

B2. Curriculum vitae

First name / Surname: Mariana Pinteala

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Occupation / position: Senior researcher (CSI), Leader of Centre of advanced research in bionanoconjugates and biopolymers Department (**IntelCentre**) of ICMPP

(a) Education, degrees and diplomas:

1998, 1997 and 1996: Post-doc: CNRS - Universite d'Evry-Val d'Essonne, France (prof. H. Cheradame), three research periods of four, two and six months, respectively;

1995: Ph.D: "Gh. Asachi" Technical University of Iasi, Romania – "Carbofunctional Siloxane Oligomers. Synthesis, Properties and Applications", advisor: Acad. Bogdan C. Simionescu;

1984: BS and MS at Chemical Engineering Faculty, Organic Chemistry Department, "Gh. Asachi" Technical University of Iasi (former Polytechnic Institute), Romania.

(b) Professional experience, former employers

2007 – present: Senior Researcher (CS I) at ICMPP.

2011 – present: Leader of IntelCentru Department of ICMPP.

During 2009-2011 I implemented a project that led to the development of a specific infrastructure (IntelCentre - www.intelcentru.ro of 5MEuro from EU structural Funds), which allowed me for the creation of an *interdisciplinary group* and attracting funds, as coordinator, for the *design, synthesis and testing of nanoconjugates for transport and release of genes or drugs* (representative are: PN-II-ID-PCCE-2011-2-0028 - „*Biologically inspired systems for engineered structural and functional entities*” (http://www.intelcentru.ro/Biomimetics_PCCE/, 2012-2016, 1.8M€) and H2020 project, no. 667387, 2016-2020 – “*Laboratory of supramolecular chemistry for adaptive delivery systems era chair initiative*” (http://www.intelcentru.ro/suprachem_lab/, 2015-2020, 2.4€M) and, also, I coordinated 4 EU bilateral, 2 PCCDI projects and 2 grants with industry (Zeelendia-Holland, Corthotec-UK).

2000 - 2008: Research Associate at the University of Detroit Mercy (Prof. Shulamith Schlick); invited researcher to develop new types of poly(siloxane-b-methacrylic acid) copolymers and to train graduate students.

2000 - 2008: Four corroborative research periods at “L’Ecole des Mines du Paris” France.

1987 - 2006: Scientist (CS-1996, CSIII - 1998, CSII - 2000) at ICMPP, Iasi;

1989 - 1991: Lecturer, Organic Chemistry Department, Gh. Asachi” Technical University, Iasi.

1984 - 1987: Chemical Engineer, Antibiotics Factory, Iasi, Romania.

Awards: *a)* “C.I. Simionescu” Award for excellence in macromolecular chemistry - Romanian International Chapter of ACS - ACS Chemistry for life/2017; *b)* Diploma de excelență Programul “Brâncuși-Hubert Curien”/2015-2016; *c)* Diplomă de onoare S. Ch. R/ 2015; *d)* Senior Fulbright fellowship/2016-2017; *e)* “N. Teclu” Prize of the Romanian Academy/1994.

Supervisor of PhD thesis: *a)* Habilitation for supervising PhD thesis/2010 (supervised 7 PhD theses and 5 are in progress); *b)* Expert body evaluators to research projects and member of National Council for Attestation of University Titles, Diplomas and Certificates (UEFISCDI).

2017 – present: Member of several Advisory Boards of doctoral school: “Grigore T. Popa” Univ. of Medicine and Pharmacy, Iasi; “Al.I. Cuza” Univ., Iasi; “Gh Asachi” Technical Univ., Iasi

2012 – present: Scientific member for PhD and habilitation thesis: more than 20 in Romania, 1 Karunya University, India (2014); Nice University (2015), Nanyang Technological University (2012).

2012 – present Coordination and implementation of different projects: on-going projects (<http://www.intelcentru.ro/en/>).

Reviewing Activities:

2012 –present Peer reviewer: ELSEVIER (J Mol Liq, Mater Sci Eng C, Carbohyd Polym, J Mol Catal B Enzym, Chem Eng J, Bioorg Chem, Arab J Chem), ACS (Macromolecules, ACS Nano), RSC (Phys Chem Chem Phys), MDPI (Polymers, Molecules).

2020 - member in Editorial Board of Molecules.

Conferences: more than 60 participations as speaker, 3 as Plenary speaker; 2 as Invited speaker.

Memberships of scientific societies

2010 - Association of Romanian Engineers (<https://www.feani.org/members/romania>) and Romanian Chemical Society (<http://www.schr.ro>)

Expertise: *Synthesis and characterization of nanoconjugates (core: Fullerene C₆₀, cyclodextrins, magnetite, gold oxide, cerium oxide) with biomedical application; *Inclusion complexes of cyclodextrins/modified cyclodextrins with different bioactive molecules; *Pseudo- and polyrotaxanes of cyclodextrins with (co)polymers; *Synthesis and characterization of polymers and copolymers; *Cationic, anionic, and radical copolymerization; *Structure-property relationship evaluation, data analysis, and interpretation.

(c) Scientometric indicators: according to Web of Science: more than 150 papers (92 / 2012-2020) in ISI journals; H-index: 20 (978 citations, without self-citations); Google scholar H-index: 22 (1568 citations).

(d) Profile adress from: ORCID ID: 0000-0002-4021-982X; Scopus Author ID: 6603789888; BrainMap ID: U-1700-038P-7183; ResearcherID: B-8679-2011.

Skills: Ability to initiate and conduct research projects.

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