

PERSONAL INFORMATION

LEONARD IONUT ATANASE



📍 „Apollonia” University of Iasi, Romania

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Sex M | Date of birth 09/03/1982 | Nationality Romanian

WORK EXPERIENCE

- October 2018 – present

Dean of the Faculty of the Medical Dentistry
 „Apollonia” University of Iasi, Romania

 - Institutional management
- 2020-present

PhD Supervisor
 Faculty of Chemical Engineering and Environmental Protection "Cristofor Simionescu",
 Technical University "Gh. Asachi", Iasi
- June 2017 – present

Professor at the Faculty of the Medical Dentistry
 „Apollonia” University of Iasi, Romania

 - Educational and research activities
- 2016 – 2017

Associate Professor at the Faculty of the Medical Dentistry
 „Apollonia” University of Iasi, Romania

 - Educational and research activities
- 2014 – 2015

R&D Engineer
 University of Pau; Aquitaine Science Transfert, Pessac, France

 - Research activities
- 2010 – 2013

University researcher (Post-doctoral fellowship)
 University of Haute Alsace, Mulhouse, France

 - Research activities

EDUCATION AND TRAINING

- 2021-2023

Master in “Institutional communication”
 „Apollonia” University of Iasi, Romania
- 2019-2021

Master in “Management and business administration”
 „Gh. Asachi” Technical University, Iasi, Romania
- October 2018

Ability to coordinate researches
 University of Haute Alsace, Mulhouse, France
- 2006 – 2010

PhD thesis
 Ecole Nationale Supérieure de Chimie (ENSCMu), University of Haute Alsace,
 Mulhouse, France

- Controlled radical polymerization
- Molecular characterization of polymers
- Polymeric colloids, emulsions

2005 – 2006

Master in “Polymer research”

Ecole Nationale Supérieure de Chimie (ENSCMu), University of Haute Alsace, Mulhouse, France

- Photopolymerization
- Colloids
- Controlled radical polymerization techniques

2000 – 2005

Chemical engineer

Faculty of Industrial Chemistry, „Gh. Asachi” Technical University, Iasi, Romania

- Macromolecular chemistry: synthesis and characterization

PERSONAL SKILLS

Mother tongue(s) Romanian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
French	C1	C1	C1	C1	C1
English	B2	C1	B2	B2	C1

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
[Common European Framework of Reference for Languages](#)

Communication skills

- Analysis and synthesis capacity
- Initiative
- Good communication skills

Organisational / managerial skills

- Leadership
- Teamwork
- Professionalism

Job-related skills

- Controlled radical polymerization techniques
- Click-chemistry
- Molecular and colloidal characterization of polymers
- Emulsions
- Dynamic light scattering (DLS)
- Nuclear magnetic spectroscopy (NMR)
- Size exclusion chromatography (SEC)
- Drug encapsulations and release.

Digital competence

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Proficient user	Proficient user	Proficient user

Levels: Basic user - Independent user - Proficient user
[Digital competences - Self-assessment grid](#)

- good command of office suite (word processor, spread sheet, presentation software)

ADDITIONAL
INFORMATION

Publications

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(ϵ -caprolactone).", *Polymers* (IF = 4.967), 2022, 14, 3736. <https://doi.org/10.3390/polym14183736>
53. M. Yoosefian, 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 grephene 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(ϵ -caprolactone) and poly(ethylene glycol-400) nanofibers loaded with Ibuprofen as a potential drug delivery system for wound dressings". *AUTEX Research Journal* (IF = 1.0), 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(ϵ -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(ϵ -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 TiO₂ 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
8. L.I. Atanase*, J. Winninger, C. Delaite, G. Riess, „Reversible addition-fragmentation chain transfer synthesis and micellar characteristics of biocompatible amphiphilic poly(vinyl acetate)-graft-poly(N-vinyl-2-pyrrolidone) copolymers", *Eur. Polym. J.* (IF = 3.531), **2014**, 53, 109-117
7. L.I. Atanase, G. Riess, „Block copolymer stabilized non-aqueous biocompatible sub-micron emulsions for topical applications", *Int. J. Pharm.* (IF = 3.862), **2013**, 448, 339-345
6. L.I. Atanase, G. Riess, „Micellization of pH-stimulable poly(2-vinylpyridine)-b-poly(ethylene oxide) copolymers and their complexation with anionic surfactants", *J. Colloid Interface Sci.* (IF = 5.09), **2013**, 395, 190-197
5. L.I. Atanase, O. Glaied, G. Riess, „Crystallization kinetics of PCL tagged with well-defined positional triazole defects generated by click-chemistry", *Polymer* (IF = 3.483), **2011**, 52, 3074-3081
4. L.I. Atanase, G. Riess, „Thermal cloud point fractionation of poly(vinyl alcohol-co-vinyl acetate): Partition of nanogels in the fractions", *Polymers* (IF = 2.935), **2011**, 3, 1065-1075
3. L.I. Atanase, G. Riess, „Block copolymers as polymeric stabilizers in non-aqueous emulsion polymerization", *Polym. Int.* (IF = 2.352), **2011**, 60, 1563-1573
2. L.I. Atanase, G. Riess, „Poly(vinyl alcohol-co-vinyl acetate) complex formation with anionic surfactants: particle size of nanogels and their disaggregation with sodium dodecyl sulfate", *Colloids Surfaces A.* (IF = 2.829), **2010**, 355, 29-36
1. L.I. Atanase*, V. Boscher, T. Lasuye, B. Stasik, G. Riess, „Colloidal characteristics of vinyl alcohol-vinyl acetate copolymers by complex formation with sodium dodecyl sulphate", *Rev. Roum. Ch.* (IF = 1.412), **2009**, 54(7), 577-581
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- Books & books chapters
9. C.E. Iurciuc-Tincu, L. Ochiuz, M. Popa, L.I. Atanase. "Cross-linked marine polysaccharides for delivery of therapeutics" in "Marine biopolymers: drug delivery and therapeutic potential". Eds. S. Jana. Springer Nature Publisher, **2022**, 41-79 (ISBN 978-981-16-5373-5).
8. M. Popa, L.I. Atanase. "Biological macromolecules for drug delivery in tissue engineering" in "Biological macromolecules". Eds. D. Nayak and Pal, Elsevier, **2022**, chapter 17, 393-418 (ISBN 978-0-323-85759-8).
7. S. Racovita, M. Popa, L.I. Atanase, S. Vasiliu. "Synthetic macromolecules with biological activity." in "Biological macromolecules". Eds. D. Nayak and Pal, Elsevier, **2022**, chapter 14, 305-335 (ISBN 978-0-323-85759-8).
6. L.I. Atanase. "Micellar drug delivery systems based on amphiphilic block and graft polysaccharides" in "Tailor-made and functionalized biopolymer systems for drug delivery and biomedical applications". Eds. H. Bera, B. Layek, J. Singh. Elsevier, **2021**, chapter 11, 351-382. (ISBN: 978-0-12-821437-4).
5. D.M. Rata, A.N. Cadinoiu, L.I. Atanase, V. Burlui, "Polysaccharide-based orodental delivery systems" in "Polysaccharide Carriers for Drug Delivery", Eds: S. Maiti and S. Jana, Elsevier, **2019**, chapter 23, 685-711 (ISBN 978-0-08-102553-6).
4. A.N. Cadinoiu, D.M. Rata, L.I. Atanase, "Biocompatible injectable polysaccharide materials for drug delivery" in "Polysaccharide Carriers for Drug Delivery", Eds: S. Maiti and S. Jana, Elsevier, **2019**, chapter 6, 127-148 (ISBN 978-0-08-102553-6).
3. C.E. Iurciuc (Tincu), L.I. Atanase, M. Popa, "Physicochemical and Biological Properties

