PERSONAL INFORMATION

Leonard Ionut ATANASE

[redacted]

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

POSITION

Dean of the Faculty of Dental Medicine,
University “Apollonia” from Iasi, Romania

WORK EXPERIENCE

2017 - present — Professor

University “Apollonia” from Iasi, Romania

- Dean of the Faculty of Dental Medicine
- Head of the International Office Bureau
- Coordinator of the Biomaterials Department, Research Institute “Academician Ioan Haulica”, Iasi, Romania
- Courses: Dental materials. Chemistry of the dental materials; Nanomaterials

Business or sector Academic

2015 – 2017 — Assistant Professor

University “Apollonia” from Iasi, Romania

- Vice-dean of the Faculty of Dental Medicine
- Courses: Biomaterials. Chemistry of the dental materials; Ecology and protection of the environment

Business or sector Academic

2014 - 2015 — R&D engineer

University of Pau, Aquitaine Science Transfert in collaboration with LVMH (Dior division), Pau, France

- Preparation of alcohol-free perfumes
- Publication of research articles and patent

Business or sector Industrial & Academic

2012 - 2013 — Postdoctoral researcher

University of Haute Alsace, Mulhouse, France

- Biocompatible non-aqueous emulsions stabilized by block copolymers
- Publication of research articles
- Coordination of license and master students

Business or sector Academic

2010 - 2012 — Postdoctoral researcher

University of Haute Alsace, Mulhouse, France

- RAFT-MADIX synthesis of PVAc biocompatible based block and graft copolymers
- Publication of research articles
- Coordination of license and master students

Business or sector Academic

EDUCATION AND TRAINING

2018 **Ability to conduct researches in Chemistry of Materials (Section 33)**

University of Haute Alsace, Mulhouse, France

- *"Copolymers with complex architectures: from their synthesis to their applications"*
- Synthesis, preparation, modification and characterization of polymeric materials

2010 **PhD in Chemistry of Materials**

University of Haute Alsace, Mulhouse, France

- *"Contribution to the study of poly (vinyl alcohol-vinyl acetate)/anionic surfactants complexes: colloidal characteristics of nanogels and extension to diblock copolymers"*(supervised by Prof. Dr. G. Riess)

2006 **Research Master Degree in Polymers**

University of Haute Alsace, Mulhouse, France

- *"The study of interactions between hydrosoluble polymers and anionic surfactants. Application to the system PVA/SDS"* (supervised by Prof. Dr. G. Riess)

2005 **Degree in Chemical Engineering**

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

- Specialization: "*Technology of Macromolecular Complexes"*

2005 **Erasmus Fellowship (3 months)**

University of Aix en Provence, Marseille, France

- Training activity on preparation and characterization of hydrogels (supervised by Prof. A. Perichaud)

2000 **Bachelor Degree**

High School, Roman, Romania

- Specialization: "*Chemistry-biology"*

PERSONAL SKILLS

Mother tongue(s): Romanian

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
French	C2	C2	C2	C2	C2
English	C1	C2	C1	C1	C2

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user

Communication skills

- Good communication skills gained through my experience as professor,
- Very good analysis and synthesis capacity,
- Attention to details.

Organisational / managerial skills

- Leadership (currently Dean of the Faculty of Dental Medicine),
- Professionalism,
- Teamwork,
- Initiative,
- Ensure and respect of a planning.

Job-related skills

- Radical controlled polymerization Raft-Madix,
- Click-chemistry,
- Preparation and characterization of emulsions,
- Block and graft copolymers self-assembly,
- Colloidal characterization,
- Drug delivery systems,
- Polysaccharides-based particles,
- Physicochemical characterization techniques: NMR, SEC, DSC, FT-IR, DLS; Optical microscopy; Turbiscan technique; interfacial tension; turbidity, viscosity and rheological measurements.

Digital skills

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

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

Other skills
- High resistance to stress and pressure generated by deadlines,
- Initiation and coordination of research collaborations with industrial partners.

