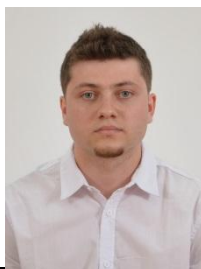


Curriculum Vitae



Personal information

First name / Surname	Bejan Andrei
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Nationality	Romanian

Education and training

2020 (April) – present	Scientific researcher - “Petru Poni” Institute of Macromolecular Chemistry, Iasi, Romania
2018 – 2020	PhD, researcher assistant - “Petru Poni” Institute of Macromolecular Chemistry, Iasi, Romania
2015 – 2018	PhD student – “Petru Poni” Institute of Macromolecular Chemistry, Iasi, Romania
2014 – 2015	Researcher assistant – “Petru Poni” Institute of Macromolecular Chemistry, Iasi, Romania
2013 – 2015	Master of Science at the Organic Chemistry Department, Faculty of Chemistry, “Alexandru Ioan Cuza” University, Iasi, Romania
2010 – 2013	Bachelor at Faculty of Chemistry, “Alexandru Ioan Cuza” University, Iasi, Romania

Mother tongue(s)

Romanian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2
French	B1	B1	A2	A2	A2

National and European projects – team member
(*“Petru Poni” Institute of Macromolecular Chemistry, Iasi, Romania*)

1. Researcher assistant - *“Flexible organic white electroluminescent diodes for illumination”*, PN-II-PT-PCCA-2013-4-1861.
2. Researcher assistant - *“Multifunctional dynamic hydrogels with tuned morphology for biomedical applications”*, PN-II-RU-TE-2014-4-2314.
3. Researcher assistant - *“Laboratory of Supramolecular Chemistry for Adaptive Delivery Systems ERA Chair initiative – Dynameric networks and gels for delivery, cell recognition and cell growth”*, Horizon 2020 WIDESPREAD 2-2014: ERA Chairs, Project no 667387.
4. Researcher assistant - *“Platforma hibrida de comunicatii prin lumina vizibila si realitate augmentata pentru dezvoltarea de sisteme inteligente de asistenta si siguranta activa a autovehiculelor”*, PN-III-P1-1.2-PCCDI-2017-0917.
5. Researcher assistant - *„Materials suitable for CO₂ capture and sequestration, through chemical reaction, based on azomethine derivatives”*, Romanian Academy – Joint Research Projects with the National Research Council of Italy.
6. Researcher assistant – *„Chitosan based hydrogels as luminescent chemosensors for detection and removal of heavy metals”*, Romanian – Chinese Joint Project, PN-III-P3-3.1-PM-RO-CN-2018-0098.
7. Researcher assistant – *„Smart Wound monitoring Restorative Dressings”*, H2020-MSCA-RISE-2019.

Mobilities (ERASMUS +)

1. **“Joint innovative training and teaching/learning program in enhancing development and transfer knowledge of application of ionizing radiation in materials processing”**, 5-15 September **2016**, Reims Champagne-Ardenne University, Reims, France.
 2. **“Joint innovative training and teaching/learning program in enhancing development and transfer knowledge of application of ionizing radiation in**
-

materials processing", 3-7 October **2016**, Kaunas Technological University, Kaunas, Lithuania.

3. Photophysical measurements, 10-24 November **2019**, Institute for Macromolecular Studies (**ISMAC**) of the Italian National Research Council (**CNR**), Milan, Italy.
4. Nanofibers preparation using chitosan, 31 August – 21 October **2024**, Student Science s.r.o., Prague, Czech Republic.

