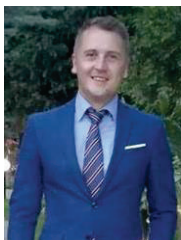


INFORMAȚII PERSONALE

ATANASE LEONARD-IONUȚ



lași, Romania

<https://orcid.org/0000-0002-3657-1492>; Cont Brainmap: U-1700-038R-4516

Sexul M | Data nașterii | Naționalitatea Română

EXPERIENȚA PROFESIONALĂ

2023 - prezent

Expert național în cadrul Corpului de experți înscriși în Registrul Național al Experților pentru certificarea activității de cercetare-dezvoltare (REXCD)

- Certificarea la nivel național a activității de cercetare & dezvoltare în domeniul materialelor funcționale avansate (OMCID nr. 20242/2023)

2021 - prezent

Academia Oamenilor de Știință (AOSR) - membru asociat

2021 - prezent

Conducător de Doctorat – domeniul Inginerie chimică

- **Facultatea de Inginerie Chimica si Protecția Mediului „Cristofor Simionescu”, Universitatea Tehnică „Gheorghe Asachi”, Iași**
- coordonare cercetări studenți doctoranzi – 5 studenți înscriși
- **Învățământ superior și cercetare științifică**

Septembrie 2018-mai 2023

Decan al Facultății de Medicină Dentară

- **Universitatea „Apollonia”, str. Păcurari, nr. 11, Iași, România**
- coordonarea activității didactice și de cercetare din cadrul Facultății de Medicină Dentară
- dezvoltarea relațiilor naționale și internaționale ale Facultății de Medicină Dentară
- coordonarea și organizarea activităților practice ale studenților Facultății de Medicină Dentară
- organizarea manifestărilor științifice din cadrul facultății
- **Învățământ superior; management educațional.**

Martie-septembrie 2018

Prodecan al Facultății de Medicină Dentară

- **Universitatea „Apollonia”, str. Păcurari, nr. 11, Iași, România**
- coordonarea activității de evaluare periodică a cadrelor didactice
- coordonarea activității didactice
- **Învățământ superior; management educațional.**

Martie 2018-mai 2023

Coordonator Birou Erasmus+

- **Universitatea „Apollonia”, str. Păcurari, nr. 11, Iași, România**
- obținerea cartei ERASMUS+
- implementarea programului ERASMUS+ la nivel de universitate
- pregătirea și depunerea proiectelor de mobilitate în cadrul programele KA103/KA131 și KA107/KA171
- identificarea și monitorizarea oportunităților de parteneriate cu universități din UE și non-UE.
- organizarea unor seminarii de informare a studenților și cadrelor didactice
- coordonarea mobilităților Erasmus+ incoming și outgoing la nivel de universitate
- **Învățământ superior; management educațional.**

2018 - 2023

Coordonator Laborator Biomateriale

- **Universitatea „Apollonia”, str. Păcurari, nr. 11, Iași, România**
- coordonarea activității de cercetare în domeniul materialelor cu aplicații biomedicale
- scrierea și depunerea unor propuneri de proiect din cadrul competițiilor naționale și internaționale
- dezvoltarea relațiilor de colaborare științifică la nivel național și internațional
- coordonarea activității de cercetare a studenților
- **Învățământ superior și cercetare științifică**

