



### Informații personale

Nume / Prenume **Atanase Leonard Ionut**  
Adresă Str. Prof. A. Sesan, Nr. 20, Bl.13, Ap.4, et. I, Iasi, Romania  
Telefon 0741 686 687  
E-mail leonard.atanase@yahoo.com  
Naționalitate Romana  
Data nașterii 9 martie 1982  
Sex Masculin

### Experiența profesională

Perioada	<b>Iunie 2017-prezent</b>
Funcția sau postul ocupat	<b>Decan al Facultatii de Medicina Dentara – Universitatea „Apollonia” din Iasi</b> <b>Profesor titular habilitat</b> (Comisia de inginerie chimică, inginerie medicală, știința materialelor și nanomateriale) <b>Conducator de Doctorat– Facultatea de Inginerie Chimica si Protectia Mediului „Cristofor Simionescu”, Universitatea Tehnica „Gh. Asachi”, Iasi</b>
Activități și responsabilități principale	-titular cursuri si LP: Materiale dentare; Chimia materialelor dentare; Biomateriale; Nanomateriale -coordonarea activitatii didactice din cadrul Facultatii de Medicina Dentara -coordonarea si organizarea activitatilor practice ale studentilor Facultatii de Medicina Dentara -activitati de cercetare in domeniul biomedical
Numele și adresa angajatorului	Universitatea „Apollonia”, str. Pacurari, nr.11, Iasi, Romania
Tipul activității sau sectorul de activitate	Invatamant si cercetare
Perioada	<b>2018-prezent</b>
Funcția sau postul ocupat	<b>Coordonatorul Biroului Erasmus+</b>
Activități și responsabilități principale	-obținerea cartei ERASMUS si implementarea programului ERASMUS+ in Universitatea „Apollonia” din Iasi prin depunerea proiectelor de mobilitate in cadrul programele KA103 si KA107 -stabilirea de parteneriate cu universitati din Franta, Belgia, Norvegia, Islanda, Argentina, Mauritius, Maroc, Egipt, Algeria, Tunisia, Cambogia, Vietnam, Grecia, Brazilia, Turcia, Moldova, Ucraina.
Numele și adresa angajatorului	Universitatea „Apollonia”, str. Pacurari, nr.11, Iasi, Romania
Perioada	<b>Decembrie 2015-Iunie 2017</b>
Funcția sau postul ocupat	<b>Conferentiar asociat</b>
Activități și responsabilități principale	-activitati pedagogice in cadrul Facultatii de Medicina Dentara -coordonarea si organizarea activitatilor practice ale studentilor Facultatii de Medicina Dentara -activitati de cercetare in domeniul biomedical
Numele și adresa angajatorului	Universitatea „Apollonia”, str. Pacurari, nr.11, Iasi, Romania
Tipul activității sau sectorul de activitate	Invatamant si cercetare
Perioada	<b>Noiembrie 2014-Decembrie 2015</b>
Funcția sau postul ocupat	<b>Inginer dezvoltare</b>

Activități și responsabilități principale	- activitati de cercetare in domeniul chimiei macromoleculare cu aplicatii in cosmetica, - publicarea de articole in reviste cu factor de impact ISI, - dezvoltarea unui brevet. - incadrarea si coordonarea studentilor de la master si licenta.
Numele și adresa angajatorului	Aquitaine Science Transfert, 162, avenue du Docteur Albert Schweitzer, Pessac, Franta
Tipul activității sau sectorul de activitate	Cercetare si dezvoltare industriala
Perioada	<b>Iulie 2010-Martie 2013</b>
Funcția sau postul ocupat	<b>Cercetator universitar</b>
Activități și responsabilități principale	- activitati de cercetare fundamentala si aplicata in domeniul chimiei macromoleculare, - publicarea de articole in reviste cu factor de impact ISI, - incadrarea si coordonarea studentilor de la master si licenta.
Numele și adresa angajatorului	Université de Haute Alsace, Mulhouse, Franta
Tipul activității sau sectorul de activitate	Invatamant universitar si cercetare
<b>Educație și formare</b>	
Perioada	<b>2021-2023</b>
Calificarea / diploma obținută	<b>Master: Comunicare interinstitițională</b>
Numele și tipul instituției de învățământ	Facultatea de Stiinte ale Comunicarii, Universitatea „Apollonia” din Iasi, Romania
Perioada	<b>2019-2021</b>
Calificarea / diploma obținută	<b>Master: Managementul si administrarea afacerilor</b>
Numele și tipul instituției de învățământ	Facultatea de Design Industrial si Managementul Afacerilor, Universitatea Tehnica „Gh. Asachi” Iasi, Romania
Perioada	<b>Octombrie 2018</b>
Calificarea / diploma obținută	<b>Atestat de abilitare pentru conducere de doctorat in chimia materialelor</b>
Numele și tipul instituției de învățământ	Université de Haute Alsace, Mulhouse, Franta
Perioada	<b>Octombrie 2006 – Mai 2010</b>
Calificarea / diploma obținută	<b>Doctorat in chimia materialelor:</b> „ <i>Contribution à l'étude des complexes Poly(vinyle alcool - vinyle acétate)/tensioactifs anioniques: caractéristiques colloïdales des nanogels et extension aux copolymères à blocs</i> ”
Disciplinele principale studiate / competențe profesionale dobândite	- abilitati si aptitudini necesare lucrului intr-un mediu multicultural cu studenti de diferite nationalitati, - pregatirea si planificarea, impreuna cu profesorul titular, a subiectelor si temelor de cercetare, - sustinerea de seminarii si conferinte in prezenta membrilor laboratorului dar si a partenerilor din Industrie.
Numele și tipul instituției de învățământ	Université de Haute Alsace, Mulhouse, Franta
Perioada	<b>Septembrie 2005 – Iulie 2006</b>
Calificarea / diploma obținută	<b>Master: chimie macromoleculara</b>
Disciplinele principale studiate / competențe profesionale dobândite	- sinteza compusilor macromoleculari prin fotopolimerizare, - caracterizarea moleculara si coloidala a polimerilor.
Numele și tipul instituției de învățământ	Université de Haute Alsace, Mulhouse, Franta
Perioada	<b>Septembrie 2000 – Iulie 2005</b>
Calificarea / diploma obținută	<b>Inginer chimist</b>
Disciplinele principale studiate / competențe profesionale dobândite	- sinteza si tehnologia compusilor macromoleculari, - fizico-chimia polimerilor.
Numele și tipul instituției de învățământ	Universitatea Tehnica „Gh. Asachi”, Facultatea de Chimie Industriala, Iasi, Romania
Perioada	<b>Septembrie 1996 – Iulie 2000</b>
Calificarea / diploma obținută	Bacalaureat
Disciplinele principale studiate / competențe profesionale dobândite	- chimie, - biologie.
Numele și tipul instituției de învățământ	Grup Scolar Industrial de Industrie Alimentara, Roman, Romania

