



Curriculum vitae Europass



Personal information

Surname(s) **Coșuțchi (married Barzic)**
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Nationality Romanian

Current working place

Department of Physical Chemistry of Polymers, "Petru Poni" Institute of Macromolecular Chemistry - Iași, Romania

Occupational field

Research

Work experience

Dates 2015-present
Occupation or position held Scientific researcher III
Main activities and responsibilities Research on transport properties and light propagation in polymer systems
Name and address of employer "Petru Poni" Institute of Macromolecular Chemistry - Iași, Romania
Type of business or sector Research

Dates 2010-2015
Occupation or position held Scientific researcher
Main activities and responsibilities Research on rheology and optical properties thermostable imidic polymers
Name and address of employer "Petru Poni" Institute of Macromolecular Chemistry - Iași, Romania
Type of business or sector Research

Dates 2005-2010
Occupation or position held Research Assistant
Main activities and responsibilities Research on dielectric and morphological features of polymer materials
Name and address of employer "Petru Poni" Institute of Macromolecular Chemistry - Iași, Romania
Type of business or sector Research

Education and training

Dates 2010-2014
Title of qualification awarded PhD in Physics
Principal subjects/occupational skills covered Materials with optical and spectral properties for biomedical field
Name and type of organisation providing education and training Faculty of Physics, "Alexandru Ioan" University from Iași, Romania

Dates	2010-2013
Title of qualification awarded	Postdoctoral student
Principal subjects/occupational skills covered	Polymer materials with morphological and dielectric features for advanced technologies
Name and type of organisation providing education and training	"Petru Poni" Institute of Macromolecular Chemistry, Iași, Romania - European Social Fund - "Cristofor I. Simionescu" Postdoctoral Fellowship Programme (POSDRU/89/1.5/S/55216)
Dates	2005-2009
Title of qualification awarded	PhD in Chemistry
Principal subjects/occupational skills covered	Thermodynamic and morphology of complex polymer systems
Name and type of organisation providing education and training	"Petru Poni" Institute of Macromolecular Chemistry, Iași, Romania
Dates	2005-2007
Title of qualification awarded	Master's degree
Principal subjects/occupational skills covered	Plasma physics, spectroscopy, polymer physics
Name and type of organisation providing education and training	Faculty of Physics, "Alexandru Ioan" University from Iași, Romania
Dates	2001-2005
Title of qualification awarded	Bachelor's degree in Physics
Principal subjects/occupational skills covered	Specific fields of physics
Name and type of organisation providing education and training	Faculty of Physics, "Alexandru Ioan" University from Iași, Romania
Dates	1997-2001
Title of qualification awarded	High School diploma
Principal subjects/occupational skills covered	Exact sciences
Name and type of organisation providing education and training	"Mihai Eminescu" High School from Iași, Romania

Personal skills and competences

Mother tongue(s) Romanian
Other language(s)

Self-assessment
European level ()*

English
Spanish
Italian

Understanding		Speaking		Writing
Listening	Reading	Spoken interaction	Spoken production	
B1	B1	B1	B1	B1
B1	B1	B1	A2	A1
B1	B1	B1	A2	A1

(*)Common European Framework of Reference for Languages

Social skills and competences

Good communication, collaboration and cooperation with co-workers and other staff

Management skills and competences

Good skills regarding the management of research projects as project manager
Management of the working team as the person in charge of the research project "Transport processes in multicomponent polymer systems" within the Department of Physical Chemistry of Polymers from "Petru Poni" Institute of Macromolecular Chemistry, Iași, Romania

Organisational skills and competences	Ability to analyze, assist, coordinate, organize and plan various activities Organizer of international scientific events: member of the organizing committee of the International Conference on Analytical Chemistry ROICAC 2016
Computer skills and competences	Computer programs: MicrosoftWord, Excel, PowerPoint, FrontPage, Mathcad, IrfanView, SigmaPlot
Other skills and competences	
Scientific contributions	> 50 research articles in ISI journals 12 books and book chapters appeared in national and international publishers 26 papers published in proceedings of national and international conferences >30 oral presentations as author/co-author Leader of 2 research projects with national funding and member in 7 research projects
Reviewer experience	Referee since 10+ years for many ISI-indexed journals among which: Polymer Bulletin, Polymer International, Polymer Composites, Spectroscopy Letters, Journal of Molecular Structure, Spectrochimica Acta Part A, Polymer Engineering and Science, Macromolecular Research, ACS Omega Referee at International Conference on Photonics, Optics and Laser Technology - PHOTOPTICS 2019 and 2020 (Prague, Czech Republic)
Research internships	26.11.2011-6.12.2011: Centre of Polymer and Carbon Materials of Polish Academy of Sciences, Gliwice, Polonia 11.06.2012-16.06.2012: Organic Chemistry Center "Costin D. Nenitescu" of the Romanian Academy, Bucharest, Romania 24.01.2013-1.03.2013: Centre de Mise en Forme des Materiaux, Sophia -Antipolis, France
Training courses/ Summer schools	6.03.2011-13.03.2011: Bioactive/biocompatible polymeric materials, training, Zabrze, Polonia 25.07.2011-30.07.2011: Trends in the synthesis and characterization of advanced materials for applications in biology and medicine, training, Timișoara, România 21.01.2012 - 28.01.2012: Open problems in systems chemistry, training, Montpellier, Franța 12.03.2012-16.03.2012: Advances in biomaterials, training, Viena, Austria 8.07.2013-13.07.2013: 'Strengthening the Romanian research capacity in multifunctional polymeric materials - STREAM', Summer school organized by "Petru Poni" Institute of Macromolecular Chemistry, Iași, România 13.10. 2014 – 15.03. 2015: Data entry, validation and processing operator (OIVPD), training course organized within the project "PECAFROM - Promoting equal opportunities in the university and academic career for women in Romania" POSDRU/144/6.3/S/127928, implemented by Romanian Academy, Iași, România
Research directions	Transparent polymers, with controllable refractive indexes for opto-electronic applications Textured polymer surfaces with applications in electronics or medicine Polymer materials with partial ordering in external fields Multi-phase polymeric systems with adaptable transport features
Scientific visibility	Hirsch index: 11 (Web of Science, calculated by cumulating Cosutchi and A.I. Barzic A.I.) Citation: 151 (Web of Science, without self-citations)