


 PERSONAL INFORMATION **Mariana PINTEALA**

## WORK EXPERIENCE

2007-present	<b>Senior researcher (CS I)</b> 2011-present Leader of the IntelCentre ( <a href="http://www.intelcentru.ro">www.intelcentru.ro</a> )
2000-2007	<b>Senior Researcher CSII</b>
1997-2000	<b>Researcher CSIII</b>
1990-1997	<b>Researcher CS</b>
1987-1990	<b>Chemical Eng.</b>
	"Petru Poni" Institute of Macromolecular Chemistry, Iasi, Romania, <a href="http://www.icmpp.ro">www.icmpp.ro</a> ( <a href="http://www.intelcentru.ro">www.intelcentru.ro</a> ), Aleea Grigore Ghica Voda, 41A, Iasi 700487, Romania.
	Organic syntheses, macromolecular compounds and supramolecular structures
	Fundamental and applicative research
1986-1987	<b>Chemical Eng.</b>
	Centre for Pharmaceutics, Iasi, Romania
	Organic synthesis
	Applicative research
1984-1986	<b>Chemical Eng</b>
	Antibiotics Factory, Iasi, Romania
	Organic synthesis
	Eng. In technological flux

## EDUCATION AND TRAINING

1996 (6 months), 1997 (3 months), 1998 (5 months)	<b>Postdoctoral position</b> CNRS - Universite d'Evry-Val d'Essonne, France (prof. H. Cheradame)
	- Structure-property relationship evaluation, data analysis, and interpretation - Interpolymer complexes between hydrophobic-hydrophilic copolymers - Blend and Networks Containing Silicon-Based Polymers
2000 (6 months), 2003 (3 months), 2004-2005 (9 months), 2008 (3 months)	<b>Postdoctoral position</b> University of Detroit Mercy, USA (prof. S. Schlick)
	- ESR spectroscopy in the degradation of poly (phenyl- ether- ether- ketone) or perfluorinated membranes for fuel cells - Structure-property relationship evaluation, data analysis, and interpretation.
1990-May 1995	<b>Ph.D diploma</b> "Gh. Asachi" Technical University of Iasi, Romania
	Carbofunctional Siloxane Oligomers. Synthesis, Properties and Applications, advisor: Acad. Bogdan C. Simionescu
September 1978- June 1984	<b>MEng in Organic chemical technology</b> Polytechnic Institute, Iasi, Romania
	Technology of organic chemistry

## PERSONAL SKILLS

Mother tongue Romanian

Other language(s)

UNDERSTANDING	SPEAKING	WRITING
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	Listening	Reading	Spoken interaction	Spoken production	
English	B1	B1	B1	B1	C2
French	B2	B2	B1	B1	A1

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user  
[Common European Framework of Reference for Languages](#)

### Job-related skills

**Expertise fields:** ★ development of new polymer-based materials: supramolecular (co)polymers assemblies for industrial applications; ★ polymer-functionalized nanoparticles; ★ interpolymer complexes between hydrophobic – hydrophilic copolymers; ★ blend and networks containing silicon-based polymers; ★ aggregation of block copolymers in solution by fluorescene; ★ synthesis and characterization of polymers and copolymers (especially Siloxane Containing Block Copolymers), ★ cationic, anionic and radical copolymerization, ★ structure-property relationship evaluation, data analysis and interpretation; ★ biopolymer-based nanocomposites for biomedical applications; ★ dynamic polymeric matrixes for tissue engineering ; ★ antifungal nanotherapeutics; focal gene and drug delivery systems; ★ synthesis and characterization of silicone resins; ★ PEO membranes; ★ ESR spectroscopy in the degradation of poly(phenyl- ether- ether- ketone) or perfluorinated membranes for fuel cells.

**Scientific activity:** ★ Books/chapter books, int'l publishers: 1/10; ★ publications in ISI journals: more than 150 papers (H-index 20, i10-index 41 from *Google scholar*). Moreover, most papers have been published in collaboration with EU teams or with researchers from France, USA, Turkey and Russia.

**Patents:** 4

**Research contracts:**

- coordinator of the SupraChem Lab project, the H2020 WIDESPREAD 2-2014: ERA Chairs initiative (Project no 667387, 2.7 MEuro);
- coordinator of 6 EU bilateral projects;
- coordinator of a 5,000,000 Euro project aiming to increase the research infrastructure of the Institute (and of Romania, as a whole) through the creation of a “CENTRE OF ADVANCED RESEARCH IN BIONANOCONJUGATES AND BIOPOLYMERS” (2009-2012, [www.intelcentru.ro](http://www.intelcentru.ro)) and now Mariana Pinteala is the director of the newly created Centre;
- coordinator of 7 national projects, one of that “BIOLOGICALLY INSPIRED SYSTEMS FOR ENGINEERED STRUCTURAL AND FUNCTIONAL ENTITIES” of 1.6 MEuro (2012-2016, [http://www.intelcentru.ro/Biomimetics\\_PCCE/](http://www.intelcentru.ro/Biomimetics_PCCE/) ), having as team members recognized scientists from France and US;
- teams leader in consortium projects: 7.

**International conferences:** more than 40 (30 abroad, some as invited speaker)

**Evaluator:** for Romanian National Science Councils

**Member:** of Chemistry Society of Romania; of CNATDCU Chemistry Commission

**Awards:** “Nicolae Teclu” Prize of the Romanian Academy; Diploma of honor of Chemistry Society of Romania/2015; Fulbright senior fellowship /2015-2016.

**Reviewer:** reviewer for papers in Carbohydrate Polymers, Textile Research Journal, NASA, ACS Applied Materials & Interfaces, Pharmaceutical Biology, Macromolecules, Polymers, etc.

**Skills:** ★ ability to initiate and conduct research projects; ★ capable of making decisions at the administrative level and able to conduct research either independently or as a team member; ★ working on international grants and industrial projects with teams of researchers in/from diverse countries; ★ adaptive to new research environments and circumstances.