

Europass Curriculum Vitae



Personal information

First name(s) / Surname(s) **Anisoara Cimpean**
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Nationality Romanian
Date of birth June 15th, 1963
Gender female

Desired employment / Occupational field Work experience

Dates 1987-1990 - Enterprise of Biosynthesis, Calafat, Dolj, Romania: *Biochemist*
 1990-1991 - Mechanical Enterprise, Filiasi, Dolj, Romania: *Biochemist*
 1991-1993 - National Institute for Biological Sciences, Bucharest, Romania: *Principal biochemist*
 1993-present - University of Bucharest, Bucharest, Romania
 - 1993 – 2001: *Assistant Professor*
 - 2001 – 2007: *Lecturer, Senior researcher III*
 - 2007 – 2016: *Associate Professor, Senior researcher II/ Habilitation degree* (febr. 2015)
 - 2016 – present: *Professor Habil., Senior researcher I*

Occupation or position held
Main activities and responsibilities *1993 – present – Teaching activity*
 1992-2001 - Practical works: Biochemistry of amino acids and proteins, Enzymology, Intermediate metabolism, Vitamins and hormones, Medical biochemistry
 2001-2007 - Teaching courses and practical works in the following disciplines: Medical biochemistry; Animal cell cultures
 2007-present - Teaching courses and practical works in the following disciplines: Clinical biochemistry; Theoretical and practical aspects of animal cell cultures; Introduction to tissue engineering; Biocompatibility
Others:
 Member in the Bachelor's Degree Examinations Committee (Biochemistry Section), the Master's Degree Examination Committee (Master of Biochemistry and Molecular Biology) and Examination Committee of PhD and Habilitation Theses, etc.

1994 – present - Supervising activity:

During my twenty-five years of teaching activity I have supervised Licence and Master theses as well as PhD theses (since 2016) and acted as thesis advisor.

Research activity:

1992-2001 - *In vitro* and *in situ* studies on the implications of matrix metalloproteinases and serine proteases in cartilage extracellular matrix degradation and degenerative and inflammatory joint disease etiopathogenesis; Biochemical and ultrastructural characterization of alterations of collagen and proteoglycan macromolecules during degeneration of human cartilage in arthritis; Clinical studies at the hormonal and molecular levels of altered 5-alpha reductase in androgen dependent diseases;

2001-2007 - Development of an experimental model on the molecular pathogenesis of psoriasis; Cellular and molecular models for the *in vitro* study of apoptosis and aging process in the skin; *In vitro* studies on the mechanism of inducing fibrogenesis by cytotoxic metals; Cellular and molecular studies on curcumin biological activities on mammary tumor cell lines MDA-MB-231 and MDA-MB-435; Determination of substrate specificities of nucleotide pyrophosphatases and phosphodiesterases;

2007-2016 - Development of biotechnologies for culturing human cells (dermal fibroblasts, osteoblasts, gingival fibroblasts, preadipocytes) on different supports in a 2D or 3D system for the purpose of applying them to regenerative medicine: biocompatibility studies (cytotoxicity, viability, proliferation, cell adhesion, cytoskeleton organization, turnover of the extracellular matrix, etc.); *In vitro* studies to highlight the complexity of cell-material interactions and the development of new biomaterials, tissue engineering constructs (stem cells derived from adipose tissue included in collagen or alginate hydrogels) and drug delivery systems (collagen / hydroxyapatite cisplatin); Investigations in macrophage cultures on inflammatory response to different biomaterials; Research on the anti-tumor potential of some biologically active plant compounds;

2016-present - *In vitro* studies to highlight the complexity of cell-material interactions and the development of new biomaterials (endothelial cells, osteoblasts and/or macrophages interacting with beta-titanium and magnesium alloys or TiO₂ nanotubular surfaces) and drug delivery systems (TiO₂ nanotubes and nanofibres functionalized with flavones, statins, etc.)

Name and address of employer University of Bucharest, Faculty of Biology, Department of Biochemistry and Molecular Biology
 Type of business or sector Education, research, research management, project management.

Education and training

Dates	1982-1986	1986-1987	1993 - 2000
Name and type of organisation providing education and training	University of Bucharest	University of Bucharest	University of Bucharest
Level in national or international classification	Higher education	Postgraduate	PhD studies
Principal subjects/occupational skills covered	Licence degree	Master degree	PhD
Title of qualification awarded	Biochemistry	Biochemistry	Biology

Personal skills and competences

Mother tongue(s) Romanian

Other language(s) **English, France**

Self-assessment <i>European level</i> (*)	Understanding				Speaking				Writing	
	Listening		Reading		Spoken interaction		Spoken production			
Language EN	B2	EN	C1	EN	B2	EN	C1	EN	C1	
Language FR	B1	FR	C1	FR	A2	FR	B2	FR	B2	

(*) [Common European Framework of Reference for Languages](#)

**Social skills and competences
Communication skills**

Improved communication capacity that was acquired during teaching and research activities, team work spirit, resistance to prolonged intellectual effort, flexibility in human relationships, good organizer, spirit of initiative, capacity to adapt to new situations

