INFORMAŢII PERSONALE

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Top 2% World Scientists elaborated by Elsevier and Stanford University

Sexul M | Data naşterii [redacted] Naţionalitatea Română

EXPERIENŢA PROFESIONALĂ

2023 - prezent — **Expert naţional în cadrul Corpului de experți înscriși în Registrul Naţional al Experţilor pentru certificarea activității de cercetare-dezvoltare (REXCD)**

- Certificarea la nivel naţional a activităţii de cercetare & dezvoltare în domeniul materialelor funcţionale avansate (OMCID nr. 20242/2023)

2021 - prezent — **Academia Oamenilor de Ştiinţă (AOSR)** - membru asociat

2021 - prezent — **Conducător de Doctorat – domeniul Inginerie chimică**

➢ **Facultatea de Inginerie Chimica si Protecția Mediului „Cristofor Simionescu", Universitatea Tehnica „Gheorghe Asachi", Iași**

- coordonare cercetări studenţi doctoranzi – 5 studenţi înscrişi

➢ **Învățământ superior şi cercetare ştiinţifică**

Septembrie 2018-mai 2023 — **Decan al Facultăţii de Medicină Dentară**

➢ **Universitatea „Apollonia", str. Păcurari, nr. 11, Iași, România**

- coordonarea activității didactice şi de cercetare din cadrul Facultăţii de Medicină Dentară
- dezvoltarea relaţiilor naţionale şi internaţionale ale Facultăţii de Medicină Dentară
- coordonarea şi organizarea activităților practice ale studenților Facultăţii de Medicină Dentară
- organizarea manifestărilor ştiinţifice din cadrul facultăţii

➢ **Învățământ superior; management educaţional.**

Martie-septembrie 2018 — **Prodecan al Facultăţii de Medicină Dentară**

➢ **Universitatea „Apollonia", str. Păcurari, nr. 11, Iași, România**

- coordonarea activităţi de evaluare periodică a cadrelor didactice
- coordonarea activităţi didactice

➢ **Învățământ superior; management educaţional.**

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 şi depunerea proiectelor de mobilitate in cadrul programele KA103/KA131 şi KA107/KA171
- identificarea şi monitorizarea oportunităţilor de parteneriate cu universităţi din UE si non-UE.
- organizarea unor seminarii de informare a studenţilor şi cadrelor didactice
- coordonarea mobilităţilor Erasmus+ incoming şi outgoing la nivel de universitate

➢ **Învățământ superior; management educaţional.**

2018 - 2023 — **Coordonator Laborator Biomateriale**

➢ **Universitatea „Apollonia", str. Păcurari, nr. 11, Iași, România**

- coordonarea activităţi de cercetare în domeniul materialelor cu aplicaţii biomedicale
- scrierea şi depunerea unor propuneri de proiect din cadrul competiţiilor naţionale şi internaţionale
- dezvoltarea relaţiilor de colaborare ştiinţifică la nivel naţional şi internaţional
- coordonarea activităţi de cercetare a studenţilor

➢ **Învățământ superior şi cercetare ştiinţifică**

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 şi LP: Materiale dentare; Chimia materialelor dentare; Biomateriale; Nanomateriale
- activităţi de cercetare în domeniul biomedical: sisteme micelare şi coloidale, sinteza copolimerilor, sisteme de eliberare controlată a principiilor active

➢ **Învățământ superior şi cercetare ştiinţifică**

2015 - 2017 **Conferenţiar asociat**

➢ **Universitatea „Apollonia", str. Păcurari, nr. 11, Iași, România**

- titular cursuri şi LP: Materiale dentare; Chimia materialelor dentare; Biomateriale; Nanomateriale
- activitate de cercetare

➢ **Învățământ superior şi cercetare ştiinţifică**

2014 - 2015 **Inginer cercetare dezvoltare**

➢ **Aquitaine Science Transfert, Pessac, Franța**

- activităţi 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, Franţa
- încadrarea si coordonarea studenților de la master şi licența.

➢ **Învățământ superior şi cercetare ştiinţifică**

2010 - 2013 **Cercetător universitar**

➢ **Université de Haute Alsace, Mulhouse, Franța**

- activităţi de cercetare în domeniul chimiei macromoleculare
- publicarea de articole în reviste cu factor de impact ISI
- încadrarea si coordonarea studenților de la master şi licența.

