

PERSONAL INFORMATION

Oana CRACIUNESCU

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🌐 www.incdsb.ro

OCCUPATIONAL FIELD

Research and experimental development of scaffolds and natural bioactive compounds for tissue engineering and regenerative medicine, cosmetics and nutraceuticals

WORK EXPERIENCE

June 2014 – Present

May 2006 – May 2014

Jan. 2001 – Apr. 2006

Oct. 1991 – Jan. 2001

Senior researcher gr. I

Scientific researcher gr. II

Scientific researcher gr. III

Research assistant, Scientific researcher

Employer: National Institute of Research and Development for Biological Sciences (NIRDBS), 296, Splaiul Independentei, 060031, Bucharest, Romania, www.incdsb.ro, Tel: +40 212207780, Fax: +40 212207695

Main activities and responsibilities: Project Manager of complex partnership research projects PN III Bioeconomy PCCDI 10/2018-2020, PN II Biotechnologies 61012/2007-2010, PN I VIASAN 368/2004-2006 and VIASAN 179/2002-2004;

Responsible at Nucleu Project BIODIVERS 104/2016-2017 and BIOSTAR 107/2005-2008; **R&D activity** within 40 research projects; **Mentoring** of new assistant researchers and Master, PhD students

Dissemination of original results as 100 articles, 58 published in scientific journals with impact factor and 156 communications at international conferences;

Inventics activity – 22 patents granted by OSIM, 1 awarded at INNOVA-2010, Bruxelles

Member of the Scientific Council of NIRDBS

Scientific competence: Biomedical and biopharmaceutical biotechnologies; Bioeconomy

Development of technologies for novel products (22 patented) as polymeric composite bio(nano)materials based on animal and vegetable extracts, ceramics and plastic materials, lipid and metallic nanostructures, in order to be used in tissue engineering as scaffolds for tissue engineering and/or controlled delivery systems;

Physico-chemical, biochemical and biological evaluation of biomaterials, nanostructures and their constructs with (stem) cells designed for regenerative medicine (skin, bone, cartilage, etc);

Analysis of the antioxidant, anti-inflammatory and photoprotective properties of bioactive compounds and their role in the repair of wounded tissues using *in vitro* and *in vivo* experimental models;

Biochemical and biological analyses of bioactive compounds of animal origin (collagen, elastin, glycosaminoglycans, etc) and plant origin (polyphenols, polysaccharides, etc) for the development of new products with biomedical applications

Business or sector: Research and experimental development on natural sciences and engineering (CAEN code 7219)

EDUCATION AND TRAINING

18-24 Jun. 2019	Training course	
	Frontier Management Consulting srl	
21-25 Mar. 2016	Virtual course	ISCED 6
	Australian Institute for Innovative Materials and University of Wollongong	
May 2012 – Apr. 2013	Bioprinting: 3D Printing Body Parts	
	Postdoctoral research stage	ISCED 6
Oct. 1997 – June 2005	Institute of Biochemistry of the Romanian Academy, Bucharest, Romania	
	<ul style="list-style-type: none"> • Research project – Lipid nanostructures as controlled delivery systems for anti-inflammatory bioactive molecules (ESF POSDRU/89/1.5/S/60746) • Research management course, Genomics, proteomics, metabolomics and bioinformatics courses, Biomaterials, nanostructures and pharmacophores courses 	
23-29 June 2005	Ph. D. in Exact Sciences, Chemistry	ISCED 6
	University Politehnica of Bucharest, Faculty of Industrial Chemistry, Romania	
14-18 July 1997	Ph. D. Thesis – Characterization of elastin by specific methods and techniques	
	FEBS practic course	ISCED 6
12-21 June 1995	Institute of Biochemistry of the Romanian Academy, Bucharest, Romania	
	Advanced Techniques of Molecular Biology	
Sept. 1986 – June 1991	Theoretic and practic FEBS course	ISCED 6
	University of Hertfordshire, Faculty of Natural Sciences, UK	
12-21 June 1995	Advanced Protein Techniques Course	
	FEBS practic course	ISCED 6
Sept. 1986 – June 1991	Danish Centre for Human Genome Research, Department of Medical Biochemistry, Aarhus, Denmark	
	Basic and Specialized Techniques in Cell Biology	
Sept. 1986 – June 1991	BS, MSc in Biochemistry	ISCED 5
	University of Bucharest, Faculty of Chemistry, Section of Technological Biochemistry, Romania	
	Thesis – Obtaining of a partially purified enzymatic preparation of soybean urease for analytical use	

PERSONAL SKILLS

Mother tongue(s)

Romanian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	C1	B2	B2	C1
Spanish	A2	B1	B1	A2	B1

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

Communication skills

- good communication skills gained through my 29 years experience of collaboration with other researchers and entrepreneurs within complex research projects
- mentoring skills, I was involved in training of PhD and Master students and new assistant researchers

Organisational / managerial skills

- good organisational skills gained since 2002 as Project manager of 6 complex projects of partnership research, coordinating 2-4 partners from other research institutions and SMEs.

- Job-related skills
 - good skills of operating research equipments gained during 29 years of lab work
 - abilities in project expenditures for necessary equipment, reagents, etc acquired in developing over 40 research projects

- Digital competence
 - good command of Office suite (word processor, spread sheet, presentation software)
 - good command of photo editing software gained during manuscripts preparation for publishing, Image-J software used for (nano)particles measurements in microscopy images and Gel Analyzer software used for protein bands densitometry in gels or blots
 - good command of statistical analysis software Student t-test

- Other skills
 - manuscript reviewer for Elsevier journals and Plos One
 - evaluator of ICGEB project proposals

ADDITIONAL INFORMATION

- Publications Main author and co-author of 100 full papers published in refereed journals, 58 in ISI journals
- Patents 22 patents granted by OSIM
- Books Main author and co-author of 11 chapter books, from which 3 at international publishers
- Projects Project manager/ responsible and member in the team of 40 research projects
- Conferences Main author and co-author of 150 papers published as abstract in scientific journals or proceedings and presented as posters and oral presentations at international scientific conferences
- Honours and awards
 - Award for the management and results obtained within project VIASAN 179/2002-2004 from the Ministry of Education and Research
 - Award and silver medal at INNOVA-2010, Bruxelles for the patent RO123117B1/2010 - Biocompatible laminated material based on polyurethane and natural polymers and process for preparing the same
- Memberships Member of TERMIS, FEBS, ESB, EFB
- Citations Hirsch index 13, Research Gate score 32.16

Date: 27.10.2021

Signature: Oana Craciunescu