Publications

1. Camelia Miron, Bianca Andreica, Manuela M. Iftime, Adrian Fifere, Taishi Yamakawa, Shinya Toyokuni, Masaaki Mizuno, Liliana M. Tartau, **Andrei Bejan**, Yashiro Motooka, Takashi Kondo, Ion Sava, Valeria Harabagiu, Jun Kumagai, Ayako Tanaka, Hiromasa Tanaka, Luminita Marin, Masaru Hori, Cold plasma irradiation of chitosan: A straight pathway to selective antitumor therapy, *International Journal of Biological Macromolecules*, 2024, 281, 136513. 10.1016/j.ijbiomac.2024.136513
2. **Andrei Bejan**, Alexandru Anisie, Bianca-Iustina Andreica, Irina Rosca, Luminita Marin, Chitosan nanofibers encapsulating copper oxide nanoparticles: A new approach towards multifunctional ecological membranes with high antimicrobial and antioxidant efficiency, *International Journal of Biological Macromolecules*, 2024, 260, 129377. 10.1016/j.ijbiomac.2024.129377
3. **Andrei Bejan**, Luminita Marin, Outstanding Sorption of Copper (II) Ions on Porous Phenothiazine-Imine-Chitosan Materials, *Gels*, 2023, 9, 134. 10.3390/gels9020134
4. Stefania Zappia, Elena Perju, **Andrei Bejan**, Adina Coroaba, Filippo Bossola, Juqin Zeng, Daniele Sassone, Luminita Marin, Silvia Destri, William Porzio, Microporous Polymelamine Framework Functionalized with Re(I) Tricarbonyl Complexes for CO₂ Absorption and Reduction, *Polymers*, 2022, 14, 5472. 10.3390/polym14245472
5. **Andrei Bejan**, Florica Doroftei, Xinjian Cheng, Luminita Marin, Phenothiazine-chitosan based eco-adsorbents: A special design for mercury removal and fast naked eye detection, *International Journal of Biological Macromolecules*, 2020, 162, 1839-1848. 10.1016/j.ijbiomac.2020.07.232
6. Luminita Marin, **Andrei Bejan**, Sergiu Shova, Phenothiazine based co-crystals with enhanced luminescence, *Dyes and Pigments*, 2020, 175, 108164. 10.1016/j.dyepig.2019.108164

7. **Andrei Bejan**, Daniela Ailincăi, Bogdan C. Simionescu, Luminita Marin, Chitosan hydrogelation with a phenothiazine based aldehyde: a synthetic approach toward highly luminescent materials, *Polymer Chemistry*, 2018, 9, 2359-2369. 10.1039/C7PY01678F
8. **Andrei Bejan**, Luminita Marin, Phenothiazine based nanocrystals with enhanced solid state emission, *Journal of Molecular Liquids*, 2018, 265, 299-306. 10.1016/j.molliq.2018.05.125
9. **Andrei Bejan**, Luminita Marin, Phenothiazine-based dyes in solar cell technology, 2017, *Memoirs of the Scientific Sections of the Romanian Academy*, Tome XL.
10. Luminita Marin, **Andrei Bejan**, Daniela Ailincăi, Dalila Belei, Poly(azomethine-phenothiazine)s with efficient emission in solid state, *European Polymer Journal*, 2017, 95, 127-137. 10.1016/j.eurpolymj.2017.08.006
11. **Andrei Bejan**, Dragos Peptanariu, Bogdan Chiricuta, Elena Bicu, Dalila Belei, Low molecular weight microfibers with light sensing properties, *Materiale Plastice*, 2017, 54, 655-658.
12. **Andrei Bejan**, Sergiu Shova, Mariana-Dana Damaceanu, Bogdan C. Simionescu, Luminita Marin, Structure-directed functional properties of phenothiazine brominated dyes: morphology and photophysical and electrochemical properties, *Crystal Growth & Design*, 2016, 16, 3716-3730. 10.1021/acs.cgd.6b00212
13. **Andrei Bejan**, Luminita Marin, Bogdan Chiricuta, Daniela Ailincăi, Bogdan C. Simionescu, A new phenothiazine blue light emitter. Synthesis, structure and photophysical properties, *Revue Roumaine de Chimie*, 2016, 61, 291-297.
14. Daniela Ailincăi, **Andrei Bejan**, Irina Titorencu, Mioara Drobota, Bogdan C. Simionescu, Imino-chitosan derivatives. Synthetic pathway and properties, *Revue Roumaine de Chimie*, 2014, 59, 385-392.

