

Curriculum Vitae



Personal information	
First name(s) / Surname(s)	Ailincăi Daniela
Address(es)	2 Graniceri Street, 28, 725200, Falticeni, Romania
Telephone(s)	Mobile: 0740474295
E-mail	daniela.ailincăi@yahoo.com
Nationality	Romanian
Date of birth	25.08.1987
Desired employment / Occupational field	Chemistry
Education and training	
January 2016-present	Researcher assistant - Suprachem lab -laboratory of supramolecular chemistry for adaptive delivery systems Era Chair initiative.
November 2015-present	Researcher assistant - Multifunctional dynamic hydrogels with tuned morphology for biomedical applications, PN-II-RU-TE-2014-4-2314
7 September 2015 – 17 September 2015	Mobility at Institute of Nuclear Chemistry and Technology, Warsaw, Poland in the framework of Erasmus +, <i>“Joint innovative training and teaching/learning program in enhancing development and transfer knowledge of application of ionizing radiation in materials processing”</i>
28 September 2015 – 2 October 2015	Mobility at University of Palermo, Italy in the framework of Erasmus +, <i>“Joint innovative training and teaching/learning program in enhancing development and transfer knowledge of application of ionizing radiation in materials processing”</i>
November 2014-present	Researcher assistant - Flexible organic white electroluminescent diodes for illumination, PN-II-PT-PCCA-2013-4-1861

April 2014-November 2015	Researcher assistant - Biologically inspired systems for engineered structural and functional entities, PN-II-ID-PCCE-2011-2-0028
November 2013-present	PhD student at Petru Poni Institute of Macromolecular Chemistry, Iasi, Romania
October 2011-January 2013	Master of Science at the Natural and Synthetic Polymers Department, Faculty of Chemical Engineering and Environmental Protection, “Gheorghe Asachi” Technical University Iasi, Romania (Average: 10/10) Master of Science Thesis: “ <i>Chemical modifications of some oligosaccharides with the final purpose to use them as click reactions precursors</i> ” (Mark: 10/10)
February 2013 – May 2013	Erasmus Internship at Heinrich Heine University, Duesseldorf, Germany
March 2012 – July 2012	Erasmus Internship at École Supérieure de Chimie Physique Électronique de Lyon, France
2007-2011	Bachelor at Faculty of Chemical Engineering and Environmental Protection, “Gheorghe Asachi” Technical University Iasi, Romania (Average: 9.98/10) Bachelor of Science diploma title: “ <i>Polymeric hydrogels – an increasing factor of the stability of liposomes bearing active principles</i> ” (Mark: 10/10)

Mother tongue(s)		Romanian			
Other language(s)					
		Listening	Reading	Spoken interaction	Spoken production
Language	English	C1	B2	B2	C1
Language	Spanish	B2	B2	A2	A2
Language	German	A2	A1	A1	A1

Books Chapter	<p>"Biological Activity of Natural polysaccharides", Medical Applications of polymers, 2011</p> <p>„Polymersomes-Preparation, Characterization and Medical Applications”, Polymeric Nanomedicine, Bentham Science Publishers Ltd., 2012</p>
Conferences	<p>Daniela Ailincăi, Mariana Pinteala, Mihai Barboiu, Luminita Marin, Chitosan iminoboronate hydrogels with antifungal activity, <i>ACS on Campus</i>, 2016, Bucharest, Romania.</p> <p>Daniela Ailincăi, Mariana Pinteala, Bogdan C. Simionescu, Mihai Barboiu, Luminita Marin, Hydrogels based on chitosan and 2-formylphenyl boronic acid – promising materials for the treatment of Candida infections, <i>XIIth French-Romanian Polymer Meeting</i>, 2016, Sophia Antipolis, France.</p> <p>Daniela Ailincăi, Luminița Marin, Chitosan based hydrogels <i>via</i> iminoboronate motif as promising materials for the treatment of candidiasis, 2016, A-XXXIV-a The National Conference of Chemistry, Căciulata, Romania.</p> <p>Daniela Ailincăi, Non-Viral Gene Delivery Vectors based on Dynamic Hydrophobic – Hydrophilic Imines, Seventh Cristofor I. Simionescu Symposium Frontiers in Macromolecular and Supramolecular Science, Iasi, Romania, 4-5 June 2015.</p> <p>Daniela Ailincăi, Bogdan C. Simionescu, Luminita Marin, Polymer dispersed liquid crystals based on polyvinylalcohol boric acid matrix, International Conference on Materials Science, Applied Physics and Chemistry, London, United Kingdom, 28-29 June, 2015</p> <p>Daniela Ailincăi, Luminita Marin, Mihai Mares, Bogdan C. Simionescu, The synthesis and characterization of</p>