**Aptitudini și competențe personale**

Limba maternă

Limba(i) străină(e) cunoscută(e)

Autoevaluare

Nivel european (\*)

**Franceza****Engleza****Romana**

Înțelegere		Vorbire		Scriere
Ascultare	Citire	Participare la conversație	Discurs oral	Exprimare scrisă
C1	C1	C1	C1	C1
B1	B1	B1	B1	C2

(\*) Nivelul Cadrului European Comun de Referință Pentru Limbi Străine

Competențe și abilități sociale

- Capacitate foarte bună de analiză și sinteză,
- Atenție la detalii,
- Rezistență mare la stres și la presiune generată de termene limită,
- Profesionalism.

Competențe și aptitudini organizatorice

- Capacitate de lucru în echipă,
- Inițiativă,
- Asigurarea și respectarea unui planning.

Competențe și aptitudini tehnice

- Polimerizare radicală controlată Raft-Madix,
- Click-chemistry,
- Prepararea și caracterizarea emulsiilor,
- Caracterizare coloidală,
- Dynamic Light Scattering (DLS),
- Nuclear Magnetic Spectroscopy (NMR),
- Size Exclusion Chromatography (SEC),
- Differential Scanning Calorimetry (DSC),
- Reologie.
- Drug delivery systems
- Polysaccharides

Competențe și aptitudini de utilizare a calculatorului

- Microsoft Office,
- Internet Explorer.

Alte competențe și aptitudini

- Realizarea și coordonarea de colaborări de cercetare cu parteneri industriali.

Permis(e) de conducere

Categororia B

**Informații suplimentare****Articole**

- 54.** L.I. Atanase, S. Salhi, O. Cucoveica, M. Ponjavic, J. Nikodinovic-Runic, C. Delaite. "Biodegradability assessment of polyester copolymers based on poly(ethylene adipate) and poly( $\epsilon$ -caprolactone).", *Polymers* (**IF = 4.967**), 2022, 14, 3736. <https://doi.org/10.3390/polym14183736>
- 53.** M. Yoosofian, E. Ayoubi, L.I. Atanase. "Palladium-Doped Single-Walled Carbon Nanotubes as a New Adsorbent for Detecting and Trapping Volatile Organic Compounds: A First Principle Study", *Nanomaterials* (**IF = 5.076**), 2022, 12(15), 2572. <https://doi.org/10.3390/nano12152572>
- 52.** M.R. (Blanaru) Ozturk, M. Popa, D.M. Rata, A.N. Cadinoiu, F. Parfait, C. Delaite, L.I. Atanase, C. Solcan, O. M. Daraba. „Drug-Loaded Polymeric Micelles Based on Smart Biocompatible Graft Copolymers with Potential Applications for the Treatment of Glaucoma”. *Int. J. Mol. Sci.* (**IF = 6.208**) 2022, 23(16), 9382. <https://doi.org/10.3390/ijms23169382>
- 51.** C. E. Iurciuc (Tincu), M. Popa, L.I. Atanase, O. Popa, L. Ochiuz, P. Postolache, V. Ghizdovat, S.A. Irimiciuc, M. Agop, C. Volovat, S. Volovat. „Multi fractal modeling of curcumin release mechanism from polymeric nanomicelles.” *Drug Deliv.* (**IF = 6.819**) 2022, 29, 2883-2896. <https://doi.org/10.1080/10717544.2022.2118402>
- 50.** C. Popovici, M. Popa, V. Sunel, L.I. Atanase, D.L. Ichim. "Drug delivery systems based on Pluronic micelles with antimicrobial activity". *Polymers* (**IF = 4.967**), 2022, 14, 3007.
- 49.** S.L. Nica, M.F. Zaltariov, D. Pamfil, A. Bargan, D. Rusu, D.M. Rata, C. Gaina, L.I. Atanase.

