie de țesut și obținerea protocolului*

**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.
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**Inventatori:** STANESCU P., RADU I.C., ZAHARIA C., TANASA E., CASARICA A., GĂLĂȚEANU B., COSTACHE M., HUDIȚĂ A., CHIRIAC A.L.
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5. A00234/06.05.2022 - Model de determinare a profilului molecular tumoral din sângele 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., **GĂLĂTEANU 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, 2<sup>nd</sup> 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.
5. **B. Gălăteanu**, S. Dinescu, M. Costache, *Tissue engineering strategies for adipose tissue reconstruction*, 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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7. A. Cimpean, R. Ion, C.M. Ciofrangeanu, V. Mitran, **B. Gălăteanu**, D. Iordachescu, *Practical Guide dedicated to the in vitro evaluation of the dental implants biocompatibility*, Ars Docendi, ISBN: 978-973-558-364-4, 2008.

## V. Participări la conferințe

### A. Conferințe internaționale

#### A.1. Prezentare orală

1. M. Birligea , C. Diaconu , A. Voiosu , A. Bengus , E. Dumea , C. Popp , **B. Galateanu** , A. Hudita , I. Pantelimon , T. Draghici , F. Rouhani , O. Ginghina , R. B. Mateescu , T. Voiosu, Ablate, stent and repeat: Feasibility, clinical success and safety profile of intraductal radiofrequency ablation in the management of inoperable perihilar cholangiocarcinoma patients – interim analysis of the COMBO-RFA randomized clinical trial, ESGE Days 2024, 25-27 Aprilie **2024**, Berlin, Germania
2. A. Vacarasu, R. Mirica, M. Zamfir, **B. Gălăteanu**, I. Bondoc, *Impact of SARS COV 2 pandemic on the evolution of colorectal cancer patients*, 3rd IASGO World Congress, 28 Septembrie – 1 Octombrie **2022**, Istanbul, Turcia
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
4. I.C. Radu, **B. Gălăteanu**, A. Hudiță, E.A. Istratoiu, E. Vasile, C. Zaharia, H. Iovu, M. Costache. *Poly-N-isopropylacrylamide (PNIPAM)/magnetite smart nanoparticles loaded with complex doxorubicin-DNA fragments for breast cancer therapy*, 21st Romanian International Conference on Chemistry and Chemical Engineering, 4-7 Septembrie **2019**, Mamaia, România
5. A. Ion, I.C. Radu, C. Zaharia, A. Hudiță, **B. Gălăteanu**, E. Tanasa, H. Iovu, *Nanohydrogels platforms for drug delivery systems by self-assembling of hydrophilic polymers*, 21st Romanian International Conference on Chemistry and Chemical Engineering, 4-7 Septembrie **2019**, Mamaia, România
6. E. A. Istratoiu, I.C. Radu, C. Zaharia, A. Hudiță, **B. Gălăteanu**, E. Tanasa, A. Hermenean, H. Iovu, *Silk fibroin nanocarriers for the targeted delivery of 5-FU in cancer therapy*, 21st Romanian International Conference on Chemistry and Chemical Engineering, 4-7 Septembrie **2019**, Mamaia, România

7. A. Hudiță, I.C. Radu, **B. Gălăteanu**, C. Zaharia, M. Costache, *Silk Fibroin Nanocarriers loaded with 5FU induce DNA damage in HT-29 colorectal adenocarcinoma cells*, 6<sup>th</sup> Annual International Conference on Pharmaceutical Sciences, 6 – 9 Mai **2019**, Atena, Grecia
8. A. Hudiță, I.C. Radu, **B. Gălăteanu**, C. Zaharia, C. Negrei, O. Ginghina, S.M. Dragomir, M. Costache, *5FU loaded silk fibroin nanocarriers for colon cancer targeted therapy*, FEBS Young Scientist Forum, 5-10 Septembrie **2017**, Ierusalim, Israel
9. **B. Gălăteanu**, A. Hudiță, M.V. Serban, I.C. Radu, E. Vasile, C. Zaharia, S.C. Badoiu, D. Jianu, M. Costache, *Magnetic Stimulation of Adipose Derived Stem Cells Improves the Chronic Wounds and Bone Regeneration Management*, INTERNATIONAL COURSE & ISRMS 2nd CONGRES 2017:” A challenge of 21st Century: regenerative medicine; research and clinical applications”, Iunie **2017**, București, Romania
10. C. Zaharia, I.C. Radu, **B. Gălăteanu**, A. Hudiță, E. Vasile, H. Iovu, *Smart polymeric nanocarriers loaded with active principles for colo-rectal cancer therapy*, 3rd World Congress on Materials Science and Engineering, 24-26 August **2017**, Barcelona, Spania
11. **B. Gălăteanu**, A. Hudiță, M. Serban, I. Radu, R. Fuchs, S. Dinescu, C. Zaharia, A. Hermenean, A. Ardelean, M. Costache, *Stem cells loaded nanobiohybrids for efficient chronic wounds healing*, FEBS Congress, 4-9 Iulie **2015**, Berlin, Germania
12. **B. Gălăteanu**, A. Hudiță, M. Serban, A.C. Munteanu, V. Uivarosi, A. Hermenean, A. Ardelean, M. Costache, *Effect of chromium complexes with flavonoid quercetin on the adipogenic process*, FEBS Congress, 4-9 Iulie **2015**, Berlin, Germania
13. **B. Gălăteanu**, M. Costache, *Adipose Derived Stem Cells for Efficient Chronic Wounds Healing*, First Congress of the International Society of Regenerative Medicine and Surgery, 15-16 Mai **2015**, Bucharest, Romania.
14. **B. Gălăteanu**, M. Costache, *Adipose Derived Stem Cells for Soft Tissue Engineering*, RSBMB Anniversary Conference - 25 years of promoting molecular life sciences, 17-18 Septembrie **2015**, Bucharest, Romania
15. **B. Gălăteanu**, S. Dinescu, V. Mitran, D. Iordachescu, A. Cimpean, *Viability and Proliferation of Preadipocytes in Layer-shaped Alginate Hydrogels*, AFC 2011 „15<sup>e</sup> Congress du Cytometrie”, 26-28 Octombrie **2011**, Paris, Franța