➢ **Învățământ superior şi cercetare ştiinţifică**

EDUCAŢIE ŞI FORMARE

2021-2023 **Master: Comunicare instituţională**

➢ **Universitatea „Apollonia", Iași, România**

2019-2021 **Master: Managementul şi administrarea afacerilor**

➢ **Universitatea Tehnica „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 Superieure de Chimie (ENSCMu), Université de Haute Alsace, Mulhouse, Franța**

- Abilităţi şi aptitudini necesare lucrului într-un mediu multicultural cu studenţi de diferite nationalităţi,
- pregătirea şi planificarea, împreuna cu profesorul titular, a subiectelor şi temelor de cercetare,
- susţinerea de seminarii şi conferinţe în prezenţa membrilor laboratorului, dar şi a partenerilor din industrie.

2005 – 2006 **Master de cercetare în chimie macromoleculară**

➢ **Ecole Nationale Superieure de Chimie (ENSCMu), Université de Haute Alsace, Mulhouse, Franța**

- sinteza compuşilor macromoleculari prin fotopolimerizare,
- caracterizarea moleculara şi coloidală a polimerilor.

2000 – 2005 **Inginer chimist diplomat**

➢ **Facultatea de Chimie Industrială, Universitatea Tehnica „Gheorghe Asachi", Iași, România**

- sinteza şi tehnologia compuşilor macromoleculari,
- fizico-chimia polimerilor.

1996 – 2000 **Bacalaureat**

➢ **Grup Şcolar 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 conversaţie	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

Competenţe de comunicare

- Capacitate de analiză şi sinteză obţinute în urma redactării a numeroase rapoarte de cercetare, articole de revistă şi lucrări ştiinţifice.
- Iniţiativă în dezvoltarea unor noi domenii de cercetare, introducerea de discipline noi în planurile de învăţământ.
- Bune abilităţi de comunicare interpersonală dobândite în urma studiilor post-universitare, a activităţii de lucru cu studenţii, dar şi a participării la numeroase conferinţe naţionale şi internaţionale, jurii de doctorat şi abilitare.

Competenţe organizaţionale/manageriale

- Leadership dobândit ca director a mai multor proiecte de cercetare naţionale şi internaţionale, dar şi în calitate de coordonator al Facultăţii de Medicină Dentară, a Biroului Erasmus+ şi a Laboratorului de Biomateriale.
- Munca în echipă realizată în cadrul proiectelor de cercetare şi în mediul academic.
- Profesionalism în managementul educaţional.
- Bune abilităţi de planificare: organizarea secţiunii de Biomateriale avansate din cadrul Congresului internaţional al Universităţii Apollonia din Iaşi.

Competenţe dobândite la locul de muncă

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

Alte competenţe

- Microsoft Office,
- Internet Explorer.
- ChemDraw
- >300 participări la conferinţe naţionale şi internaţionale
- Gătit, înot, fotbal

Permis de conducere: B

INFORMATII SUPLIMENTARE

Articole ISI

98. Fuioaga, P.C.; Rata, D.M.; Riaz, T.; Rivero, G.; Abraham, G.A.; Atanase, L.I. Composite Hydrogels with Embedded Electrospun Fibers as Drug Delivery Systems. *Gels* **(IF=5.3) 2025**, *11*, 826. https://doi.org/10.3390/gels11100826

97. Schuller, A.S.; Girault, E.; Amdouni, S.; Atanase, L.I.; Horhogea, C.E.; Leclinche, F.; Delaite, C. Optimization of the electrospinning process to create an active bilayer nanostructured wound dressing based on PLA and Ibuprofen. *J. Appl. Polym. Sci.* **(IF=2.8) 2025**, 142, e57726. https://doi.org/10.1002/app.57726

96. El Yousfi, R., Farcas, E., Atanase, L.I., Delaite, C., Achalhi, N., Belkadi, M.C., El Idrissi, A. Interaction-driven thermodynamic sol-gel mechanisms and gelation behavior of PEG-based multi-branched PCL copolymers toward injectable biodegradable hydrogels. *J. Mol. Liq.* **(IF = 5.2)**, **2025**, 437, 128322.