- “MWCNTs composites-based on new chemically modified polysulfone matrix for biomedical applications.” *Nanomaterials* (IF = 5.076), 2022, 12 (9), 1502.
48. M. Save, M. Le Hallaye, V. de Villedon, I. Adoumaz, M. Pillet, L. Atanase, M. Lahcini, E. Deniau, A. Khoukh, V. Pellerin, I. Ly, V. Dulong, V. Schmitt. “Biosourced polymeric emulsifiers for miniemulsion copolymerization of myrcene and styrene: toward biobased waterborne latex as pickering emulsion stabilizer”. *Biomacromolecules* (IF = 6.988), 2022, 23, 6, 2536-2551.
47. M. Yoosefian, M. Fouladi, L.I. Atanase. “Molecular dynamics simulations of Docetaxel adsorption of graphene quantum dots surface modified by PEG-b-PLA copolymers”, *Nanomaterials* (IF = 5.076), 2022, 12(6), 926.
46. K. Zanoune Dellali, M. Dellali, D.M. Rata, A.N. Cadinoiu, L.I. Atanase, M. Popa, M.C. Spataru, C. Solcan. “Assessment of physicochemical and in vivo biological properties of polymeric nanocapsules based on chitosan and poly(N-vinyl pyrrolidone-alt-itaconic anhydride)”. *Polymers*, (IF = 4.329), 2022, 14 (9), 1811.
45. D.M. Rata, A.N. Cadinoiu, M. Popa, L.I. Atanase, O.M. Daraba, I. Popescu, L.E. Romila, D.L. Ichim. “Biocomposite hydrogels for the treatment of bacterial infections :physicochemical characterization and in vitro assessment”. *Pharmaceutics* (IF = 6.321), 2021, 13, 2079.
44. B. Rabha, K. K. Bharadwaj, S. Pati, B.K. Choudhury, T. Sarkar, Z.A. Kari, H. A. Edinur, D. Baishya, L.I. Atanase. „Development of Polymer-Based Nanoformulations for Glioblastoma Brain Cancer Therapy and Diagnosis: An Update”. *Polymers* (IF= 4.329). 2021, 13, 4114.
43. T. Riaz, N. Khenoussi, D.M. Rata, L.I. Atanase, D.C. Adolphe, C. Delaite. “Blend electrospinning of poly( $\epsilon$ -caprolactone) and poly(ethylene glycol-400) nanofibers loaded with Ibuprofen as a potential drug delivery system for wound dressings”. *AUTEX Research Journal* (IF = 1.0), 2021, *accepted*
42. A.N. Cadinoiu, D.M. Rata, L.I. Atanase, C.T. Mihai, S.E. Bacaita, M. Popa. „Formulations Based on Drug Loaded Aptamer-Conjugated Liposomes as a Viable Strategy for the Topical Treatment of Basal Cell Carcinoma—In Vitro Tests”. *Pharmaceutics* (IF = 4.421) 2021, 13(6), 866.
41. N. Baranov, M. Popa, L.I. Atanase, D.L. Ichim. “Polysaccharide-based drug delivery systems for the treatment of periodontitis”, *Molecules* (IF = 3.267), 2021, 26(9), 2735.
40. C.E. Iurciuc-Tincu, L.I. Atanase, C. Jerome, V. Sol, P. Martin, M. Popa, L. Ochiuz. “Polysaccharides-Based Complex Particles’ Protective Role on the Stability and Bioactivity of Immobilized Curcumin”, *Int. J. Mol. Sci.* (IF = 4.556), 2021, 22, 3075.
39. L.I. Atanase. “Micellar drug delivery systems based on natural biopolymers”, *Polymers*, (IF=3.426), 2021, 13, 477.
38. D.M. Rata, A.N. Cadinoiu, L.I. Atanase, M. Popa, C.T. Mihai, C. Solcan L. Ochiuz, G.Vochita, “Topical formulations containing aptamer-functionalized nanocapsules loaded with 5-fluorouracil - An innovative concept for the skin cancer therapy”, *Mat. Sci. Eng.: C*, (IF= 4.95), 2021, 119, 111591.
37. S. Salhi, J. Mahfoudh, L.I. Atanase, M. Popa, C. Delaite. “Random poly( $\epsilon$ -Caprolactone-L-alanine) by direct melt copolymerization”. *Polym. Int.* (IF=2.574), 2020, 69, 1161-1168.
36. C. Mihalache, D.M. Rata, A.N. Cadinoiu, X. Patras, E.V. Sindilar, S.E. Bacaita, M. Popa, L.I. Atanase, O.M. Daraba. “Bupivacaine-loaded chitosan hydrogels for topical anesthesia in dentistry”. *Polym. Int.* (IF=2.574), 2020, 69, 1152-1160.
35. C.E. Iurciuc-Tincu, L.I. Atanase, L. Ochiuz, C. Jerome, V. Sol, P. Martin, M. Popa. “Curcumin-loaded polysaccharides-based complex particles obtained by polyelectrolyte complexation and ionic gelation. I-particles obtaining and characterization”. *Int. J. Biol. Macromol.* (IF=4.784). 2020, 147, 629-642.
34. C.E. Iurciuc-Tincu, M.S. Cretan, V. Purcar, M. Popa, O.M. Daraba, L.I. Atanase\*, L. Ochiuz. “Drug delivery system based on pH-sensitive biocompatible poly(2-vinyl pyridine)-b-poly(ethylene oxide) nanomicelles loaded with curcumin and 5-Fluorouracil”. *Polymers* (IF = 3.164), 2020, 12, 1450.
33. O.M. Daraba, A.N. Cadinoiu, D.M. Rata, L.I. Atanase\*, G. Vochita. “Antitumoral drug-loaded biocompatible polymeric nanoparticles obtained by non-aqueous emulsion polymerization”, *Polymers* (IF = 3.164), 2020, 12, 1018.
32. A.N. Cadinoiu, D.M. Rata, L.I. Atanase, O.M. Daraba, D. Gherghel, G. Vochita, M. Popa. “Aptamer-functionalized liposomes as a potential treatment for Basal Cell Carcinoma”, *Polymers* (IF = 3.164), 2019, 11, E1515.
31. J. Winninger, D.M. Iurea, L.I. Atanase\*, S. Salhi, C. Delaite, G. Riess. “Micellization of novel biocompatible thermo-sensitive graft copolymers based on poly( $\epsilon$ -caprolactone), poly(N-vinylcaprolactam) and poly(N-vinylpyrrolidone)”, *Eur. Polym. J.* (IF=3.62), 2019, 119, 74-82.
30. L.I. Atanase\*, G. Riess. “Micellization of poly(2-vinylpyridine)-b-poly(cyclohexyl methacrylate) (P2VP-b-PCHMA) block copolymers and their interpolymer complex formation in non-aqueous medium”, *J. Colloid Interface Sci.* (IF = 5.09), 2019, 549, 171-178.
29. D. Rata, A. Cadinoiu, L.-I. Atanase, E. S. Bacaita, C. Mihalache, O. Daraba, M. Popa. “In vitro

behaviour of Aptamer-Functionalized Polymeric Nanocapsules Loaded with 5-Fluorouracil for Targeted Therapy”, *Mat. Sci. Eng. C* (IF=4.95), **2019**, 103, 109828.