- 2017 - prezent **Profesor universitar habilitat** (Comisia de inginerie chimică, inginerie medicală, știința materialelor și nanomateriale)
- **Universitatea „Apollonia”, str. Păcurari, nr. 11, Iași, România**
 - titular cursuri și LP: Materiale dentare; Chimia materialelor dentare; Biomateriale; Nanomateriale
 - activități de cercetare în domeniul biomedical: sisteme micelare și coloidale, sinteza copolimerilor, sisteme de eliberare controlată a principiilor active
 - **Învățământ superior și cercetare științifică**
- 2015 - 2017 **Conferențiar asociat**
- **Universitatea „Apollonia”, str. Păcurari, nr. 11, Iași, România**
 - titular cursuri și LP: Materiale dentare; Chimia materialelor dentare; Biomateriale; Nanomateriale
 - activitate de cercetare
 - **Învățământ superior și cercetare științifică**
- 2014 - 2015 **Inginer cercetare dezvoltare**
- **Aquitaine Science Transfert, Pessac, Franța**
 - activități de cercetare în domeniul chimiei macromoleculare cu aplicații în cosmetica,
 - publicarea de articole în reviste cu factor de impact ISI
 - dezvoltarea unui brevet în colaborare cu societatea Dior, LVMH, Franța
 - încadrarea și coordonarea studenților de la master și licența.
 - **Învățământ superior și cercetare științifică**
- 2010 - 2013 **Cercetător universitar**
- **Université de Haute Alsace, Mulhouse, Franța**
 - activități de cercetare în domeniul chimiei macromoleculare
 - publicarea de articole în reviste cu factor de impact ISI
 - încadrarea și coordonarea studenților de la master și licența.
 - **Învățământ superior și cercetare științifică**

EDUCAȚIE ȘI FORMARE

- 2021-2023 **Master: Comunicare instituțională**
- **Universitatea „Apollonia”, Iași, România**
- 2019-2021 **Master: Managementul și administrarea afacerilor**
- **Universitatea Tehnică „Gheorghe Asachi”, Iași, România**
- 2018 **Atestat de abilitare pentru conducere de doctorat în chimia materialelor-**
Habilitation à diriger des recherches (HDR)
- **Université de Haute Alsace, Mulhouse, Franța**
- 2006 – 2010 **Doctorat in chimia materialelor:** „Contribution à l'étude des complexes Poly(vinyle alcool - vinyle acétate)/tensioactifs anioniques: caractéristiques colloïdales des nanogels et extension aux copolymères à blocs”
- **Ecole Nationale Supérieure de Chimie (ENSCMu), Université de Haute Alsace, Mulhouse, Franța**
 - Abilități și aptitudini necesare lucrului într-un mediu multicultural cu studenți de diferite naționalități,
 - pregătirea și planificarea, împreună cu profesorul titular, a subiectelor și temelor de cercetare,
 - susținerea de seminarii și conferințe în prezența membrilor laboratorului, dar și a partenerilor din industrie.
- 2005 – 2006 **Master de cercetare în chimie macromoleculară**
- **Ecole Nationale Supérieure de Chimie (ENSCMu), Université de Haute Alsace, Mulhouse, Franța**
 - sinteza compușilor macromoleculari prin fotopolimerizare,
 - caracterizarea moleculară și coloidală a polimerilor.
- 2000 – 2005 **Inginer chimist diplomat**
- **Facultatea de Chimie Industrială, Universitatea Tehnică „Gheorghe Asachi”,**

Iași, România



- 1996 – 2000
- sinteza și tehnologia compușilor macromoleculari,
 - fizico-chimia polimerilor.

Bacalaureat

- **Grup Școlar Industrial de Industrie Alimentară, Roman, România**
- profil chimie-biologie.

COMPETENTE PERSONALE

Limba(i) maternă(e) Română

Alte limbi străine cunoscute

	INTELEGERE		VORBIRE		SCRIERE
	Ascultare	Citire	Participare la conversație	Discurs oral	
Franceza	C2	C2	C1	C1	C1
Engleza	B2	C1	B2	B2	C1

Niveluri: A1/A2: Utilizator elementar - B1/B2: Utilizator independent - C1/C2: Utilizator experimentat

Competențe de comunicare

- Capacitate de analiză și sinteză obținute în urma redactării a numeroase rapoarte de cercetare, articole de revistă și lucrări științifice.
- Inițiativă în dezvoltarea unor noi domenii de cercetare, introducerea de discipline noi în planurile de învățământ.
- Bune abilități de comunicare interpersonală dobândite în urma studiilor post-universitare, a activității de lucru cu studenții, dar și a participării la numeroase conferințe naționale și internaționale, juri de doctorat și abilitare.

