## INFORMAŢII PERSONALE

# ATANASE LEONARD-IONUŢ

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**Top 2% World Scientists elaborated by Elsevier and Stanford University**

Sexul M | Data naşterii 09/03/1982 | 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 activităţii de evaluare periodică a cadrelor didactice
- coordonarea activităţii 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 activităţii 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 activităţii 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
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**Brevete**

*"Amphiphilic Acrylic Copolymers, Preparation Method, And Transparent Fragrance Product"*
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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*

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| | *treatment of pulmonary infections based on drug loaded peptides-functionalized polymeric nano/microparticles*" (UEFISCDI; 2021-2024; 1 200 000 lei).<br>**12. Coordonator proiect**: JINR Dubna, Rusia-Romania: "*„Investigation by scattering techniques of drug loaded polymeric nanoparticles""* (2021-2022; 2 500 USD)<br>**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)<br>**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)<br>**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)<br>**8. Coordinator** grant: JINR Dubna, Rusia-Romania: „*Preparation and characterization of liposomes loaded with antimicrobial natural-based active principles"* (2020-2021; 2 000 USD)<br>**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)<br>**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)<br>**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)<br>**4. Director** proiect mobilitate Romania-Norvegia (2018; 1 200 euro)<br>**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)<br>**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)<br>**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<br>2024 – Universitatea Sorbonne, Paris, Franta<br>2024 – Universitatea din Sfax, Sfax, Tunisia<br>2024 – Universitatea din Mauritius<br>2024 – Universitatea Anahuac, Cancun, Mexic<br>2023 – Universitatea Cadi Ayyad, Marrakech, Maroc<br>2023 – Universitatea New South Wales, Melbourne, Sidney, Australia<br>2018, 2019, 2020, 2021, 2022, 2023 –Université de Haute Alsace, Mulhouse, Franta<br>2016 –Université de Pau, Pau, Franta |
| Activitati Scoala Doctorala | **Teze de abilitare**: presedinte comisie<br>- Universitatea Haute Alsace, Mulhouse, Franta: 2<br>**Teze de doctorat**: membru comisie<br>- Universitatea Tehnica Gheorghe Asachi din Iasi: 3<br>- Universitatea de Medicina si Farmacie Grigore T. Popa, Iasi: 1<br>- Universitatea Haute Alsace, Mulhouse, Franta: 1<br>- Universitatea de Stat a Moldovei, Chisinau, Moldova: 1<br>- Universitatea Babes-Bolyai, Cluj Napoca, Romania: 2<br>- University of Sfax, Tunisia: 1<br>- Institutul de Chimie Macromoleculara Petru Poni din Iasi: 1 |

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| | **Teze de doctorat**: referent oficial<br>- Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology, Chennai, Tamil Nadu, India: 2<br>**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)<br>"Societatea Română de Chimie" (SChR)<br>"Societatea Română de Biomateriale" (SRB)<br>Comitetul de organizare al Congresului International al Universităţii Apollonia din Iaşi (2017-2023)<br>Comitetul de organizare al 2nd World Summit and Expo on Polymers and Composite Materials, Tokyo, Japonia, 2025, (https://polymers.scientificsummits.org/organizers)<br>IAAM Romanian Council |
| Editor invitat | Polymers (IF = 3.426) ;<br>Polymer International (IF = 2.352);<br>Molecules (IF = 3.060);<br>International Journal of Molecular Science (IF = 4.183)<br>Nanomaterials (IF = 5.076) |
| Editorial board | "Polymers"<br>"International Journal of Medical Dentistry",<br>"Nanoparticles Journal"<br>"Applied Chemistry"<br>"Discover Polymers"<br>"BME Horizon"<br>„Journal of Polymer Science and Engineering" |
| Premii si onoruri | 2003 – Premiul întâi "Inorganic Chemistry Competition", Facultatea de Chimie Industrială, Iasi, Romania<br>2009 - Second place, Les Doctoriales d'Alsace, Mittelwihr, France |
| Citări | Google Scholar : **3234**<br>Scopus : **2787** |
| H-index | Google Scholar : **30**<br>Scopus : 27 |