28. I.P. Merlusca, C. Ibanescu, C. Tuchilus, M. Danu, L.I. Atanase, I.M. Popa. “Characterization of neomycin-loaded xanthan-chitosan hydrogels for topical applications”. *Cellulose Chem. Technol.* (IF=0.857), **2018**, 53, 709-719.

27. L.I. Atanase\*, G. Riess. „Self-Assembly of block and graft copolymers in organic solvents: An overview of recent advances”, *Polymers* (IF = 2.935), **2018**, 10, 62.

26. C.E. Iurciuc (Tincu), A. Savin, L.I. Atanase, M. Danu, P. Martin, M. Popa, “Encapsulation of *Saccharomyces cerevisiae* in hydrogel particles based gellan ionically cross-linked with zinc acetate”, *Powder Technol.* (IF = 3.230), **2018**, 325, 476-489.

25. L.I. Atanase\*, C. Larraya, F.F. Tranchant, M. Save, “Rational design of tetrahydrogeraniol-based hydrophobically modified poly(acrylic acid) as emulsifier of terpene-in-water transparent nanoemulsions”, *Eur. Polym. J.* (IF = 3.531), **2017**, 94, 248-258.

24. C.E. Iurciuc (Tincu), A. Savin, L.I. Atanase, M. Danu, P. Martin, M. Popa., “Physico-chemical characteristics and fermentative activity of the hydrogel particles based on polysaccharides mixture with yeast cells immobilized, obtained by ionotropic gelation”, *Food Bioprod. Process.* (IF = 2.744), **2017**, 104, 104-123.

23. L.I. Atanase\*, J. Desbrieres, G. Riess, „Micellization of synthetic and polysaccharides-based graft copolymers in aqueous media”, *Prog. Polym. Sci.*(IF = 26.383), **2017**, 73, 32-60.

22. C.E. Iurciuc, C. Peptu, A. Savin, L.I. Atanase, K. Souidi, G. Mackenzie, M. Patrick, G. Riess, M. Popa, “Microencapsulation of baker's yeast in gellan gum beads used in repeated cycles of glucose fermentation”, *Int. J. Polym. Sci* (IF = 1.718)., **2017**, Article ID 7610420.

21. L.I. Atanase\*, J.P. Lerch, S. Caprarescu, C.E. Iurciuc (Tincu), G. Riess, “Micellization of pH-sensitive poly(butadiene)-block-poly(2 vinylpyridine)-block-poly(ethylene oxide) triblock copolymers : Complex formation with anionic surfactants”, *J. Appl. Polym. Sci.* (IF = 1.9), **2017**, 134, 45313-45321.

20. J.P. Lerch, L.I. Atanase\*, G. Riess, “Adsorption of non-ionic ABC triblock copolymers: surface modification of TiO<sub>2</sub> suspensions in aqueous and non-aqueous medium”, *Appl. Surface Sci.* (IF = 4.439), **2017**, 419, 713-719.

19. J.P. Lerch, L.I. Atanase\*, V. Purcar, G. Riess. „Self-aggregation of poly(butadiene)-*b*-poly(2-vinylpyridine)-*b*-poly(ethylene oxide) triblock copolymers in heptane studied by viscometry and dynamic light scattering”, *Comptes Rendu Chimie* (IF = 1.877), **2017**, 20, 724-729.

18. S. Caprarescu, R. Ianchis, A.L. Radu, A. Sarbu, R. Somoghi, B. Trica, E. Alexandrescu, C.I. Spataru, R.C. Fierascu, D. Ion-Ebrasu, S. Preda, L.I. Atanase, D. Donescu, „Synthesis, characterization and efficiency of new organically modified montmorillonite polyethersulfone membranes for removal of zinc ions from wastewaters”, *Appl. Clay Sci.* (IF = 3.641), **2017**, 137, 135-142.

17. M.P. Vasiliu, L. Sachelarie, L.E. Dartu, E. Folescu, L. Atanase, A. Zaharia, „Surface state studies and biocompatibility of PMMA”, *J. Biomim. Biomat. Biomed. Eng.*, **2016**, 28, 57-65

16. S. Caprarescu, A. R. Miron, V. Purcar, A.L. Radu, A. Sarbu, D. Ion-Ebrasu, L.I. Atanase, M. Ghiurea, „Efficient removal of indigo carmine from dye by a separation process”, *Water Sci. Technol.* (IF = 1.247), **2016**, DOI: 10.2166/wst.2016.388

15. C. Petcu, V. Purcar, R. Ianchis, C.I. Spataru, M. Ghiurea, C.A. Nicolae, H. Stroescu, L.I. Atanase, A.N. Frone, B. Trica, D. Donescu, „Synthesis and characterization of polymer-silica hybrid latexes and sol-gel-derived films”, *Appl. Surface Sci.* (IF = 4.439), **2016**, 389, 666-672