95. Losetty, V., Lakkaboyana, S.K., Chappidi, H.Y., Venkateswarlu, K., Trilaksana, H., Koduru, J.R., Yuzir, A., Atanase, L.I., Seepana, P.K., Knani, S. Transformative Applications of Polymer-Based Metal Oxide Nanocomposites in Medicine, Industry, and Environmental Remediation: A Review. *J. Inorg. Organomet. Polym.***(IF = 4.9) 2025**.

94. Cadinoiu, A.N., Rata, D.M., Atanase, L.I., Ichim, D.L., Gherghel, D., Condriuc, I.P., Mihai, C.T., Popa, M., Jerome, C., Calin (Mihalache), G. Physicochemical characterization and in vitro evaluation of peptide-functionalized microspheres based on carboxymethyl chitosan and poly(vinyl alcohol) as promising pulmonary drug delivery system. *ACS Appl. Mater. Today*, (**IF = 7.2**) **2025**, 44, 102778. https://doi.org/10.1016/j.apmt.2025.102778

93. El Yousfi, R., Atanase, L.I., Makaoui, A., Achalhi, N., Belkadi, M.C., Dalli, M., El Idrissi, A. Enhanced Quercitin 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., Fuioaga, 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.; Horhogea, 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.; Zgârian, 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 Hydrotermaly Activated TiO_2 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., Mangaleshwaran, 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. Raţă, D.M.; Cadinoiu, A.N.; Grădinaru, L.M.; Fuioaga, 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.; Raţă, D.M.; Atanase, L.I.; Vochiţa, 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**, 63, 5328-5341. https://doi.org/10.1002/pol.20240268

77. Vochița, G.; Cadinoiu, A.N.; Rață, D.-M.; Atanase, L.I.; Popa, M.; Mahdieh, A.; Mihai, C.-T.; Stache, A.-B.; Moldovan, C.-V.; Băcăiţă, 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

75. Ali, M.; Mir, S.; Atanase, L.I.; Abid, O.U.R.; Kazi, M. Chitosan-PVA-PVP/nano-clay composite: a promising tool for controlled drug delivery. *RSC Adv.* (**IF = 3.9**) **2024**, 14, 15777-15790. https://doi.org/10.1039/D4RA02959C

74. Herman, H.; Rata, D.M.; Cadinoiu, A.N.; Atanase, L.I.; Hermenean, A. Colloidal and Biological Characterization of Dual Drug-Loaded Smart Micellar Systems. *Polymers* . (**IF = 5.0**) **2024**, *16*, 1189. https://doi.org/10.3390/polym16091189

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

70. Rață DM, Cadinoiu AN, Atanase LI, Calin G, Popa M. Design and characterization of dexamethasone phosphate -loaded microcapsules obtained by a double-emulsion method. *Int. J. Pharm.* (**IF = 6.51**) **2023**, *639*,

122971.https://doi.org/10.1016/j.ijpharm.2023.122971
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.; Apintiliesei, 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-Cerviño, M.C.; Fuioaga, 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
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Brevete	*"Amphiphilic Acrylic Copolymers, Preparation Method, And Transparent Fragrance Product"* Alves Marie-Hélène [Fr]; Save Maud [Fr]; Billon Laurent [Fr]; Gombart Emilie [Fr]; Tranchant Jean-François [Fr]; Atanase Léonard I [Ro] Lvmh Rech [Fr]; Univ Pau Et Des Pays De L'Adour [Fr]; Centre Nat Rech Scient [Fr] Number : WO2016059349, **2016**
Proiecte de cercetare	**18. Director proiect TRANSCAN 3 –** *„Intraoperative tumour sequencing for personalized loco-regional drug combination therapy against glioblastoma recurrences"* (UEFISCDI, 2025-2028, 999 570 lei). **Coordonator**: Istituto per lo Studio, la Prevenzione e la Rete Oncologica (ISPRO), Siena, Italia **Parteneri**: - Consiglio Nazionale delle Ricerche (CNR), Pisa, Italia - University of Salamanca, Spania - IIS Hospital Del Mar Medical Research Institute (IMIM), Barcelona, Spania - Sorbonne University, Paris, Franta **17. Membru proiect,** Proiect Experimental Demonstrativ (PED) **PN-IV-P7-7.1-PED-2024-1065**:*„Microparticule biocompozite functionalizate cu peptide pentru managementul terapeutic al infectiilor pulmonare"*, (UEFISCDI, 2025 – 2027, 745 000 lei) **Partener:** - Laboratoarele Praxis **16. Director proiect PCE: PN-IV-P1-PCE-2023-0588**: *Sisteme polimerice complexe cu actiune antimicrobiana pe baza de poliesteri biodegradabili.* (UEFISCDI, 2025-2027, 1 200 000 lei). **15. Mentor –** Proiect postdoctoral **PN-III-P1-1.1-PD-2021-0041**: *"Composite hydrogels containing nanofibers with antimicrobial activity for the healing of burn wounds"* (UEFISCDI; 2022-2024; 250 000 lei) **14. Membru - COFUND-LEAP-RE-NANOSOLARCELL**: *„Integration of photonic conversion layers based on photoemissive nanostructured materials for improving sunlight harvesting ability of solar cells*" (UEFISCDI; 2022-2024; 866 250 lei) **13. Membru** proiect IDEI: **PN-III-P4-ID-PCE-2020-2009**: *„Dual active targeting carriers for the*