Competențe organizaționale/manageriale

- Leadership dobândit ca director a mai multor proiecte de cercetare naționale și internaționale, dar și în calitate de coordonator al Facultății de Medicină Dentară, a Biroului Erasmus+ și a Laboratorului de Biomateriale.
- Munca în echipă realizată în cadrul proiectelor de cercetare și în mediul academic.
- Profesionalism în managementul educațional.
- Bune abilități de planificare: organizarea secțiunii de Biomateriale avansate din cadrul Congresului internațional al Universității Apollonia din Iași.

Competențe dobândite la locul de muncă

- Sinteza și caracterizarea fizico-chimică a polimerilor [Size Exclusion Chromatography (SEC); Fourier-transform infrared spectroscopy (FTIR); Differential Scanning Calorimetry (DSC); Nuclear Magnetic Spectroscopy (NMR)]
- Auto-asamblarea copolimerilor amfifili [Dynamic Light Scattering (DLS)]
- Obținerea și caracterizarea fizico-chimică a sistemelor polimer/medicament (UV-Viz spectroscopy)
- Prepararea și caracterizarea emulsiilor (reologie, Turbiscan)
- Studiul sistemelor coloidale inteligente de tipul micle, lipozomi, nanocapsule, nanoparticule
- Obținerea fibrelor polimerice prin electrofilare
- Hidrogeluri cu aplicații biomedicale

Alte competențe



- Microsoft Office,
- Internet Explorer.
- ChemDraw
- >100 participări la conferințe naționale și internaționale
- Gătit, înot, fotbal

