

Andreica Bianca

PhD Student

Work Experience

Research Assistant, "Petru Poni" Institute of Macromolecular Chemistry, Iasi, Romania

November 2020 - Present

Research Assistant, Team member, "Eco-Nanomaterials Based on Chitosan for Applications of Contemporary Interest", PN-III-P4-ID-PCE-2020-2717 (Part-Time), Iasi, Romania

December 2020 - Present

Research Assistant, Team member, "Resorbable Bandage with "On Demand" Norfloxacin Release for the Healing of Burn Wounds", PN-III-P2-2.1-PED-2019-5071 (Part-Time), Iasi, Romania

December 2019 - December 2021

Research assistant, Team member, "Inchiderea lanturilor de valoare din bioeconomie prin obtinere de bioproduse innovative cerute de piata", PN-III-P1-1.2-PCCDI-2017-0569 (Part-Time), Iasi, Romania

October 2018 - December 2020

Customer Service Advisor, Capgemini Services Romania, Iasi

August 2018 - July 2019

Debt collector, EOS KSI Romania, Iasi

July 2017 - October 2017

Education

PhD Student, "Petru Poni" Institute of Macromolecular Chemistry

November 2020 - Present

Master, "Alexandru Ioan Cuza" University of Iasi, Faculty of Chemistry

October 2018 - July 2020

Bachelor, "Alexandru Ioan Cuza" University of Iasi, Faculty of Chemistry

October 2015 - April 2018

Courses

Personal Info

andreica.bianca@icmpp.ro

(+40) 737354558

Iasi, Romania

Nationality

română

Driving License

B

Date of birth

26/03/1996

Skills

Microsoft Office

ChemDraw

OriginPro

MestReNova

Efficient communication

Problem-solving

Good team-work

Languages

Romanian



English



Summer School A+, Antibiotice SA

July 2018 - August 2018

Internship, Praxis Laboratory

June 2016 - July 2016

Psychopedagogical Modules I and II, "Alexandru Ioan Cuza"

University, Iasi

October 2015 - July 2020

Volunteering

Asociația Studenților Chimiști Ieșeni (ASCIS)

November 2015 - November 2019

References

References available upon request

Bianca-Iustina Andreica, Xinjian Cheng, Luminita Marin, Quaternary ammonium salts of chitosan. A critical overview on the synthesis and properties generated by quaternization, *European Polymer Journal* (2020) 139.

<https://doi.org/10.1016/j.eurpolymj.2020.110016>

Bianca-Iustina Andreica, Daniela Ailincăi, Andreea-Isabela Sandu, Luminita Marin, Amphiphilic chitosan-g-poly(trimethylene carbonate) – A new approach for biomaterials design, *International Journal of Biological Macromolecules*, (2021) 193.

[10.1016/j.ijbiomac.2021.10.174](https://doi.org/10.1016/j.ijbiomac.2021.10.174)

Bianca-Iustina Andreica, Alexandru Anisie, Irina Rosca, Andreea-Isabela Sandu, Aurelian Sorin Pasca, Liliana Mititelu-Tartau, Luminita Marin, Quaternized chitosan/chitosan nanofibrous mats: An approach toward bioactive materials for tissue engineering and regenerative medicine, *Carbohydrate Polymers*, (2023) 302.

<https://doi.org/10.1016/j.carbpol.2022.120431>

Luminita Marin, Bianca-Iustina Andreica, Alexandru Anisie, Sandu Cibotaru, Maria Bardosova, Elsa Maria Materon, Osvaldo Novais Junior Oliveira, Quaternized chitosan (nano)fibers: A journey from preparation to high performance applications, *International Journal of Biological Macromolecules*, (2023) 242.

[10.1016/j.ijbiomac.2023.125136](https://doi.org/10.1016/j.ijbiomac.2023.125136)

Bianca-Iustina Andreica, Alexandru Anisie, Irina Rosca, Luminita Marin, Quaternized chitosan-based nanofibers with strong antibacterial and antioxidant activity designed as ecological active food packaging, *Food Packaging and Shelf Life*, (2023) 39. <https://doi.org/10.1016/j.fpsl.2023.101157>

Sandu Cibotaru, Daniela Ailincăi, Bianca-Iustina Andreica, Xinjian Cheng, Luminita Marin, TEGylated Phenothiazine-Imine-Chitosan Materials as a Promising Framework for Mercury Recovery, *Gels*, (2022) 8. <https://doi.org/10.3390/gels8110692>

Alexandru Anisie, Bianca-Iustina Andreica, Liliana Mititelu-Tartau, Corneliu Coman, Rostyslav Bilyy, Galyna Bila, Irina Rosca, Andreea-Isabela Sandu, Evžen Amler, Luminita Marin, Biodegradable trimethyl chitosan nanofiber mats by electrospinning as bioabsorbable dressings for wound closure and healing, *International Journal of Biological Macromolecules*, (2023) 249. [10.1016/j.ijbiomac.2023.126056](https://doi.org/10.1016/j.ijbiomac.2023.126056)

Conferences

Bianca-Iustina Andreica, Daniela Ailincăi, Luminita Marin, Ring-Opening Polymerization as a technique for the obtaining of soluble chitosan derivatives, ICMPP - open door to the future scientific communications of young researchers (MacroYouth'2020), 1st edition, Iasi, Romania, 19 November 2020.
Oral communication

Bianca-Iustina Andreica, Irina Rosca, Luminita Marin, Synthesis and characterization of novel imine derivatives of quaternary ammonium salt of chitosan, ICMPP - open door to the future scientific communications of young researchers (MacroYouth'2021), 2nd edition, Iasi, Romania, 19 November 2021.
Oral communication

Bianca-Iustina Andreica, Irina Rosca, Luminita Marin, Development of biomaterials based on quaternized chitosan, International Congress of "Apollonia" University of Iasi, 32nd edition, Iasi, Romania, 28 February – 2 March 2022.
Oral communication

Alexandru Anisie, Bianca-lustina Andreica, Luminita Marin, Chitosan-based nanofibers for wound dressing applications, International Congress of "Apollonia" University of Iasi, 32nd edition, Iasi, Romania, 28 February – 2 March 2022.