Conferences

a) Oral communications

1. **Andrei Bejan**, Dalila Belei, Luminita Marin, Phenothiazine derivatives. The influence of the substituent upon optical and electrochemical properties, *Zilele*

- Universitatii “Alexandru Ioan Cuza”, Conferinta Facultatii de Chimie, 2014, Iasi, Romania.*
2. **Andrei Bejan**, Luminita Marin, Dalila Belei, Tuning the emission color of phenothiazine by introduction of electron-withdrawing groups, *ICMSAPC: XIII International Conference on Materials Science, Applied Physics and Chemistry, 2015, Londra, Marea Britanie.*
 3. **Andrei Bejan**, Luminita Marin, Mariana Pinteala, Mihai Barboiu, Brominated phenothiazine dyes with tuned emission color: Supramolecular structure, photophysical and electrochemical properties, *ACS on Campus, 2016, Bucuresti, Romania.*
 4. **Andrei Bejan**, Luminita Marin, Mariana Pinteala, Bogdan C. Simionescu, Phenothiazine dyes as efficient luminescent materials, *Ninth Cristofor I. Simionescu Symposium – Frontiers in Macromolecular and Supramolecular Science, 2017, Iasi, Romania.*
 5. **Andrei Bejan**, Luminita Marin, “Phenothiazine Based Nanocrystals With Tuned Solid State Emission”, *9th International Conference of the Chemical Societies of the South-East European Countries, 2019, Targoviste, Romania.*
 6. **Andrei Bejan**, Florica Doroftei, Xinjian Cheng, Luminita Marin, “Phenothiazine-chitosan based materials for mercury removal and fast naked eye detection”, *2020, The 1st International Electronic Conference on “Green” Polymer Materials.*
 7. **Andrei Bejan**, Luminita Marin, Bogdan Chiricuta, “Designing phenothiazine-based materials with high luminescence in solid state”, *Progress in Organic and Macromolecular Compounds, 2021, Iasi, Romania.*
 8. **Andrei Bejan**, Alexandru Anisie, Luminita Marin, “Chitosan/Quaternized chitosan – based nanofibers mesh as promising materials for air filtration”, *The 14th International Conference of the European Chitin Society (EUCHIS 2023) and the 15th International Conference on Chitin and Chitosan (15th ICCS), 2023, Siglufjörður, Islanda.*

b) Poster presentations

1. **Andrei Bejan**, Mariana Pinteala, Bogdan C. Simionescu, Luminita Marin, Phenothiazine dyes with tuned emission color, *Eigth Cristofor I. Simionescu Symposium – Frontiers in Macromolecular and Supramolecular Science*, **2016**, Iasi, Romania.
2. **Andrei Bejan**, Mariana Pinteala, Mihai Barboiu, Luminita Marin, Supramolecular luminescent chitosan gels, *Zilele Universitatii “Alexandru Ioan Cuza”*, *Conferinta Facultatii de Chimie*, **2016**, Iasi, Romania.
3. **Andrei Bejan**, Luminita Marin, Mariana Pinteala, Mihai Barboiu, Luminescent hydrogels based on imino-chitosan as promising materials in sensing applications, *EMN Meeting on Hydrogel Materials*, **2017**, Amsterdam, Olanda.
4. **Andrei Bejan**, Luminita Marin, Daniela Ailincăi, Dalila Belei, Polyazomethines based on phenothiazine dye with efficient green light emission in solid state, *EPF: European Polymer Federation Congress*, **2017**, Lyon, Franta.
5. **Andrei Bejan**, Anda Mihaela Olaru, Mariana Pinteala, Luminita Marin, Novel luminescent hydrogels based on chitosan, *4th International Conference on Bio-based Polymers and Composites*, **2018**, Balatonfured, Ungaria.
6. **Andrei Bejan**, Luminita Marin, Daniela Ailincăi, Poly(azomethine-phenothiazine) Dyes with Efficient Green Light Emission in Solid State, *European Polymer Congress (EPF)*, **2019**, Heraklion, Greece.
7. **Andrei Bejan**, Luminita Marin, “Outstanding sorption of copper (II) ions on porous phenothiazine-imine-chitosan materials”, *The 14th International Conference of the European Chitin Society (EUCHIS 2023) and the 15th International Conference on Chitin and Chitosan (15th ICC)*, **2023**, Siglufjörður, Islanda.