Driving licence B

ADDITIONAL INFORMATION

Publications

1. L.I. Atanase, V. Boscher, T. Lasuye, B. Stasik and 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

2. L.I. Atanase and 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

3. L.I. Atanase, O. Glaied and 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 and 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

5. L.I. Atanase and G. Riess, „Block copolymers as polymeric stabilizers in non-aqueous emulsion polymerization", *Polym. Int.* (**IF = 2.352**), **2011**, *60*, 1563-1573

6. L.I. Atanase and 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

7. L.I. Atanase and G. Riess, „Block copolymer stabilized non-aqueous biocompatible sub-micron emulsions for topical applications", *Int. J. Pharm.* (**IF = 3.862**), **2013**, *448*, 339-345

8. L.I. Atanase, J. Winninger, C. Delaite and G. Riess, „Reversible addition-fragmentation chain transfert 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

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

10. L.I. Atanase and 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

11. L.I. Atanase and 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

12. L.I. Atanase, J. Winninger, C. Delaite and 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

13. L.I. Atanase, J.-P. Lerch and 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

14. L.I. Atanase, S. Bistac and 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

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

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

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

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. **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. **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. **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. **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. **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. **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. **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. **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. **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. **28.** 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. **29.** L.I. Atanase, G. Riess. "Micellization of poly(2-vinylpyrridine)-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. **30**. 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(Ɛ-caprolactone), poly(N-vinylcaprolactam) and poly(N-vinylpyrrolidone)", *Eur. Polym. J.* **(IF=3.62)**, **2019**, 119, 74-82. **31**. 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**, accepted.
International oral conferences	**1**.*«Etude des interactions poly (vinyle alcool)-tensioactifs anioniques»* - Franco-Romanian Symposium on Polymers (CFR 8), **2007**, Saint Martin-d'Hères, France; Authors : L.I. Atanase, G. Riess **2**. *«Méthodes des synthèses de copolymères à blocs amphiphiles PVA-b-PVAc»* - Franco-Romanian Symposium on Polymers (CFR 9), **2009**, Alba Iulia, Romania; Authors: L.I. Atanase, M. Hamcerencu, O. Glaied, C. Delaite, G. Riess. **3.** *«Synthèse et propriétés physico-chimiques de copolymères greffés biocompatibles à base de PVAc»* - Franco-Romanian Symposium on Polymers (CFR 10), **2011**, Douai, France; Authors : L.I. Atanase, J. Winninger, C. Delaite, G. Riess **4**. *« Emulsions non-aqueuses biocompatibles stabilisées par des copolymères à blocs »* - Club Emulsion, **2015**, Pau, France*;* Authors : L.I. Atanase, G. Riess **5**. *« Relation structure-propriétés de copolymères amphiphiles intégrant des synthons biosourcés», Compamphi,* **2016**, Bordeaux, France*;* Authors: L. Atanase, M.H. Alves, L. Billon, S. Chen, L. Etchenausia, A. Lespes, V. Pellerin, M. Save **6.** *«Non-aqueous emulsions with cosmetic and biomedical applications»*, International Conference of University "Apollonia", **2017**, Iasi, Romania; Authors : L.I. Atanase, G. Riess, **7.** *«Development of amphiphilic graft copolymers»*, 7th Organic Chemistry Conference, **2017**, Hammamet, Tunisia; Authors: J. Winninger, L.I. Atanase, C. Delaite, G. Riess. **8.** *«Stability studies and release of curcumin immobilized in particles based in polysaccharides»*, International Conference of University "Apollonia", **2018**, Iasi, Romania; Authors: C.E. Iurciuc, L.I. Atanase, P. Martin, M. Popa. **9.** *«5-Fluorouracil-loaded nanovectors used in anticancer therapy»***,** International Conference of University "Apollonia", **2018**, Iasi, Romania; Authors: D.M. Rata, A.N. Cadinoiu, L.I. Atanase, C.G. Mandric, M. Popa.