14. L.I. Atanase\*, S. Bistac, G. Riess, „Effect of poly(vinyl alcohol-co-vinyl acetate) copolymer blockiness on the dynamic interfacial tension and dilational viscoelasticity of polymer/anionic surfactant complex at the water/1-chlorobutane interface”, *Soft Matter* (IF = 3.889), **2015**, 11, 2665-2672

13. L.I. Atanase\*, J.-P. Lerch, G. Riess, „Gelation and water dispersibility of nonaqueous emulsions stabilized by a PBut-P2VP-PEO triblock copolymer”, *Colloids Surfaces A* (IF = 2.829), **2015**, 464, 89-95

12. L.I. Atanase\*, J. Winninger, C. Delaite, G. Riess, „Micellization and demicellization of amphiphilic poly(vinyl acetate)-graft-poly(N-vinyl-2-pyrrolidone) graft copolymers in the presence of sodium dodecyl sulfate”, *Colloids Surfaces A* (IF = 2.829), **2014**, 461, 287-294

11. L.I. Atanase\*, G. Riess, „PEG 400/paraffin oil non-aqueous emulsions stabilized by PBut-block-P2VP block copolymers”, *J. Appl. Polym. Sci.* (IF = 1.9), **2014**, 131, 41390

10. L.I. Atanase, G. Riess, „Stabilization of non-aqueous emulsions by poly(2-vinylpyridine)-*b*-poly(butadiene) block copolymers”, *Colloids Surfaces A* (IF = 2.829), **2014**, 458, 19-24

9. L.I. Atanase\*, G. Riess, „Water-dispersible non-aqueous emulsions stabilized by a poly(butadiene)-*b*-poly(vinylpyridine) block copolymer”, *Comptes Rendus Chimie* (IF = 1.877), **2014**, 17, 310-315

	<p>8. <u>L.I. Atanase*</u>, J. Winniger, C. Delaite, G. Riess, „Reversible addition-fragmentation chain transfert synthesis and micellar characteristics of biocompatible amphiphilic poly (vinyl acetate)-graft-poly(N-vinyl-2-pyrrolidone) copolymers”, <i>Eur. Polym. J.</i> (IF = 3.531), <b>2014</b>, 53, 109-117</p> <p>7. <u>L.I. Atanase</u>, G. Riess, „Block copolymer stabilized non-aqueous biocompatible sub-micron emulsions for topical applications”, <i>Int. J. Pharm.</i> (IF = 3.862), <b>2013</b>, 448, 339-345</p> <p>6. <u>L.I. Atanase</u>, G. Riess, „Micellization of pH-stimulable poly(2-vinylpyridine)-b-poly(ethylene oxide)copolymers and their complexation with anionic surfactants”, <i>J. Colloid Interface Sci.</i> (IF = 5.09), <b>2013</b>, 395, 190-197</p> <p>5. <u>L.I. Atanase</u>, O. Glaied, G. Riess, „Crystallization kinetics of PCL tagged with well-defined positional triazole defects generated by click-chemistry”, <i>Polymer</i> (IF = 3.483), <b>2011</b>, 52, 3074-3081</p> <p>4. <u>L.I. Atanase</u>, G. Riess, „Thermal cloud point fractionation of poly(vinyl alcohol-co-vinyl acetate): Partition of nanogels in the fractions”, <i>Polymers</i> (IF = 2.935), <b>2011</b>, 3, 1065-1075</p> <p>3. <u>L.I. Atanase</u>, G. Riess, „Block copolymers as polymeric stabilizers in non-aqueous emulsion polymerization”, <i>Polym. Int.</i> (IF = 2.352), <b>2011</b>, 60, 1563-1573</p> <p>2. <u>L.I. Atanase</u>, G. Riess, „Poly(vinyl alcohol-co-vinyl acetate) complex formation with anionic surfactants: particle size of nanogels and their disaggregation with sodium dodecyl sulfate”, <i>Colloids Surfaces A.</i> (IF = 2.829), <b>2010</b>, 355, 29-36</p> <p>1. <u>L.I. Atanase*</u>, V. Boscher, T. Lasuye, B. Stasik, G. Riess, „Colloidal characteristics of vinyl alcohol-vinyl acetate copolymers by complex formation with sodium dodecyl sulphate”, <i>Rev. Roum. Ch.</i> (IF = 1.412), <b>2009</b>, 54(7), 577-581</p>