new imino-chitosan biopolymeric films with antimicrobial properties, 3^{ème} Colloque Franco-Roumain de Chimie Médicinale, 30-31 October 2014, Iasi, Romania.

Daniela Ailincăi, Luminita Marin, Dragos Peptanariu, Daniela Stan, Cristina Ana Constantinescu, Manuela Calin, Mariana Pinteala, Mihail Dumitru Barboiu, Synthèse et caractérisation d'un nouveau transporteur non-viral d'ADN, a base de benzaldehyde, jeffamine D et polyéthylèneimine (pei) ramifiée, 8^{ème} Colloque Franco-Roumain de Chimie Appliquée (COFrRoCA), 15-17 September 2014, Montpellier, France.

LIST OF PUBLICATIONS

- 1. Cyclodextrin-poly(ϵ -caprolactone) Based Nanoparticles, Able to Complex Phenolphthalein and Adamantyl Carboxylate**, Daniela Ailincăi, Helmut Ritter, *Beilstein Journal of Nanotechnology*, 5, 651–657, **2014**.
- 2. Imino-chitosan derivatives. Synthetic pathway and properties**, Daniela Ailincăi, Andrei Bejan, Irina Titorencu, Mioara Drobotă and Bogdan C. Simionescu, *Revue Roumaine de Chimie*, 59(6-7), 385-392, **2014**.
- 3. Monodisperse PDLC composites generated by use of polyvinylalcohol boric acid as matrix**, Luminita Marin, Daniela Ailincăi, Elena Paslaru, *RSC Advances* 4, 38397-38404, **2014**.
- 4. Imino-chitosan biopolymeric films. Obtaining, self-assembling, surface and antimicrobial properties**, Luminita Marin, Daniela Ailincăi, Mihai Mares, Elena Paslaru, Mariana Cristea, Valentin Nica, Bogdan C. Simionescu, *Carbohydrate Polymers*, 117, 762-770, **2015**.
- 5. Dynameric Frameworks for DNA transfection**, Luminita Marin, Daniela Ailincăi, Manuela Calin, Daniela Stan, Cristina Constantinescu, Laura Ursu, Florica Doroftei, Mariana Pinteala, Bogdan C. Simionescu, Mihai Barboiu, *ACS Biomaterials Science & Engineering*, **2016**.
- 6. Benzoate liquid crystal with direct isotropic-smectic transition and antipathogenic activity** Daniela Ailincăi, Luminita Marin, Sergiu Shova, Cristina Tuchilus, *Comptes Rendus Chimie*, **2016**, doi. org/10.1016/j.crci.2016.01.008.
- 7. PDLC composites based on polyvinyl boric acid matrix – a promising pathway towards biomedical engineering**, Daniela Ailincăi, Cosmin Farcau, Elena Paslaru & Luminita Marin, , *Liquid Crystals*, doi:10.1080/02678292.2016.1172353
- 8. Dual crosslinked iminoboronate-chitosan hydrogels with strong antifungal activity against Candida planktonic yeasts and biofilms** Daniela Ailincăi, Luminita Marin, Simona Morariu, Mihai Mares, Andra-Cristina Bostanaru, Mariana Pinteala, Bogdan C. Simionescu, Mihai Barboiu, *Carbohydrate Polymers*, **2016**, 152, 306–316.