



CODREANU LIVIU

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Date of birth 26/10/1968 | Citizenship: Republic of Moldova

OCCUPATIONAL FIELD Biotechnology / Microbiology/Ecology

WORKPLACE Institute of Microbiology and Biotechnology (IMB) 3/3, Academiei Str., 2028MD, Chisinau, Republic of Moldova

WORK EXPERIENCE

Period 2025 - present

Occupation or position held Research Scientist
Main activities and responsibilities Planning, execution and analysis of scientific results within the research, innovation, technology transfer process; Operation of laboratory equipment, including measuring instruments, lyophilizers, and autoclaves.
Name and address of employer National Collection of Non-pathogenic Microorganismes, Institute of Microbiology and Biotechnology, Technical University of Moldova, str. Academiei 3/3, 2028 MD, Chișinău, Republic of Moldova
Type of activity or sector Research, innovation, technology transfer

Period 2018 - 2023

Occupation or position held Research scientist
Main activities and responsibilities Planning, execution and analysis of scientific results within the research, innovation, technology transfer process
Name and address of employer Laboratory of Phycobiotechnology, Institute of Microbiology and Biotechnology, str. Academiei 1, 2028 MD, Chișinău, Republic of Moldova
Type of activity or sector Research, laboratory techniques.

Period 2018 – 2024

Occupation or position held Unit head
Main activities and responsibilities Coordinating the maintenance and development of plant and animal collection.
Name and address of employer Botanical Garden and Vivarium of the National Museum of Ethnography and Natural History, Mihail Kogălniceanu str. 82, MD-2009 Chișinău, Republic of Moldova
Type of activity or sector Biodiversity conservation, scientific research, and environmental education

Period 2010 – 2018

Occupation or position held Research scientist
Main activities and responsibilities Collecting, processing, and analyzing environmental and ecological data.
Name and address of employer Ecourbanistics Laboratory, Institute of Ecology and Geography, str. Academiei 1, 2028 MD, Chișinău, Republic of Moldova
Type of activity or sector Research

Period	2007 – 2008
Occupation or position held	Lecturer
Main activities and responsibilities	Teaching biological disciplines for foreign students of the preparatory year: preparing and delivering lectures, practical classes, and laboratory sessions; assessing and evaluating students' knowledge and academic performance.
Name and address of employer	Nicolae Testemitanu University of Medicine and Pharmacy of the Republic of Moldova, Bd. Ștefan cel Mare și Sfânt 165, MD-2004, Chișinău.
Type of activity or sector	University education

Period	2004 – 2005
Occupation or position held	Lecturer
Main activities and responsibilities	Preparing and delivering lectures, practical classes, and laboratory sessions; assessing and evaluating students' knowledge and academic performance
Name and address of employer	Faculty of Electronics and Telecommunications, Technical university of Moldova, Chisinau, Republic of Moldova
Type of activity or sector	University education

Period	1996 – 2010
Occupation or position held	Researcher
Main activities and responsibilities	Preparing scientific reports, publications, and research project documentation.
Name and address of employer	Biogeocenology Laboratory, Institute of Ecology, Academy of Sciences of Moldova, str. Academiei 1, 2028 MD, Chișinău, Republic of Moldova
Type of activity or sector	Research

EDUCATION

Period	1985 -1992
Qualification awarded	Bachelor of Science in Biology and Pedology , awarded by Moldova State University, Faculty of Biology and Pedology
Principal subjects/occupational skills covered	General courses: pedology, botany, zoology, plant anatomy and physiology, human anatomy and physiology, cytology, genetics, biochemistry, microbiology, biotechnology, inorganic chemistry, organic chemistry, physical and colloidal chemistry, analytical chemistry, ecology. Specialization: Pedology and Agrochemistry
Name and type of organisation providing education and training	Moldova state University, str. M. Kogălniceanu 65A, MD2009, Chisinau, Republic of Moldova

Period	2019 - 2022
Qualification awarded	Doctoral studies
Principal subjects /occupational skills covered	Biotechnology, Doctoral Thesis " <i>Nostoc linckia</i> cyanobacterium in biosorption and bioaccumulation of heavy metals"
Name and type of organisation providing education and training	Moldova State University, str. M. Kogălniceanu 65a, MD2009, Chisinau, Republic Of Moldova

Trainings

2025	License to practice, operation of pressure vessels, LLC "Training and Production Center", Chisinau, Republic of Moldova;
December 2001	"Participatory training program for professionals in environmental protection and sustainable agriculture", University of East Anglia, Norwich, UK;

- April 2001** "institutional Development and Organizational Strengthening for NGOs", Chisinau, Republic of Moldova;
- March 1998** TACIS Training "Introduction to Project Preparation and Promotion", March 1998, Chisinau, Republic Of Moldova;
- October 1997** UNEP Training "Restoration and Utilization of Eroded Soils", Volgograd, Russian Federation.

PERSONAL SKILLS AND COMPETENCES

Language Skills

Mother tongue: **Romanian**

Other language(s):

	Listening	Reading	Spoken interaction	Spoken production	Writing
En	A1	A1	A1	A1	A1
Fr	B1	B1	B1	B1	B1
Ru	C2	C2	C2	C2	C2

Social skills and abilities Team spirit, Good communication skills; Ability to adapt to multicultural environments.

Technical skills and abilities Knowledge of working with laboratory equipment: autoclaves, bioreactors of different types, UV-VIS spectrometry, lyophilization techniques, Knowledge acquired during professional activity.

Computer skills and abilities User of common programs and software related to laboratory equipment. Skills acquired during professional activity.

Field of scientific activity: 167 - Biotechnology; specialty 167.01 - Biotechnology, bionanotechnology: Active principles of cyanobacteria and microalgae: oriented synthesis models, processes and processing techniques, formulas and compositions, obtaining technologies, experimental studies, and applications in environmental and agricultural fields.

Recent scientific papers About 20 publications, including articles in journals from the National Register of Accredited profile journals and theses of national and international scientific conferences

Affiliations Member of Society for Microbiology of Moldova/
Federation of European Societies of Microbiology