Permis de conducere BB

INFORMATII SUPLIMENTARE

Articole ISI

93. El Yousfi, R.; Atanase, L.I.; Makaoui, A.; Achalhi, N.; Belkadi, M.C.; Dalli, M.; El Idrissi, A. Enhanced Quercetin encapsulation through charge density and amphiphilicity tuning in cationic triblock micelles. *ACS Appl. Polym. Mater.* (IF = 4.5) 2025, <https://doi.org/10.1021/acsapm.5c00806>
92. Rata, D.M.; Cadinoiu, A.N.; Vochita, G.; Gherghel, D.; Lakkaboyana, S.K.; Fuiuaga, C.P.; Atanase, L.I.; Ichim, D.L. Biocomposite complex hydrogels with antimicrobial activity suitable for wound healing. *J. Polym. Sci.* (IF = 3.9) 2025, 63, 1878-1890. <https://doi.org/10.1002/pol.20241166>
91. Babutan, I.; Atanase, L.I.; Botiz, I. Self-Assembly of Lamellar/Micellar Block Copolymers Induced Through Their Rich Exposure to Various Solvent Vapors: An AFM Study. *Materials* 2025, 18, 1759. <https://doi.org/10.3390/ma18081759>
90. Biswas, R.; Mondal, S.; Ansari, M.A.; Sarkar, T.; Condiuc, I.P.; Trifas, G.; Atanase, L.I. Chitosan and Its Derivatives as Nanocarriers for Drug Delivery. *Molecules* (IF = 4.2) 2025, 30, 1297. <https://doi.org/10.3390/molecules30061297>
89. Cadinoiu, A.N.; Rata, D.M.; Daraba, O.M.; Atanase, L.I.; Horhoge, C.E.; Chailan, J.-F.; Popa, M.; Carauleanu, A. Metronidazole-Loaded Chitosan Nanoparticles with Antimicrobial Activity Against *Clostridium perfringens*. *Pharmaceutics* (IF = 4.9) 2025, 17, 294. <https://doi.org/10.3390/pharmaceutics17030294>
88. Căprărescu, S.; Tihan, G.T.; Zgărian, R.G.; Grumezescu, A.M.; Lazau, C.; Bandas, C.; Atanase, L.I.; Nicolae, C.-A. Synthesis and Characterization of Cellulose Acetate/Polyethylene Glycol/Poly(Styrene)-b-Poly(4-Vinylpyridine) Membrane Embedded with Hydrothermally Activated TiO₂ Nanoparticles for Waste-Waters Treatment by Membrane Processes. *Polymers* (IF = 4.7) 2025, 17, 446. <https://doi.org/10.3390/polym17040446>
87. Baskar, S.; Sidhaarth, K.R.A.; Mangaleswaran, L.; Lakkaboyana, S.K.; Trilaksana, H.; Naidu Kalla, R.M.; Lee, J.; Atanase, L.I.; Kazi, M.; Praveenkumar, S. Elimination of nickel ions in a packed column using clamshell waste as an adsorbent. *Sci. Rep.* (IF= 3.8) 2025, 15, 32. <https://doi.org/10.1038/s41598-024-82267-0>
86. Rață, D.M.; Cadinoiu, A.N.; Grădinaru, L.M.; Fuiuaga, P.C.; Vochita, G.; Delaite, C.; Atanase, L.I. Design and characterization of curcumin-loaded electrospun nanofibers based on poly(vinyl alcohol) and sodium alginate. *Express Polym. Lett.* (IF = 2.7) 2025, 19, 233-245. <https://doi.org/10.3144/expresspolymlett.2025.18>
85. Iftode, L.; Cadinoiu, A.N.; Rață, D.M.; Atanase, L.I.; Vochita, G.; Rădulescu, L.; Popa, M.; Gherghel, D. Double Peptide-Functionalized Carboxymethyl Chitosan-Coated Liposomes Loaded with Dexamethasone as a Potential Strategy for Active Targeting Drug Delivery. *Int. J. Mol. Sci.* (IF = 4.9) 2025, 26, 922. <https://doi.org/10.3390/ijms26030922>
84. Kadri, L.; Salhi, S.; Schuller, A.S.; Atanase, L.I.; Delaite, C.; Ammar, H. Highly efficient one-pot synthesis of polyesteramides from ε-caprolactone and L-phenylalanine with high cell-viability and chemical stability. *Polymer* (IF = 4.1), 2025, 319, 127981. <https://doi.org/10.1016/j.polymer.2024.127981>
83. Rata, D.M.; Cadinoiu, A.N.; Atanase, L.I.; Vochita, G.; Sande, S.A.; Popa, M. Peptide-functionalized magnetic microcapsules loaded with dexamethasone for dual active targeted treatment of inner ear inflammation. *Polymer* (IF = 4.1) 2025, 316, 127864. <https://doi.org/10.1016/j.polymer.2024.127864>
82. Sarkhel, S.; Shuvo, S.M.; Ansari, M.A.; Mondal, S.; Kapat, P.; Ghosh, A.; Sarkar, T.; Biswas, R.; Atanase, L.I.; Carauleanu, A. Nanotechnology-Based Approaches for the Management of Diabetes Mellitus: An Innovative Solution to Long-Lasting Challenges in Antidiabetic Drug Delivery. *Pharmaceutics* (IF = 4.9) 2024, 16, 1572. <https://doi.org/10.3390/pharmaceutics16121572>
81. Barrera-Martínez, C.L.; Meléndez-Ortiz, H.I.; Padilla-Vaca, F.; Atanase, L.I.; Peralta-Rodríguez, R.D.; Liakos, I. Dual Loading of Trans-Cinnamaldehyde and Either Paclitaxel or Curcumin in Chitosan Nanoparticles: Physicochemical Characterization and Biological Evaluation Against MDCK and HeLa Cells. *Polymers* (IF = 4.7) 2024, 16, 3087. <https://doi.org/10.3390/polym16213087>
80. Srimanickam, B.; Saranya, A.; Arulprakasajothi, M.; Lakkaboyana, S.K.; Trilaksana, H.; Naidu Kalla, R.M.; Kazi, M.; Atanase, L.I. Performance investigation on PVT collector with

cerium oxide nano fluids. *Case Stud. Therm. Eng.* (IF = 6.4) **2024**, 63, 105234. <https://doi.org/10.1016/j.csite.2024.105234>

79. Cucoveica, O.; Stadoleanu, C.; Bertsch, C.; Triaud, R.; Condriuc, I.P.; Atanase, L.I.; Delaite, C. Colloidal Characteristics of Poly(L-Lactic Acid)-b-Poly (ϵ -Caprolactone) Block Copolymer-Based Nanoparticles Obtained by an Emulsification/Evaporation Method. *Polymers* (IF = 4.7) **2024**, 16, 2748. <https://doi.org/10.3390/polym16192748>