	treatment of pulmonary infections based on drug loaded peptides-functionalized polymeric nano/microparticles" (UEFISCDI; 2021-2024; 1 200 000 lei). **12. Coordonator proiect**: JINR Dubna, Rusia-Romania: "*„Investigation by scattering techniques of drug loaded polymeric nanoparticles""* (2021-2022; 2 500 USD) **11. Director** proiect bilateral Romania – Wallonia, Belgia: **PN-III-CEI-BIM-PBE-2020-0007**: „*Continuous flow preparation of biocompatible and biodegradable particles for the controlled release of a drug*" (UEFISCDI; 2021-2022; 28 080 lei) **10. Director** proiect tinere echipe (TE) **PN-III-P1-1.1-TE-2019-0664**: *"Design and "in vitro" assessment of novel biocompatible and biodegradable polyester block copolymers based on poly(ethylene adipate) and poly(Ɛ-caprolactone) as drug delivery systems"* (UEFISCDI; 2020-2022; 431 800 lei) **9. Key person** – membru: proiect colaborativ Romania-Norvegia **RO-NO-2019-0187:** *"Active targeted drug delivery systems based on peptide-functionalized magnetic nanoparticles for the treatment of inner ear diseases"* (UEFISCDI; 2020-2023; 1 200 000 euro) **8. Coordinator** grant: JINR Dubna, Rusia-Romania: „*Preparation and characterization of liposomes loaded with antimicrobial natural-based active principles"* (2020-2021; 2 000 USD) **7. Coordinator** proiect: JINR Dubna, Rusia-Romania: "*Investigation by scattering techniques of the structural changes of some nanosized drug delivery systems upon encapsulation of different active principles"* (2019-2020; 1 500 USD) **6. Director** proiect tinere echipe: **PN-III-P1-1.1-TE-2016-0532**: "*Biomaterials obtained from non-aqueous and drug-loaded emulsions*" (UEFISCDI; 2018-2020; 450 000 lei) **5. Membru** proiect IDEI: **PN-III-P4-ID-PCE-2016-0613**: „*Topical nanoparticle formulations with aptamer for the treatment of basal cell carcinoma*" (UEFISCDI; 2017-2019; 850 000 lei) **4. Director** proiect mobilitate Romania-Norvegia (2018; 1 200 euro) **3. Coordinator** 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 Haute Alsace, Mulhouse, Franta: 1 - Universitatea de Stat a Moldovei, Chisinau, Moldova: 1 - Universitatea Babes-Bolyai, Cluj Napoca, Romania: 2 - University of Sfax, Tunisia: 1 - Institutul de Chimie Macromoleculara Petru Poni din Iasi: 1

	Teze de doctorat: referent oficial - Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology, Chennai, Tamil Nadu, India: 3 **Studenti doctoranzi**: 8
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 Universităţii Apollonia din Iaşi (2017-2023) Comitetul de organizare al 2nd World Summit and Expo on Polymers and Composite Materials, Tokyo, Japonia, 2025, (https://polymers.scientificsummits.org/organizers) 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 : **3234** Scopus : **2787**
H-index	Google Scholar : **30** Scopus : 27