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### **A.2. Prezentare poster**

1. **B. Gălăteanu**, A. Hudiță, M. Zamfir, M. Mardare, I. Bondoc, A. Văcărașu, A. Burlacu, B. Tănase, O. Ginghină. *PD-1/CTLA-4 Expression On Colorectal Cancer Tumor Infiltrating Lymphocytes*. Al 42-lea Congres al Societății Europene de Oncologie Chirurgicală ESSO, 25 – 27 Octombrie **2023**, Florența, Italia
2. A. Vacarasu, M. Zamfir, M. Mardare, I. Bondoc, D. Cernov, T. Comanica-Stinga, R. Iosifescu, A. Hudiță, **B. Gălăteanu**, A. Burlacu, J. Valcea, T. Voiosu, A. Voiosu, F. Grama, M. Barbu, B. Tanase, L. Simion, O. Ginghina. *Familial Polyposis – the good, the bad and the ugly*. Al 42-lea Congres al Societății Europene de Oncologie Chirurgicală ESSO, 25 – 27 Octombrie **2023**, Florența, Italia
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17. **B. Gălăteanu**, A. Hudiță, V. Ioana-Lavric, M. Costache, S. Dragomir, A. Balanescu, C. Negrei, *Aspecte Toxicologice Ale Sigurantei Acizilor Grasi Cetilati Din Celadrin*, Congresul National de Toxicologie, 3-4 Noiembrie 2017, București, România
18. A. Hudiță, **B. Gălăteanu**, C. Negrei, O. Ginghina, C. Ardeleanu, E. Radu, M. Costache, *Optimization of a flow cytometry protocol for the detection of circulating tumor cells for personalized medicine approach in oncology*, Congresul National de Citometrie, 19-21 Octombrie 2017, București, România
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20. A. Hudiță, **B. Gălăteanu**, M. Șerban, C. Negrei, O. Ginghină, M. Costache, *Caracterizarea celulelor tumorale de cancer de colon din sisteme 3D moderne de cultura, tratate cu cocktail chemoterapeutic*, Sesiunea Științifică Studentească a Facultății de Biologie – Ed. 2016, Iunie 2016, București, România

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26. R. Gustin, S. Dinescu, **B. Gălăteanu**, M. Costache, *Evaluarea potențialului adipogenic al ASC în noi sisteme 3D de cultură*, Sesiunea Științifică Studentească a Facultății de Biologie, 25 Mai **2012**, București, România
27. O.A. Calciu, S. Dinescu, **B. Gălăteanu**, M. Costache, *Evaluarea potențialului de diferențiere condrogenică a ASC în urma inducției cu un cocktail original*, Sesiunea Științifică Studentească a Facultății de Biologie, 25 Mai **2012**, București, România
28. F. Halitzchi, **B. Gălăteanu**, B. Amuzescu, S. Comoroșan, *Efectul antioxidant al câmpului electro-magnetic*, Sesiunea Științifică Studentească a Facultății de Biologie, 25 Mai **2012**, București, România
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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
9. A. Hudiță, **B. Gălăteanu**, Alexandra Cristina Munteanu, Valentina Uivarosi, Marieta Costache, *In vitro biological screening of some potential insulin mimetic metal-flavonoid complexes*, Simpozionul Academician N. Cajal, ediția aXa, 1-4 Aprilie **2015**, București, România
10. M. Șerban, **B. Gălăteanu**, 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. Gălăteanu**, 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. Gălăteanu**, S. Dinescu, A. Hermenean, M. Costache, *Strategii actuale in ingineria tesutului adipos*, Simpozionul Nicolae Cajal, Mai **2014**, Buc București, România
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14. C. Limban, **B. Gălăteanu**, 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-(arylcarbamoithiopl)benzamides*, Congresul National de Farmacie, Septembrie **2014**, Iași, România
15. S. Dinescu, **B. Gălăteanu**, 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

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17. C. Ciofrângeanu, A. Cîmpean, R. Ion, **B. Gălăteanu**, V. Mitran, D. Iordăchescu, *Efecte sinergice antitumorale ale curcuminei și adriamicinei în cancerul mamar*, pag. 57, A XXVI-a Sesiune Științifică Anuală a Societății Naționale de Biologie Celulară, 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 și modularea terapiei în 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 în determinarea profilului molecular prin NGS pentru modularea terapiei în cancerul avansat. Validare și 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 Regeneration”

## 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 INTELMAT 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,

13.02.2025

Semnătura,

Conf. dr. Bianca Gălățeanu

