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Anca Petran

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WORK EXPERIENCE

01/04/2012 - CURRENT - CLUJ-NAPOCA, ROMANIA

RESEARCHER ASSISTANT, SCIENTIFIC RESEARCHER, R3 NATIONAL INSTITUTE FOR RESEARCH AND DEVELOPMENT OF ISOTOPIC AND MOLECULAR TECHNOLOGIES

Synthesis and characterization of hybrid materials based on polymers (polycatechol amines, polyesters), coatings or metal oxide nanoparticles with applications in biomedicine, wastewater depollution, photocatalysis, etc.

EDUCATION & TRAINING

01/10/2007 - 21/03/2012 - CLUJ-NAPOCA, ROMANIA

PHD IN CHEMISTRY - FACULTY OF CHEMISTRY AND CHEMICAL ENGINEERING, "BABES-BOLYAI" UNIVERSITY

01/10/2006 - 01/07/2007 - CLUJ-NAPOCA, ROMANIA

MSC IN ADVANCED ORGANIC CHEMISTRY - FACULTY OF CHEMISTRY AND CHEMICAL ENGINEERING, "BABES-BOLYAI" UNIVERSITY

01/10/2002 - 01/07/2006 - CLUJ-NAPOCA, ROMANIA

B. SC. GENERAL CHEMISTRY - FACULTY OF CHEMISTRY AND CHEMICAL ENGINEERING, "BABES-BOLYAI" UNIVERSITY

LANGUAGE SKILLS

Mother tongue(s): **ROMANIAN**

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C2	C1	C1	C1	B2

SKILLS

Communication skills | Microsoft Office | Zoom | Social Media | Microsoft Powerpoint

PROJECTS

01/03/2021 - 31/03/2024

Polydopamine analogues as fluorescent coating for magnetic nanoparticles Project manager for Young Researcher Team - TE 131 din 24/05/2022 (PN-III-P1-1.1-TE-2021-0048)

General Objective: Obtaining new polydopamine analogues based on N-substituted monomers at the C1 alkyl position and studying their fluorescence both as a self-polymer and as a coating for various surfaces especially magnetite for imagistics.

01/03/2008 - 31/03/2009

Design, Synthesis, Structural Analysis and Supramolecular Properties of New Host Molecules CNCSIS-BD 3912008-2010, founded by CNCSIS, 10810 euro.
http://uefiscdi.gov.ro/userfiles/file/BURSE%20BD/Rez_BD_2008_NOI.pdf

01/10/2009 - 31/03/2010

Lipid-Containing Oligo Peptide Nucleic Acids for Functionalization of Biocompatible Membranes
Deutscher Akademischer Austauschdienst DAAD – 2009-2010 at Humboldt University Berlin-Germany

NETWORKS AND MEMBERSHIPS

01/10/2007 - CURRENT Romania
Romanian Chemical Society

RESEARCH INTERSHIPS

scientific researcher - Humboldt University Berlin-Germany 2008-2010

Workshops

- 23-24 Nov. 2007: Cluj Napoca, Romania: Workshop in Material Science and Catalysis in DAAD program of Stability Pact for South Eastern Europe Sponsored by Germany in collaboration with Leipzig University Germany .

- 30 Sept.- 06 Oct. 2007: Skopje, Macedonia: Seventh Congress of Pure and Applied Chemistry for the Students of Macedonia with International Participation by DAAD, program: Stability Pact For South Eastern Europe Sponsored by Germany in collaboration with Leipzig University Germany.