Proiecte de cercetare	<p>12. Coordonator proiect: JINR (Dubna)-Romania: „Investigation by scattering techniques of drug loaded polymeric nanoparticles” (JINR Dubna, <b>2021-2022</b>, 2300 USD)</p> <p>11. Director proiect Romania-Walonia (Belgia) (PN-III-CEI-BIM-PBE-2020-0007): “Continuous flow preparation of biocompatible and biodegradable particles for the controlled release of a drug” (<b>2021-2022</b>)</p> <p>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(ε-caprolactone) as drug delivery systems” (<b>2020-2022</b>)</p> <p>9. Key person – membru: Collaborative research projects Romania-Norvegia: “Active targeted drug delivery systems based on peptide-functionalized magnetic nanoparticles for the treatment of inner ear diseases” (<b>2020-2023</b>)</p> <p>8. Coordonator grant: JINR (Dubna)-Romania: „Preparation and characterization of liposomes loaded with antimicrobial natural-based active principles” (<b>2020-2021</b>)</p> <p>7. Coordonator proiect: JINR (Dubna)-Romania: “Investigation by scattering techniques of the structural changes of some nanosized drug delivery systems upon encapsulation of different active principles” (<b>2019-2020</b>, 1500 USD)</p> <p>6. Director proiect de mobilitate Romania-Norvegia (<b>2018</b>)</p> <p>5. Director proiect: Tinere echipe (TE): PN-III-P1-1.1-TE-2016-0532 - “Biomaterials obtained from drug-loaded non-aqueous emulsions” (<b>2018-2020</b>)</p> <p>4. Membru: Proiecte de cercetare exploratorie (PCE): PN-III-P4-ID-PCE-2016-0613 - “Topical nanoparticle formulations with aptamer for the treatment of basal cell carcinoma” (<b>2017-2019</b>)</p> <p>3. Director de proiect: proiect intern Universitatea “Apollonia”: “Nanoparticulate systems based on poly(2-vinyl pyridine) -poly(ethylene oxide) copolymers loaded with active substances for biomedical applications” (<b>2016-2018</b>)</p> <p>2. Coordonator: proiect Romania-Walonia (Belgia): “Nanoparticles based on chitosan functionalized with aptamer for targeting tumor cells” (<b>2017-2018</b>)</p> <p>1. Director de proiect: proiect intern Universitatea “Apollonia”: “Synthesis and characterization of poly(mircen)-b-poly (itaconic acid) copolymers: Cosmetic and Biomedical Applications” (<b>2015-2016</b>)</p>
Brevete	<p>WO2016059349, <b>2016</b>, “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]</p>
Carti si capitol de carti	<p>9. C.E. Iurciuc-Tincu, L. Ochiuz, M. Popa, <u>L.I. Atanase</u>. “Cross-linked marine polysaccharides for delivery of therapeutics” in “Marine biopolymers: drug delivery and therapeutic potential”. Eds. S. Jana. Springer Nature Publisher, <b>2022</b>, 41-79 (ISBN 978-981-16-5373-5).</p> <p>8. M. Popa, <u>L.I. Atanase</u>. “Biological macromolecules for drug delivery in tissue engineering” in “Biological macromolecules”. Eds. D. Nayak and Pal, Elsevier, <b>2022</b>, chapter 17, 393-418 (ISBN 978-0-323-85759-8).</p> <p>7. S. Racovita, M. Popa, <u>L.I. Atanase</u>, S. Vasiliu. “Synthetic macromolecules with biological activity.” in “Biological macromolecules”. Eds. D. Nayak and Pal, Elsevier, <b>2022</b>, chapter 14, 305-335 (ISBN 978-0-323-85759-8).</p> <p>6. <u>L.I. Atanase</u>. “Micellar drug delivery systems based on amphiphilic block and graft polysaccharides” in “Tailor-made and functionalized biopolymer systems for drug delivery and biomedical applications”.</p>