78. Fakraoui, O.; Atanase, L.I.; Salhi, S.; Royaud, I.; Arous, M.; Ayadi, Z. Investigation of lemon peel extract as a natural additive in polyvinyl alcohol/chitosan blend for advanced bioactive food packaging. *J. Polym. Sci.* (IF = 3.9), **2024**. <https://doi.org/10.1002/pol.20240268>

77. Vochița, G.; Cadinoiu, A.N.; Rață, D.-M.; Atanase, L.I.; Popa, M.; Mahdiah, A.; Mihai, C.-T.; Stache, A.-B.; Moldovan, C.-V.; Băcăiță, E.S.; et al. Comparative In Vitro Study between Biocompatible Chitosan-Based Magnetic Nanocapsules and Liposome Formulations with Potential Application in Anti-Inflammatory Therapy. *Int. J. Mol. Sci.* (IF = 4.9) **2024**, 25, 8454. <https://doi.org/10.3390/ijms25158454>

76. González, L.; Espinoza, V.; Tapia, M.; Aedo, V.; Ruiz, I.; Meléndrez, M.; Aguayo, C.; Atanase, L.I.; Fernández, K. Innovative Approach to Accelerate Wound Healing: Synthesis and Validation of Enzymatically Cross-Linked COL-rGO Biocomposite Hydrogels. *Gels* (IF = 5.0) **2024**, 10, 448. <https://doi.org/10.3390/gels10070448>

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73. Rata, D. M.; Cadinoiu, A. N.; Atanase, L. I.; Popa, M.; Mihai, C. T.; Vochita, G. Peptide-functionalized chitosan-based microcapsules for dual active targeted treatment of lung infections. *Int. J. Biol. Macromol.* (IF = 8.2) **2024**, 265,131027. <https://doi.org/10.1016/j.ijbiomac.2024.131027>.

72. Kavimani, V.; Lakkaboyana, S.K.; Trilaksana, H.; Atanase, L.I. Mechanical Properties and Degradation Rate of Poly(Sorbitol Adipate-Co-Dioladipate) Copolymers Obtained with a Catalyst-Free Melt Polycondensation Method. *Polymers*. (IF = 5.0) **2024**, 16, 499. <https://doi.org/10.3390/polym16040499>

71. Kuperkar, K.; Atanase, L.I.; Bahadur, A.; Crivei, I.C.; Bahadur, P. Degradable Polymeric Bio(nano)materials and Their Biomedical Applications: A Comprehensive Overview and Recent Updates. *Polymers*. (IF = 5.0) **2024**, 16, 206. <https://doi.org/10.3390/polym16020206>

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69. Tincu, C.E.; Bouhadiba, B.; Atanase, L.I.; Stan, C.S.; Popa, M.; Ochiuz, L. An Accessible Method to Improve the Stability and Reusability of Porcine Pancreatic α -Amylase via Immobilization in Gellan-Based Hydrogel Particles Obtained by Ionic Cross-Linking with Mg^{2+} Ions. *Molecules*. (IF = 4.6) **2023**, 28, 4695. <https://doi.org/10.3390/molecules28124695>

68. Fernández, K.; Llanquileo, A.; Bustos, M.; Aedo, V.; Ruiz, I.; Carrasco, S.; Tapia, M.; Pereira, M.; Meléndrez, M.F.; Aguayo, C.; Atanase, L.I. Self-Assembled CNF/rGO/Tannin Composite: Study of the Physicochemical and Wound Healing Properties. *Polymers*. (IF = 5.0) **2023**, 15, 2752. <https://doi.org/10.3390/polym15122752>

67. Rata, D.M.; Cadinoiu, A.N.; Daraba, O.M.; Gradinaru, L.M.; Atanase, L.I.; Ichim, D.L. Influence of ZnO Nanoparticles on the Properties of Ibuprofen-Loaded Alginate-Based Biocomposite Hydrogels with Potential Antimicrobial and Anti-Inflammatory Effects. *Pharmaceutics* (IF = 5.4) **2023**, 15, 2240. <https://doi.org/10.3390/pharmaceutics15092240>

