

PERSONAL INFORMATION



CARABĂ MARIOARA NICOLETA



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Date of birth: 11 April 1977 / Nationality: Romanian

CURRENT POSITION

Associate Professor – Discipline of Cellular and Molecular Biology

PROFESSIONAL EXPERIENCE

- 1995-1996 Substitute teacher – Industrial School Group “Mihai Viteazul”, Ineu, Arad County
- 2000-2004 Biology teacher (tenured) – Industrial School Group “Mihai Viteazul”, Ineu, Arad County
- 2004 - 2024 Teaching Assistant, Assistant Lecturer, Lecturer, Associate Professor
 Disciplines taught: General Microbiology, Soil Microbiology, Animal and Human Physiology, Nutrition functions in animals and humans, Animal and human ecophysiology, Influence of environmental factors on microorganism development, Recombinant DNA and stem cell technology, Forensic genetics and microbiology, Medical bacteriology and virology, Cytogenetics and cell cultures, Cell and tissue cultures, Hematology

 West University of Timișoara
 Faculty of Chemistry, Biology and Geography
 Department of Biology–Chemistry
 Pestalozzi Street No. 16, Timișoara, Romania

 Teaching activities: courses, seminars, and practical work (microorganism isolation and cultivation, cell cultures, hematological and bacteriological analyses)
 Research activities: effects of xenobiotic substances on prokaryotic and eukaryotic organisms; heavy metal contamination in laboratory animals, water, and food
 Field: Education and research
- 2024-present Associate Professor – Cellular and Molecular Biology
 Department II Microscopic Morphology
 “Victor Babeș” University of Medicine and Pharmacy Timișoara

 Research: Effects of xenobiotic substances on prokaryotic and eukaryotic cells
 Field: Education and research
- 2016 - present Biologist, Head of Department
 Stem Cells Bank – MedLife, Timișoara

 Medical activities:

 Isolation of hematopoietic stem cells from umbilical cord blood (Sepax2 system), Wharton’s jelly isolation, Mesenchymal stem cell culture, Hematological and bacteriological testing

 Field: Medicine and medical research

EDUCATION AND TRAINING

2009 - 2011	Postgraduate studies diploma – Chemistry West University of Timișoara
2008 - 2011	Bachelor's Degree – Animal Science Engineering Banat University of Agricultural Sciences and Veterinary Medicine Specialization: Animal Science
2007 - 2009	Master's Degree – Biology and Genetics of Development West University of Timișoara
2000 - 2007	PhD in Biology Babeș-Bolyai University, Cluj-Napoca, Romanian Ministry of Education
1996 - 2000	Bachelor's Degree – Biology West University of Timișoara
1991 - 1995	High school diploma Industrial School Group "Mihai Viteazul", Ineu, Arad
Mother tongue(s)	Mother tongue

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2
French	B2	B2	B2	B2	B2

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

PERSONAL SKILLS

Organizational and Managerial Skills

Organisational experience gained through the organisation of scientific events:

1. Organisation of student workshops: Cell Cultures – Theoretical Aspects and Medical Implications, Timișoara, 14.01.2019; CELL CULTURES – THEORETICAL ASPECTS AND MEDICAL IMPLICATIONS, 2nd Edition, 09.06.2023.
2. Organisation and participation as lecturer in postgraduate courses – continuing medical education courses: Techniques for Isolation and Cultivation of Stem Cells, 05.10–15.10.2021; Theoretical and Practical Course on Stem Cell Isolation and Cultivation Techniques – Therapeutic Applications, 03.11–12.11.2023.
3. Organisation of scientific events: Scientific Session of the Romanian Society for Cell Biology (RSBC) and the International Congress of Cell Biology, 2013; Annual Conference BIOLOGIA, 10th Edition – Biological Processes: Theoretical Aspects and Practical Applications, May 2017; Annual Conference BIOLOGIA, 11th Edition – Biological Processes: Theoretical Aspects and Practical Applications, May 2018; Annual Conference BIOLOGIA, 11th Edition – Biological Processes: Theoretical Aspects and Practical Applications, June 2019; Annual Conference *BIOLOGIA – Biological Processes: Theoretical Aspects and Practical Applications, 12th Edition, June 2020; Annual Conference *BIOLOGIA – Biological Processes: Theoretical Aspects and Practical Applications, 13th Edition, July 2021; Annual Conference *BIOLOGIA – Biological Processes: Theoretical Aspects and Practical Applications, 14th Edition, July 2022; Annual Conference *BIOLOGIA – Biological Processes: Theoretical Aspects and Practical Applications, 15th Edition, June 2023.

Job-related skills

- Microbiology – Microbiological analyses of water, soil, food samples, and biological samples from patients
- Toxicology – Analysis of heavy metal content in biological materials
- Hematology – Blood sample analysis

Additional skills

– Certificates obtained through participation in courses/workshops:
Postgraduate course “Cell Cultures – Applications in Medical Practice”, “Victor Babeş” University of Medicine and Pharmacy Timișoara, recognised by the Order of Biochemists, Biologists and Chemists in the Romanian Healthcare System, 2011;

Workshop “ECOLOGICAL KNOWLEDGE RULES – Establishing priorities for the measures to rehabilitate Heavily Modified Water Bodies through cost-efficiency analysis in order to reach the environmental objectives required by the EU Water Framework Directive 2000/60/EC”,

Participation in courses and activities within the project “Interuniversity Virtual Community for Science, Technology, Innovation and Intellectual Property Valorisation – POSDRU/86/1.2/S/56872”, 2013;

Training course – practical skills in biological material processing and stem cell cultures, Omnigen Laboratory, Marousi, Athens, Greece, May 2022;

Teaching skills training course “Creativity in Teaching Summer School”, Masaryk University Language Centre, Brno, July 2022;

Teaching skills training course “Intercultural Competence Development”, University of Groningen, Netherlands, July 2022;

French language training course, Université Savoie Mont Blanc, Chambéry, France, October 2022;

Teaching skills training course “Design of Serious Games”, Tallinn University, December 2022;

Postgraduate course “The Role of Microbiological Diagnosis in Preventing and Limiting Antibiotic Resistance and Healthcare-Associated Infections”, “Victor Babeş” University of Medicine and Pharmacy Timișoara, recognised by the Order of Biochemists, Biologists and Chemists in the Romanian Healthcare System (OBBCSR), 2023.

Projects

National – Project Director – 1 project
National – Public/private projects – Project Director/Coordinator – 3 projects
International – Team member – 1 project
National – Team member – 8 projects
National – Public/private projects – Team member – 2 projects

Scientific publications

Articole ISI – 47
Articole ISI Proceedings - 10
Articole BDI - 80
Lucrări publicate în volume de conferințe - Indexate WOS - 74
Participări la conferințe - peste 60

Affiliations

- Romanian Society of Cell Biology
- European Biotechnology Thematic Network Association
- Physiology Society
- Romanian Society of Pathophysiology
- Order of Biologists, Biochemists and Chemists in the Romanian Healthcare System

Researcher identification systems and profiles

<http://www.researcherid.com/rid/C-1904-2012>
Brainmap: UEFISCDI ID (UEF-ID): U-1700-035G-8620
ORCID: <https://orcid.org/0000-0002-3392-9858>

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Semnatura