	<p>Eds. H. Bera, B. Layek, J. Singh. Elsevier, <b>2021</b>, chapter 11, 351-382. (ISBN: 978-0-12-821437-4).</p> <p>5. D.M. Rata, A.N. Cadinoiu, <u>L.I. Atanase</u>, V. Burlui, "Polysaccharide-based orodental delivery systems" in "Polysaccharide Carriers for Drug Delivery", Eds: S. Maiti and S. Jana, Elsevier, <b>2019</b>, chapter 23, 685-711 (ISBN 978-0-08-102553-6).</p> <p>4. A.N. Cadinoiu, D.M. Rata, <u>L.I. Atanase</u>, "Biocompatible injectable polysaccharide materials for drug delivery" in "Polysaccharide Carriers for Drug Delivery", Eds: S. Maiti and S. Jana, Elsevier, <b>2019</b>, chapter 6, 127-148 (ISBN 978-0-08-102553-6).</p> <p>3. C.E. Iurciuc (Tincu), <u>L.I. Atanase</u>, M. Popa, "Physicochemical and Biological Properties of Carboxymethyl Cellulose" in "Carboxymethylcellulose: Properties, Applications and Effectiveness", Ed. I.H. Mondal. Nova Science Pub Inc, <b>2019</b>, chapter 5. (ISBN: 978-1-53614-742-1).</p> <p>2. <u>L.I. Atanase</u> and G. Riess, „Colloidal and surfactant properties of poly(vinyl acetate-co-vinyl alcohol) copolymers" in „Acetate: Versatile building block of biology and chemistry", Ed: D.A. Sanders, Nova Science Pub Inc, <b>2013</b>, p.97-142.</p> <p>1. <u>L.I. Atanase</u>, „Etude des complexes PVA/tensioactifs anioniques: Caracteristiques colloïdales des nanogels et extension aux copolymères a blocs", Editions universitaires europeennes, <b>2011</b>, (ISBN 978-613-1-53919-0)</p>
<p>Conferinte orale internationale</p>	<ol style="list-style-type: none"> <li>1. «Etude des interactions poly (vinyle alcool)-tensioactifs anioniques» - Franco-Romanian Symposium on Polymers (CFR 8), <b>2007</b>, Saint Martin-d'Hères, France; Authors : <u>L.I. Atanase</u>, G. Riess</li> <li>2. «Méthodes des synthèses de copolymères à blocs amphiphiles PVA-b-PVAc» - Franco-Romanian Symposium on Polymers (CFR 9), <b>2009</b>, Alba Iulia, Romania; Authors: <u>L.I. Atanase</u>, M. Hamcerencu, O. Glaied, C. Delaite, G. Riess.</li> <li>3. «Synthèse et propriétés physico-chimiques de copolymères greffés biocompatibles à base de PVAc» - Franco-Romanian Symposium on Polymers (CFR 10), <b>2011</b>, Douai, France; Authors : <u>L.I. Atanase</u>, J. Winninger, C. Delaite, G. Riess</li> <li>4. « Emulsions non-aqueuses biocompatibles stabilisées par des copolymères à blocs » - Club Emulsion, <b>2015</b>, Pau, France; Authors : <u>L.I. Atanase</u>, G. Riess</li> <li>5. « Relation structure-propriétés de copolymères amphiphiles intégrant des synthons biosourcés», <i>Compamphi</i>, <b>2016</b>, Bordeaux, France; Authors: <u>L. Atanase</u>, M.H. Alves, L. Billon, S. Chen, L. Etchenausia, A. Lespes, V. Pellerin, M. Save</li> <li>6. «Non-aqueous emulsions with cosmetic and biomedical applications», International Conference of University "Apollonia", <b>2017</b>, Iasi, Romania; Authors : <u>L.I. Atanase</u>, G. Riess,</li> <li>7. «Development of amphiphilic graft copolymers», 7<sup>th</sup> Organic Chemistry Conference, <b>2017</b>, Hammamet, Tunisia; Authors: J. Winninger, <u>L.I. Atanase</u>, C. Delaite, G. Riess.</li> <li>8. «Stability studies and release of curcumin immobilized in particles based in polysaccharides», International Conference of University "Apollonia", <b>2018</b>, Iasi, Romania; Authors: C.E. Iurciuc, <u>L.I. Atanase</u>, P. Martin, M. Popa.</li> <li>9. «5-Fluorouracil-loaded nanovectors used in anticancer therapy», International Conference of University "Apollonia", <b>2018</b>, Iasi, Romania; Authors: D.M. Rata, A.N. Cadinoiu, <u>L.I. Atanase</u>, C.G. Mandric, M. Popa.</li> <li>10. «pH-sensitive block copolymers micelles as possible vehicles for delivery of anionic drugs», . International Conference of University "Apollonia", <b>2018</b>, Iasi, Romania; Authors: <u>L.I. Atanase</u>, A.N. Cadinoiu, D. Rata, M. Popa</li> <li>11. «Small unilamellar vesicles for basal cell carcinoma therapy», International Conference of University "Apollonia", <b>2018</b>, Iasi, Romania; Authors: A.N. Cadinoiu, D. Rata, <u>L.I. Atanase</u>, M. Popa.</li> <li>12. « Self-assembly of Biocompatible Copolymers in Organic Media», Symposium of Drug Delivery Systems (SDDS), <b>2018</b>, Saint Petersburg, Russia; Authors: <u>L.I. Atanase</u>, A.N. Cadinoiu, D. Rata, G. Riess.</li> </ol>
<p>Conferinte orale nationale</p>	<ol style="list-style-type: none"> <li>1. «Block copolymers used as nanocarriers for the encapsulation of active ingredients», Seminar of the Research Institute "Ioan Haulica", <b>2017</b>, Iasi, Romania; Authors: <u>L.I. Atanase</u>, A.N. Cadinoiu, D.M. Rata, M. Popa.</li> <li>2. «Polysaccharide-based particles loaded with curcumin with potential antitumor effect», Academy of Scientists of Romania (AOSR), <b>2017</b>, Timisoara, Romania; Authors: C.E. Iurciuc (Tincu), D.M. Rata, X. Patras, <u>L.I. Atanase</u>, M. Popa.</li> <li>3. « Aciclovir-based emulsions for topical applications», Academy of Scientists of Romania (AOSR), <b>2017</b>, Timisoara, Romania; Authors: <u>L.I. Atanase</u>, A. Cadinoiu, O.M. Daraba, N. Baranov, C. Mihalache, V. Burlui.</li> <li>4. «Study on the application of hydrogels based on natural polymers for the controlled release of antimicrobial active ingredients in the oral cavity », Academy of Scientists of Romania (AOSR), <b>2017</b>, Timisoara, Romania ; Authors: L.E. Romila, S. Ardeschir, O.M. Daraba, C. Stadoleanu, <u>L.I. Atanase</u>, L. Sachelarie, V. Burlui.</li> <li>5. «Nanoparticulate systems loaded with active principles for biomedical applications», Seminar of the Research Institute "Ioan Haulica", <b>2018</b>, Iasi, Romania; Authors: <u>L.I. Atanase</u>, A. Cadinoiu, D. Rață, C. Tincu, M. Popa.</li> <li>6. «Nanoparticles functionalised with aptamer for targeted therapy with potential applications in nanomedicine», Seminar of the Research Institute "Ioan Haulica", <b>2018</b>, Iasi, Romania; Authors: C. Mihalache, D. M. Rață, A. N. Cadinoiu, <u>L. I. Atanase</u>, M. Popa.</li> <li>7. «Evaluation of the cytotoxicity of aptamer-functional nanoparticles (with and without drug)», Seminar of the Research Institute "Ioan Haulica", <b>2018</b>, Iasi, Romania; Authors: O.M. Darabă, D. M. Rață, A.N. Cadinoiu, <u>L.I. Atanase</u>, M. Popa, L. Ichim, C. Stadoleanu, V. Burlui.</li> <li>8. «Aptamer-Functionalized Nanoparticles for the Targeted Cancer Therapy», Academy of Scientists of Romania</li> </ol>