66. Babutan, I.; Todor-Boer, O.; Atanase, L.I.; Vulpoi, A.; Botiz, I. Crystallization of Poly(ethylene oxide)-Based Triblock Copolymers in Films Swollen-Rich in Solvent Vapors. *Coatings* (IF = 3.236) **2023**, 13, 918. <https://doi.org/10.3390/coatings13050918>

65. Rahmani, F.; Larbi Bouamrane, O.; Ben Bouabdallah, A.; Atanase, L.I.; Hellal, A.;

- Apintiliese, A.N. Biomimetic Hydroxyapatite Crystals Growth on Phosphorylated Chitosan Films by In Vitro Mineralization Used as Dental Substitute Materials. *Polymers* (IF = 4.967) **2023**, 15, 2470. <https://doi.org/10.3390/polym15112470>
64. Babutan, I.; Todor-Boer, O.; Atanase, L.I.; Vulpoi, A.; Simion, S.; Botiz, I. Self-assembly of block copolymers on surfaces exposed to space-confined solvent vapor annealing. *Polymer* (IF = 4.432), **2023**, 273, 125881. <https://doi.org/10.1016/j.polymer.2023.125881>
63. Babutan, I.; Todor-Boer, O.; Atanase, L.I.; Vulpoi, A.; Botiz, I. Self-Assembly of Block Copolymers in Thin Films Swollen-Rich in Solvent Vapors. *Polymers* (IF = 4.967), **2023**, 15, 1900. <https://doi.org/10.3390/polym15081900>
62. Ragoubi, M.; Lecoublet, M.; Khennache, M.; Atanase, L.I.; Poilane, C.; Leblanc, N. How Retting Could Affect the Mechanical Behavior of Flax/Epoxy Biocomposite Materials? *Materials* (IF = 3.748) **2023**, 16, 2929. <https://doi.org/10.3390/ma16072929>
61. Sánchez-Cervino, M.C.; Fuioga, C.P.; Atanase, L.I.; Abraham, G.A.; Rivero, G. Electrohydrodynamic Techniques for the Manufacture and/or Immobilization of Vesicles. *Polymers* (IF = 4.967) **2023**, 15, 795. <https://doi.org/10.3390/polym15040795>
60. Ponjavic, M.; Malagurski, I.; Lazic, J.; Jeremic, S.; Pavlovic, V.; Prlainovic, N.; Maksimovic, V.; Cosovic, V.; Atanase, L.I.; Freitas, F.; Matos, M.; Nikodinovic-Runic, J. Advancing PHBV Biomedical Potential with the Incorporation of Bacterial Biopigment Prodigiosin. *Int. J. Mol. Sci.* (IF = 6.208) **2023**, 24, 1906. <https://doi.org/10.3390/ijms24031906>
59. Riaz, T.; Gull, N.; Islam, A.; Dilshad, M.R.; Atanase, L.I.; Delaite, C. Needleless electrospinning of poly (ϵ -caprolactone) nanofibers deposited on gelatin film for controlled release of Ibuprofen. *Chem. Pap.* (IF = 2.146), **2023**, 1-13. <https://doi.org/10.1007/s11696-022-02655-6>
58. Hlavatovičová, E.; Fernandez-Alvarez, R.; Byš, K.; Kerešice, S.; Mandal, T.K.; Atanase, L.I.; Štěpánek, M.; Uchman, M. Stimuli-Responsive Triblock Terpolymer Conversion into Multi-Stimuli-Responsive Micelles with Dynamic Covalent Bonds for Drug Delivery through a Quick and Controllable Post-Polymerization Reaction. *Pharmaceutics* (IF = 6.525), **2023**, 15, 288. <https://doi.org/10.3390/pharmaceutics15010288>
57. Tazibt, N.; Kaci, M.; Dehouche, N.; Ragoubi, M.; Atanase, L.I. Effect of Filler Content on the Morphology and Physical Properties of Poly(Lactic Acid)-Hydroxyapatite Composites. *Materials* (IF = 3.748), **2023**, 16, 809. <https://doi.org/10.3390/ma16020809>
56. Dzhuzha, A.Y.; Tarasenko, I.I.; Atanase, L.I.; Lavrentieva, A.; Korzhikova-Vlakh, E.G. Amphiphilic Polypeptides Obtained by the Post-Polymerization Modification of Poly(Glutamic Acid) and Their Evaluation as Delivery Systems for Hydrophobic Drugs. *Int. J. Mol. Sci.* (IF = 6.208), **2023**, 24, 1049. <https://doi.org/10.3390/ijms24021049>