Organisational/ managerial skills	<p>2007-2009: <i>Deputy director of the Research Center of Biochemistry and Molecular Biology</i>, University of Bucharest</p> <p>1999-2001: <i>Setting up and organizing the first "Animal cell culture laboratory"</i> from University of Bucharest</p> <p><i>Leader of the "Biocompatibility and Tissue Engineering" Group</i>, Research Platform in Biology and Systemic Ecology, University of Bucharest</p>
Skills acquired in the workplace	<p>Project management competences</p> <ul style="list-style-type: none"> - <i>Attracting funding into research and project implementation</i>. Research grants: 4 international grants (1 bilateral Romania-France project as manager, 3 projects as partner team leader - 1 ERA-NET and 2 ERANET-MANUNET); 16 national research grants: 7 projects as manager (2 CNCSIS, 1 type CEEX-2, 2 ID-PCE, 1 PNII-PCCA and 1 PED) and 9 projects as partner team leader (2 VIASAN, 1 RELANSIN, 1 CEEX-1, 4 PNII and 1 PED); - <i>Implementation of quality management-leadership</i> - <i>Writing project proposals</i> - <i>Planning, guiding and supervising research activities</i> - <i>Dissemination of research results</i> <p>Cell cultures: primary cell and cell line cultures Microscopy: phase contrast, fluorescence microscopy, SEM Biochemistry: protein electrophoresis, western-blotting Immunological techniques: imunocytochemistry, flow cytometry and ELISA techniques Molecular biology: PCR, site directed mutagenesis, transfection</p>
<p>Digital competences</p> <p>Computer skills and competences</p> <p>Driving licence</p>	<p>Using the Internet, the use of databases, different types of software, etc.</p> <p>Driving licence (B category) obtained in 1996</p>
Additional information	<p>INTERNATIONAL FELLOWSHIPS</p> <p>a) 2003 January 1st – 2003 December 31 <i>Postdoctoral research associate</i> Catholic University of Leuven, Faculty of Medicine, Department of Biochemistry and Molecular Biology, Belgium</p> <p>b) 1994 November 1st–1995 September 1st <i>TEMPUS student (European Community Program)</i> University of Padua, Department of Biology, Italy</p> <p>OTHER QUALIFICATIONS AND SPECIALISATIONS <i>Habilitation degree in Biology</i> University of Bucharest Order of the Minister of Education and Scientific Research no. 3216 / 18.02.2015 Title of the thesis: <i>Developing strategies for in vitro biocompatibility assessment of novel biomaterials</i></p> <p>BOOKS, PAPERS AND COMMUNICATIONS PUBLISHED</p> <ul style="list-style-type: none"> - 4 monographs / books - 2 chapters in foreign publishing houses, 1 chapter in the Romanian Academy - 61 articles in <i>ISI indexed journals</i> with cumulative impact factor > 100 - 29 articles in journals indexed in international database - 10 articles in volumes of national conferences - over 50 studies communicated at international conferences and over 30 studies communicated at national conferences <p>OTHERS <i>Hirsch Index</i>: 13/16 (Scopus / Google Academic) <i>Citations</i>: 467/681 (Scopus / Google Academic); <i>ResearcherID</i>: C-2101-2011.</p> <p><i>Specialist member in the Examination Committee of PhD Thesis</i> defended by Simona Andreia Jacota Popescu at Universite Paul Sabatier, Toulouse III, Ecole Nationale</p>

Supérieure des Ingénieurs en Arts Chimiques et Technologiques” France (2008)

Member in Technical Program Committee of conferences:

„2nd Global Conference on Materials Science and Engineering”, Xianning, Hubei Province of China (Nov. 20-22, 2013);

„3rd Global Conference on Materials Science and Engineering” Shanghai, China (Oct. 20-23, 2014)

Reviewer for international journals:

“Mater Sci Eng C: Mater Biol Appl”; “Biomaterials”; “Appl Surf Sci”; “Appl Catal B: Environmental”; “J Mech Behav Biomed Mater”; “Mater Design”; “J Alloys Comp”; “Int J Nanomedicine”; “Cell Health Cytoskeleton”; “Metalloproteinases Med”; “Chem Phys Lett”; “Chem Cent J”; “J Liposome Res”; “Biotechnol Prog”; “Biol Res”; “Biointerphases”; “Patents on Biomarkers”; “Biochem Cell Biol”; “Arch Physiol Biochem”; “Curr Drug Targets”; “J Biomed Mater Res A”; “Sci Reports”; “Coatings”; “Materials”; “Metals”; “Front Pharmacol”; “Curr Proteomics”; “JSM Dentistry”; “AIMS Bioeng”; “Rom Biotechnol Letters”; “U.P.B. Sci Bull” etc.

Peer-review activity for international programs/projects:

National Programs: UEFISCDI

International Programs: OPUS, PRELUDIUM, SONATA (National Science Centre, Krakow, Poland)

Membership of National Societies

Romanian Society for Cell Biology

Romanian Society of Biochemistry and Molecular Biology

Romanian Society for Biomaterials

May 9th, 2018

Anisoara Cimpean
Prof. Habil.