Oral communication

Bianca-lustina Andreica, Irina Rosca, Luminita Marin, Design and properties of newly developed imino-quaternized chitosan biomaterials, International Conference on Materials Science and Engineering (BraMat 2022), 12nd edition, Brasov, Romania, 9-11 March 2022.

Oral communication

Alexandru Anisie, Bianca-lustina Andreica, Luminita Marin, Biodegradable chitosan/quaternized chitosan nanofibers as wound dressings, International Conference on Materials Science and Engineering (BraMat 2022), 12nd edition, Brasov, Romania, 9-11 March 2022.

Oral communication

Luminita Marin, Alexandru Anisie, Bianca-lustina Andreica, Liliana Mititelu-Tartau, Rostyslav Bilyy, Galyna Bila, Irina Rosca, Andreea-Isabela Sandu, Evžen Amler, Quaternized chitosan based nanofibers as bioabsorbable wound dressings, International Conference of the European Chitin Society (EUCHIS 2023), 14th edition, Siglufjörður, Iceland, 11– 14 September 2023.

Oral communication

Bianca-lustina Andreica, Irina Rosca, Luminita Marin, Composites nanofibers based on quaternized chitosan for food packaging, 8th EPNOE International Polysaccharides Conference (EPNOE 2023), Graz, Austria, 18 – 22 September 2023.

Oral communication

Sandu Cibotaru, Daniela Ailincăi, Bianca-lustina Andreica, Luminita Marin, TEGylated phenothiazine-chitosan based frameworks for mercury recovery, 8th EPNOE International Polysaccharides Conference (EPNOE 2023), Graz, Austria, 18 – 22 September 2023.

Oral communication

Luminita Marin, Alexandru Anisie, Bianca-lustina Andreica, Liliana Mititelu-Tartau, Rostyslav Bilyy, Galyna Bila, Irina Rosca, Andreea-Isabela Sandu, Evžen Amler, Nanofibers based on quaternized chitosan as bioabsorbable wound dressings, 8th EPNOE International Polysaccharides Conference (EPNOE 2023), Graz, Austria, 18 – 22 September 2023.

Oral communication

Bianca-Iustina Andreica, Daniela Ailincăi, Luminita Marin,
Synthesis and characterization of a novel chitosan derivative
using trimethylene carbonate, 9th International Conference of
the Chemical Societies of the South-East European Countries,
Targoviste, Romania, 8 - 11 May 2019.

Poster

Bianca-Iustina Andreica, Daniela Ailincăi, Luminita Marin,
Chitosan based copolymers with enhanced solubility properties,
13th Students' Congress of SCTM, Skopje, Macedonia, 19 - 21
September 2019

Oral communication

Bianca-Iustina Andreica, Irina Rosca, Luminita Marin,
Biomaterials based on imino-quaternary ammonium salts of
chitosan; synthesis and characterization, EPF European Polymer
Congress 2022, Prague, Czech Republic, 26 June - 1 July 2022.

Poster

Bianca-Iustina Andreica, Daniela Ailincăi, Luminita Marin,
Synthesis of chitosan based derivatives with improved solubility
in water, towards biomaterials' design, EPF European Polymer
Congress 2022, Prague, Czech Republic, 26 June - 1 July 2022.

Poster

Alexandru Anisie, Bianca-Iustina Andreica, Luminita Marin,
Electrospinning of chitosan/quaternary salts of chitosan
nanofibers for biomedical application, EPF European Polymer
Congress 2022, Prague, Czech Republic, 26 June - 1 July 2022.

Poster

Bianca-Iustina Andreica, Alexandru Anisie, Irina Rosca,
Andreea-Isabela Sandu, Liliana Mititelu-Tartau, Luminita Marin,
Binary chitosan/quaternized chitosan nanofibers – from design
to possible applications, Workshop do Instituto Nacional de
Eletronica Organica (INEO) 2023, Nazare Paulista, Brazil, 2 – 6
April 2023.

Poster

Sandu Cibotaru, Daniela Ailincăi, Bianca-Iustina Andreica,
Luminita Marin, Mercury recovery frameworks based on
TEGylated phenothiazine-chitosan xerogels, Workshop of
Instituto Nacional de Eletronica Organica (INEO) 2023, Nazare
Paulista, Brazil, 2 – 6 April 2023.

Poster

Bianca-Iustina Andreica, Alexandru Anisie, Irina Rosca,
Andreea-Isabela Sandu, Liliana Mititelu-Tartau, Luminita Marin,
Chitosan/quaternized chitosan nanofibers designed for
biomedical applications, 8th EPNOE International
Polysaccharides Conference (EPNOE 2023), Graz, Austria, 18 – 22
September 2023.
Poster

Scientometric profile

8 ISI papers (cumulative impact factor 54.6); 2 patent requests;
93 citations (84 without self-citations) in Web of Science, Hirsh
index 4; 119 citations in Google Scholar, Hirsh index 4; 17 oral
presentations and posters presented at international and
national scientific meetings; 4 Projects (1 European, 3 national)
as team member; 2 mobility stages.