55. T. Riaz, N. Khenoussi, D.M. Rata, L.I. Atanase, D.C. Adolphe, C. Delaite. "Blend electrospinning of poly(ϵ -caprolactone) and poly(ethylene glycol-400) nanofibers loaded with Ibuprofen as a potential drug delivery system for wound dressings". *AUTEX Research Journal* (IF = 1.944) **2023**, 1, 66-76. <https://doi.org/10.2478/aut-2021-0017>
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Proiecte de cercetare	16. Director proiect PCE: PN-IV-P1-PCE-2023-0588: <i>Sisteme polimerice complexe cu actiune antimicrobiana pe baza de poliesteri biodegradabili.</i> (UEFISCDI, 2025-2027, 1 200 000 lei). 15. Mentor – Proiect postdoctoral PN-III-P1-1.1-PD-2021-0041: “<i>Composite hydrogels containing nanofibers with antimicrobial activity for the healing of burn wounds</i>” (UEFISCDI; 2022-2024; 250 000 lei) 14. Membru - COFUND-LEAP-RE-NANOSOLARCELL: „<i>Integration of photonic conversion layers based on photoemissive nanostructured materials for improving sunlight harvesting ability of solar cells</i>” (UEFISCDI; 2022-2024; 866 250 lei) 13. Membru proiect IDEI: PN-III-P4-ID-PCE-2020-2009: „<i>Dual active targeting carriers for the treatment of pulmonary infections based on drug loaded peptides-functionalized polymeric nano/microparticles</i>” (UEFISCDI; 2021-2024; 1 200 000 lei). 12. Coordonator proiect: JINR Dubna, Rusia-Romania: „<i>Investigation by scattering techniques of drug loaded polymeric nanoparticles</i>” (2021-2022; 2 500 USD) 11. Director proiect bilateral Romania – Wallonia, Belgia: PN-III-CEI-BIM-PBE-2020-0007: „<i>Continuous flow preparation of biocompatible and biodegradable particles for the controlled release of a drug</i>” (UEFISCDI; 2021-2022; 28 080 lei) 10. Director proiect tinere echipe (TE) PN-III-P1-1.1-TE-2019-0664: “<i>Design and "in vitro" assessment of novel biocompatible and biodegradable polyester block copolymers based on poly(ethylene adipate) and poly(ε-caprolactone) as drug delivery systems</i>” (UEFISCDI; 2020-2022; 431 800 lei) 9. Key person – membru: proiect colaborativ Romania-Norvegia RO-NO-2019-0187: “<i>Active targeted drug delivery systems based on peptide-functionalized magnetic nanoparticles for the treatment of inner ear diseases</i>” (UEFISCDI; 2020-2023; 1 200 000 euro) 8. Coordinator grant: JINR Dubna, Rusia-Romania: „<i>Preparation and characterization of liposomes loaded with antimicrobial natural-based active principles</i>” (2020-2021; 2 000 USD) 7. Coordinator proiect: JINR Dubna, Rusia-Romania: “<i>Investigation by scattering techniques of the structural changes of some nanosized drug delivery systems upon encapsulation of different active principles</i>” (2019-2020; 1 500 USD) 6. Director proiect tinere echipe: PN-III-P1-1.1-TE-2016-0532: “<i>Biomaterials obtained from non-aqueous and drug-loaded emulsions</i>” (UEFISCDI; 2018-2020; 450 000 lei) 5. Membru proiect IDEI: PN-III-P4-ID-PCE-2016-0613: „<i>Topical nanoparticle formulations with aptamer for the treatment of basal cell carcinoma</i>” (UEFISCDI; 2017-2019; 850 000 lei) 4. Director proiect mobilitate Romania-Norvegia (2018; 1 200 euro) 3. Coordonator proiect bilateral Romania – Wallonia, Belgia PN-III-P3-3.1-PM-RO-