	10. *«pH-sensitive block copolymers micelles as possible vehicles for delivery of anionic drugs»*, . International Conference of University "Apollonia", **2018**, Iasi, Romania; Authors: L.I. Atanase, A.N. Cadinoiu, D. Rata, M. Popa **11**. *«Small unilamellar vesicles for basal cell carcinoma therapy»*, International Conference of University "Apollonia", **2018**, Iasi, Romania; Authors: A.N. Cadinoiu, D. Rata, L.I. Atanase, M. Popa. **12.** « *Self-assembly of Biocompatible Copolymers in Organic Media»,* Symposium of Drug Delivery Systems (SDDS), **2018**, Saint Petersburg, Russia*;* Authors: L.I. Atanase, A.N. Cadinoiu, D. Rata, G. Riess.
National oral conferences	**1.** «*Block copolymers used as nanocarriers for the encapsulation of active ingredients*», Seminar of the Research Institute "Ioan Haulica", **2017**, Iasi, Romania; Authors: L.I. Atanase, A.N. Cadinoiu, D.M. Rata, M. Popa. **2.** «*Polysaccharide-based particles loaded with curcumin with potential antitumor effect*», Academy of Scientists of Romania (AOSR), **2017**, Timisoara, Romania; Authors: C.E. Iurciuc (Tincu), D.M. Rata, X. Patras, L.I. Atanase, M. Popa. **3.** « *Aciclovir-based emulsions for topical applications*», Academy of Scientists of Romania (AOSR), **2017**, Timisoara, Romania; Authors: L.I. Atanase, A. Cadinoiu, O.M. Daraba, N. Baranov, C. Mihalache, V. Burlui. **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), **2017**, Timisoara, Romania ; Authors: L.E. Romila, S. Ardeshir, O.M. Daraba, C. Stadoleanu, L.I. Atanase, L. Sachelarie, V. Burlui. **5.** «*Nanoparticulate systems loaded with active principles for biomedical applications*», Seminar of the Research Institute "Ioan Haulica", **2018**, Iasi, Romania; Authors: L.I. Atanase, A. Cadinoiu, D. Rață, C. Tincu, M. Popa. **6.** «*Nanoparticles functionalised with aptamer for targeted therapy with potential applications in nanomedicine*», Seminar of the Research Institute "Ioan Haulica", **2018**, Iasi, Romania; Authors: C. Mihalache, D. M. Rață, A. N. Cadinoiu, L. I. Atanase, M. Popa. **7.** «*Evaluation of the cytotoxicity of aptamer-functional nanoparticles (with and without drug)*», Seminar of the Research Institute "Ioan Haulica", **2018**, Iasi, Romania; Authors: O.M. Darabă, D. M. Rață, A.N. Cadinoiu, L.I. Atanase, M. Popa, L. Ichim, C. Stadoleanu, V. Burlui. **8.** «*Aptamer-Functionalized Nanoparticles for the Targeted Cancer Therapy*», Academy of Scientists of Romania (AOSR), **2018**, Targoviste, Romania; Authors: A. N. Cadinoiu, D. M. Rata, L. I. Atanase, V. Burlui, M. Popa. **9.** *«Ecological consequences of waste in dental surgeries»*, Academy of Scientists of Romania (AOSR), **2019**, Bucuresti, Romania; Authors: L.I. Atanase, L. Romila, M. P. Vasiliu, D. Tomița, C. Mihalache, N. Baranov.
Posters	**1**. «*Polymérisation en suspension du chlorure de vinyle: «émulsions modèles» stabilisées par des complexes tensio-actifs macromoléculaires (PVA)/anioniques (SDS)*» -Club Emulsion, **2006**, Strasbourg, France **2**.«*Biocompatible polymeric surfactants based on PVA and PVAc. Colloidal characteristics of complex formation in the presence of sodium dodecyl sulphate* » -7th World Surfactants Congress (CESIO), **2008**, Paris, France **3**.«*Colloidal characteristics of vinyl alcohol-vinyl acetate copolymers: formation of polyelectrolyte complexes in the presence of sodium dodecyl sulphate* »-7th International Conference Polymer-Solvent Complexes & Intercalates, **2008**, Marrakech, Morocco **4**.«*Stabilisation d'émulsion chlorobutane/eau par des complexes PVA - tensioactifs anioniques*» -Club Emulsion, **2008**, Lyon, France **5**.« *Synthesis and crystalline properties of PVAc-b-PCL block copolymers based on click chemistry, ROP and RAFT polymerization*», Aquitaine Conferences-Polymers, **2009**, Bordeaux, France **6**.« *Emulsion Stabilization by Polymeric Surfactants and Their Complexes with SDS: Colloidal and Interfacial Viscoelastic Characteristics*», -8th World Surfactants Congress (CESIO), **2011**, Vienna, Austria **7.**« *Synthesis and colloidal properties of PVAc based amphiphilic biocompatible copolymers* », -COPAMPHI **2012**, Toulouse, France **8**.«*Biocompatible non-aqueous emulsions stabilized by block copolymers for drug delivery applications*» - Formula VII, **2013**, Mulhouse, France **9.** « *Terpene based macromolecular surfactants for styrene miniemulsion polymerization* » - 29th Conference of the European Colloids and Interface Society, **2015**, Bordeaux, France **10.** «*The influence of tannic acid on biocompatibility of chitosan-based nanoparticles*», *National Congress with Internat. Particip. of RSCB, the 34nd Annual Scientific Session of RSCB,* **2016,** Oradea, Romania **11.** *«Development of poly(ε-caprolactone)-g-poly(N-vinylcaprolactam) amphiphilic graft copolymers»*. International Conference of University "Apollonia", **2018**, Iasi, Romania **12.** *«Functionalisation of chitosan with aptamer for targeted drug delivery»*, 3th International Conference on nanomaterials: Synthesis, Characterization and applications, **2018**, Kottayam, India **13.** *«5-fluorouracil loaded PEGylated liposomes: potential application in the treatment of basal cell carcinoma»*, 3th International Conference on nanomaterials: Synthesis, Characterization and applications, **2018**, Kottayam, India **14.** *«Biomaterial Properties Evaluation of Aptamer-Functionalized Polymeric Nanocapsules»,* 8th Annual International Symposium of Drug Delivery Systems, **2018**, Sankt Petersburg, Russia