	<p>of Carboxymethyl Cellulose” in “Carboxymethylcellulose: Properties, Applications and Effectiveness”, Ed. I.H. Mondal. Nova Science Pub Inc, 2019, 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, 2013, 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, 2011, (ISBN 978-613-1-53919-0)</p>
Patents	<p>“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</p>
Research projects	<p>12. Member of the exploratory research project team PCE-2019: „Dual active targeting carriers for the treatment of pulmonary infections based on drug loaded peptides-functionalized polymeric nano/microparticles” (2021-2024).</p> <p>11. Director of the bilateral mobility project Romania – Belgium (PN-III-CEI-BIM-PBE-2020-0007): „Continuous flow preparation of biocompatible and biodegradable particles for the controlled release of a drug” (2021-2022)</p> <p>10. Principal Investigator of the project young research teams (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” (2020-2022)</p> <p>9. Key person – member: Collaborative research projects Romania-Norway: “Active targeted drug delivery systems based on peptide-functionalized magnetic nanoparticles for the treatment of inner ear diseases” (2020-2023)</p> <p>8. Coordinator of the grant: JINR (Dubna, Russia)-Romania: „Preparation and characterization of liposomes loaded with antimicrobial natural-based active principles” (2020-2021)</p> <p>7. Coordinator of the project: JINR (Dubna, Russia)-Romania: “Investigation by scattering techniques of the structural changes of some nanosized drug delivery systems upon encapsulation of different active principles” (2019-2020)</p> <p>6. Principal Investigator of the project young research teams: PN-III-P1-1.1-TE-2016-0532 – « Biomaterials obtained from non-aqueous and drug-loaded emulsions » (2018-2020)</p> <p>5. Member of the exploratory research project team PN-III-P4-ID-PCE-2016-0613 – „Topical nanoparticle formulations with aptamer for the treatment of basal cell carcinoma” (2017-2019)</p> <p>4. Director of the mobility project Romania-Norway (2018)</p> <p>3.Coordinator of the bilateral mobility project Romania – Belgium: „Nanoparticles based on chitosan functionalized with aptamer for targeting tumor cells” (2017-2018)</p> <p>2.Principal investigator of the “Apollonia” University internal project: “Nanoparticulate systems based on poly(2-vinyl pyridine)-poly(ethylene oxide) copolymers loaded with active substances for biomedical applications” (2016-2018)</p> <p>1.Principal investigator of the “Apollonia” University internal project: “Synthesis and characterization of poly(mircen)-b-poly (itaconic acid) copolymers: Cosmetic and Biomedical Applications” (2015-2016)</p>
Reviewer	<p>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)</p>

	Microbiology Research Journal International Journal of Applied Life Sciences International ACS Omega
Member	“International Polymer Colloid Group” (IPCG) “Chemistry Society of Romania” (SChR) “Romanian Biomaterials Society” (SRB) Editorial board of “International Journal of Medical Dentistry”, “Nanoparticles Journal” and “Applied Chemistry” Organization committee of the “International Conference of the University Apollonia” Administration Council of the University “Apollonia”, Iasi, Romania
Guest Editor	Polymers (IF = 3.426) ; Polymer International (IF = 2.352); Molecules (IF = 3.060); International Journal of Molecular Science (IF = 4.183)
Editorial board	“International Journal of Medical Dentistry”, “Nanoparticles Journal” “Applied Chemistry”
Honours	Invited professor – University of Pau (2016); University of Haute Alsace (2018,2019), France