	BE-2016-0030: „Nanoparticles based on chitosan functionalized with aptamer for targeting tumor cells” (UEFISCDI; 2017-2018; 23 400 lei) 2. Director proiect intern Universitatea “Apollonia”: “Nanoparticulate systems based on poly(2-vinyl pyridine)-poly(ethylene oxide) copolymers loaded with active substances for biomedical applications” (2016-2018) 1. Director proiect intern Universitatea “Apollonia”: “Synthesis and characterization of poly(mircen)-b-poly (itaconic acid) copolymers: Cosmetic and Biomedical Applications” (2015-2016)
Profesor invitat	2025 – Universitatea din Concepcion, Chile 2024 – Universitatea Sorbonne, Paris, Franta 2024 – Universitatea din Sfax, Sfax, Tunisia 2024 – Universitatea din Mauritius 2024 – Universitatea Anahuac, Cancun, Mexic 2023 – Universitatea Cadi Ayyad, Marrakech, Maroc 2023 – Universitatea New South Wales, Melbourne, Sidney, Australia 2018, 2019, 2020, 2021, 2022, 2023 –Université de Haute Alsace, Mulhouse, Franta 2016 –Université de Pau, Pau, Franta
Activitati Scoala Doctorala	Teze de abilitare: presedinte comisie - Universitatea Haute Alsace, Mulhouse, Franta: 2 Teze de doctorat: membru comisie - Universitatea Tehnica Gheorghe Asachi din Iasi: 3 - Universitatea de Medicina si Farmacie Grigore T. Popa, Iasi: 1 - Universitatea Babes-Bolyai, Cluj Napoca, Romania: 1 - Universitatea Haute Alsace, Mulhouse, Franta: 1 - Universitatea de Stat a Moldovei, Chisinau, Moldova: 1 - Universitatea Abdelhamid Ibn Badis, Mostaganem, Algeria: 2 Teze de doctorat: referent oficial - Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology, Chennai, Tamil Nadu, India: 1 Studenti doctoranzi: 5
Reviewer-referent	ACS Applied Materials&Interfaces (IF = 8.097); ACS MacroLetters (IF = 6.131); Macromolecules (IF = 5.914); Journal of Colloids and Interface Science (IF = 5.09); Journal of Molecular Liquids (IF = 4.513); Applied Surface Science (IF = 4.439); Industrial&Engineering Chemistry Research (IF = 3.14); Polymers (IF = 2.935); Colloid and Surfaces A (IF = 2.829); Materials (IF = 2.728); Journal of Applied Polymer Science (IF = 1.9); Asia-Pacific Journal of Chemical Engineering (IF = 1.238); ACS Omega
Membru	“International Polymer Colloid Group” (IPCG) “Societatea Română de Chimie” (SChR) “Societatea Română de Biomateriale” (SRB) Comitetul de organizare al Congresului International al Universității Apollonia din Iași (2017-2023) Comitetul de organizare al 2nd World Summit and Expo on Polymers and Composite Materials (WSEPCM - 2025) IAAM Romanian Council
Editor invitat	Polymers (IF = 3.426) ; Polymer International (IF = 2.352); Molecules (IF = 3.060); International Journal of Molecular Science (IF = 4.183) Nanomaterials (IF = 5.076)
Editorial board	“Polymers” “International Journal of Medical Dentistry”, “Nanoparticles Journal” “Applied Chemistry” “Discover Polymers”

	"BME Horizon" „Journal of Polymer Science and Engineering”
Premii si onoruri	2003 – Premiul întâi “Inorganic Chemistry Competition”, Facultatea de Chimie Industrială, Iasi, Romania 2009 - Second place, Les Doctoriales d’Alsace, Mittelwihr, France
Citări	Google Scholar : 2933 Scopus : 2685
H-index	Google Scholar : 31 Scopus : 26