	15. *«Aptamer-Functionalized Liposomes - A New Attempt to Treat Basal Cell Carcinoma»*, 4th International Conference on Biomedical Polymers & Polymeric Biomaterials, **2018**, Kraków, Poland **16.** *«Nanocapsules Based on Chitosan Carboxylate and Poly(N-Vinylpyrrolidone-alt-Itaconic Anhydride) - A Promising Alternative for the Basal Cell Carcinoma Treatment»*, 4th International Conference on Biomedical Polymers & Polymeric Biomaterials, **2018**, Kraków, Poland **17.** *«Topical emulsions for transdermal active targeted drug delivery»*, European Polymer Congress, EPF **2019**, Heraklion, Greece **18.** *«Polymeric Nanocapsules Loaded with 5-Fluorouracil for Targeted Cancer Therapy»,* European Polymer Congress, EPF **2019**, Heraklion, Greece
Patents	WO2016059349, **2016**, *"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]
Books	**1**. L.I. Atanase, *„Etude des complexes PVA/tensioactifs anioniques: Caracteristiques colloidales des nanogels et extension aux copolymeres a blocs " , Editions universitaires europeennes, **2011**, ISBN (978-613-1-53919-0)* **2**. L.I. Atanase 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.* **3**. C.E. Iurciuc (Tincu), L.I. Atanase, M. Popa, "*Physico-chemical and Biological Properties of Carboxymethyl Cellulose*" in "*Carboxymethylcellulose: Properties, Applications and Effectiveness*", Nova Science Pub Inc, **2018,** under press. **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,** 127-148. **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**, 685-711.
Projects	**1**. Project manager: University "Apollonia" internal project: "Synthesis and characterization of poly(mircen)-b-poly (itaconic acid) copolymers: Cosmetic and Biomedical Applications" (**2015-2016**) **2**. Project coordinator: bilateral mobility Romania-Valona Region (Belgium): "Nanoparticles based on chitosan functionalized with aptamer for targeting tumor cells" (**2017-2018**) **3**. Project manager: University "Apollonia" internal project: "Nanoparticulate systems based on poly(2-vinyl pyridine) -poly(ethylene oxide) copolymers loaded with active substances for biomedical applications" (**2016-2018**) **4**. Member: Exploratory Research Project (PCE): PN-III-P4-ID-PCE-2016-0613 - "Topical nanoparticle formulations with aptamer for the treatment of basal cell carcinoma" (**2017-2019**) **5**. Project Manager: Youth Teams Project (TE): PN-III-P1-1.1-TE-2016-0532 - "Biomaterials obtained from drug-loaded non-aqueous emulsions" (**2018-2020**) **6**. Project Manager: mobility Romania-Norway (**2018**)
Honours and awards	2003 - First place in the Inorganic Chemistry Competition, Faculty of Technical Chemistry, Iasi, Romania 2009 - Second place, Les Doctoriales d'Alsace, Mittelwihr, France 2016 - Invited Professor: University of Pau, Pau, France 2018,2019 - Invited Professor: University of Haute Alsace, Mulhouse, France Special Editor for "Polymers" (IF = 2.935), Special Editor for "Polymer International" (IF = 2.352)
Memberships	"International Polymer Colloid Group" (IPCG) "Chemistry Society of Romania" (SChR) "Romanian Biomaterials Society" (SRB) Editorial board of the journal "International Journal of Medical Dentistry" Organization committee of the "International Conference of the University Apollonia" Administration Council of the University "Apollonia", Iasi, Romania
Reviewer	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) Microbiology Research Journal International Journal of Applied Life Sciences International ACS Omega