	(AOSR), <b>2018</b> , Targoviste, Romania; Authors: A. N. Cadinoiu, D. M. Rata, <u>L. I. Atanase</u> , V. Burlui, M. Popa. <b>9.</b> « <i>Ecological consequences of waste in dental surgeries</i> », Academy of Scientists of Romania (AOSR), <b>2019</b> , Bucuresti, Romania; Authors: L.I. Atanase, L. Romila, M. P. Vasiliu, D. Tomița, C. Mihalache, N. Baranov.
Postere	<ol style="list-style-type: none"> <li>1. «<i>Polymérisation en suspension du chlorure de vinyle: «émulsions modèles» stabilisées par des complexes tensio-actifs macromoléculaires (PVA)/anioniques (SDS)</i>» -Club Emulsion, <b>2006</b>, Strasbourg, France</li> <li>2.«<i>Biocompatible polymeric surfactants based on PVA and PVAc. Colloidal characteristics of complex formation in the presence of sodium dodecyl sulphate</i> » -7th World Surfactants Congress (CESIO), <b>2008</b>, Paris, France</li> <li>3.«<i>Colloidal characteristics of vinyl alcohol-vinyl acetate copolymers: formation of polyelectrolyte complexes in the presence of sodium dodecyl sulphate</i> »-7th International Conference Polymer-Solvent Complexes &amp; Intercalates, <b>2008</b>, Marrakech, Morocco</li> <li>4.«<i>Stabilisation d'émulsion chlorobutane/eau par des complexes PVA - tensioactifs anioniques</i>» -Club Emulsion, <b>2008</b>, Lyon, France</li> <li>5.« <i>Synthesis and crystalline properties of PVAc-b-PCL block copolymers based on click chemistry, ROP and RAFT polymerization</i>», Aquitaine Conferences-Polymers, <b>2009</b>, Bordeaux, France</li> <li>6.« <i>Emulsion Stabilization by Polymeric Surfactants and Their Complexes with SDS: Colloidal and Interfacial Viscoelastic Characteristics</i>», -8th World Surfactants Congress (CESIO), <b>2011</b>, Vienna, Austria</li> <li>7.« <i>Synthesis and colloidal properties of PVAc based amphiphilic biocompatible copolymers</i> », -COPAMPHI <b>2012</b>, Toulouse, France</li> <li>8.«<i>Biocompatible non-aqueous emulsions stabilized by block copolymers for drug delivery applications</i>» - Formula VII, <b>2013</b>, Mulhouse, France</li> <li>9. « <i>Terpene based macromolecular surfactants for styrene miniemulsion polymerization</i> » - 29<sup>th</sup> Conference of the European Colloids and Interface Society, <b>2015</b>, Bordeaux, France</li> <li>10. «<i>The influence of tannic acid on biocompatibility of chitosan-based nanoparticles</i>», <i>National Congress with Internat. Particip. of RSCB, the 34nd Annual Scientific Session of RSCB</i>, <b>2016</b>, Oradea, Romania</li> <li>11. «<i>Development of poly(ε-caprolactone)-g-poly(N-vinylcaprolactam) amphiphilic graft copolymers</i>». International Conference of University "Apollonia", <b>2018</b>, Iasi, Romania</li> <li>12. «<i>Functionalisation of chitosan with aptamer for targeted drug delivery</i>», 3th International Conference on nanomaterials: Synthesis, Characterization and applications, <b>2018</b>, Kottayam, India</li> <li>13. «<i>5-fluorouracil loaded PEGylated liposomes: potential application in the treatment of basal cell carcinoma</i>», 3th International Conference on nanomaterials: Synthesis, Characterization and applications, <b>2018</b>, Kottayam, India</li> <li>14. «<i>Biomaterial Properties Evaluation of Aptamer-Functionalized Polymeric Nanocapsules</i>», 8th Annual International Symposium of Drug Delivery Systems, <b>2018</b>, Sankt Petersburg, Russia</li> <li>15. «<i>Aptamer-Functionalized Liposomes - A New Attempt to Treat Basal Cell Carcinoma</i>», 4th International Conference on Biomedical Polymers &amp; Polymeric Biomaterials, <b>2018</b>, Kraków, Poland</li> <li>16. «<i>Nanocapsules Based on Chitosan Carboxylate and Poly(N-Vinylpyrrolidone-alt-Itaconic Anhydride) - A Promising Alternative for the Basal Cell Carcinoma Treatment</i>», 4th International Conference on Biomedical Polymers &amp; Polymeric Biomaterials, <b>2018</b>, Kraków, Poland</li> <li>17. «<i>Topical emulsions for transdermal active targeted drug delivery</i>», European Polymer Congress, EPF <b>2019</b>, Heraklion, Greece</li> <li>18. «<i>Polymeric Nanocapsules Loaded with 5-Fluorouracil for Targeted Cancer Therapy</i>», European Polymer Congress, EPF <b>2019</b>, Heraklion, Greece</li> </ol>
Premii si onoruri	<p>2003 – Premiul intai "Inorganic Chemistry Competition", Facultatea de Chimie Industriala, Iasi, Romania</p> <p>2009 - Second place, Les Doctoriales d'Alsace, Mittelwihr, France</p> <p>2016 – Profesor invitat: Universite de Pau, Pau, France</p> <p>2018,2019 – Profesor invitat: Universite de Haute Alsace, Mulhouse, France</p>
Membru	<p>"International Polymer Colloid Group" (IPCG)</p> <p>"Chemistry Society of Romania" (SChR)</p> <p>"Romanian Biomaterials Society" (SRB)</p> <p>Editorial board of the journal "International Journal of Medical Dentistry"</p> <p>Organization committee of the "International Conference of the University Apollonia"</p> <p>Administration Council of the University "Apollonia", Iasi, Romania</p>
Referent	<p>ACS Applied Materials&amp;Interfaces (IF = 8.097)</p> <p>ACS MacroLetters (IF = 6.131)</p> <p>Macromolecules (IF = 5.914)</p> <p>Journal of Colloids and Interface Science (IF = 5.09)</p> <p>Journal of Molecular Liquids (IF = 4.513)</p> <p>Applied Surface Science (IF = 4.439)</p> <p>Industrial&amp;Engineering Chemistry Research (IF = 3.14)</p> <p>Polymers (IF = 2.935)</p> <p>Colloid and Surfaces A (IF = 2.829)</p> <p>Materials (IF = 2.728)</p> <p>Journal of Applied Polymer Science (IF = 1.9)</p> <p>Asia-Pacific Journal of Chemical Engineering (IF = 1.238)</p> <p>Microbiology Research Journal International</p> <p>Journal of Applied Life Sciences International</p>



	ACS Omega
<b>Editorial Board</b>	"International Journal of Medical Dentistry", "Nanoparticles Journal" "Applied Chemistry"
<b>Guest Editor</b>	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)