



MAXIM BÎRSA
PhD in biological sciences

📍 3/3 , Academiei Str., Chisinau, Republic of Moldova

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Date of birth 08/08/1989 | Citizenship: Republic of Moldova

**WORKPLACE/
OCCUPATIONAL FIELD**

Institute of Microbiology and Biotechnology of the Technical University of Moldova (IMB of TUM)
Research, Innovation, Transfer technology

Occupational field

Work experience

Dates	January 2026 – present
Occupation or position held	Leading scientific researcher
Main activities and responsibilities	Planning, execution and analysis of scientific results in the process of research, innovation, technology transfer
Name and address of employer	Institute of Microbiology and Biotechnology of Technical University of Moldova (IMB of TUM) 3/3, Academiei Str., 2028MD, Chisinau, Republic of Moldova
Type of activity or sector	Research, innovation, technology transfer
Dates	2020 – 2025
Occupation or position held	Senior scientific researcher
Main activities and responsibilities	Planning, execution and analysis of scientific results in the process of research, innovation, technology transfer
Name and address of employer	Institute of Microbiology and Biotechnology of Technical University of Moldova (IMB of TUM) 3/3, Academiei Str., 2028MD, Chisinau, Republic of Moldova
Type of activity or sector	Research, innovation, technology transfer
Dates	2021
Occupation or position held	PhD postdoctoral fellow
Main activities and responsibilities	Execution and analysis of scientific results in the process of research, mastering the PCR method
Name and address of employer	Nova Southeastern University, Davie, Florida, USA
Type of activity or sector	Education, Research, innovation, technology transfer
Dates	2020-2022
Occupation or position held	Trainee scientific researcher,
Main activities and responsibilities	Execution and analysis of scientific results in the process

Name and address of employer	Scientific and Practical Institute of Biotechnologies in Animal Husbandry Veterinary Medicine, Ministry of Agriculture and Food Industry of Republic of Moldova, Maximovca village, Republic of Moldova
Type of activity or sector	Research, innovation, technology transfer
Dates	2019
Occupation or position held	Scientific researcher
Main activities and responsibilities	Execution and analysis of scientific results in the process of research, innovation, technology transfer
Name and address of employer	Institute of Microbiology and Biotechnology (IMB) 1, Academiei Str., 2028MD, Chisinau, Republic of Moldova
Type of activity or sector	Research, innovation, technology transfer
Dates	2014-2016
Occupation or position held	Trainee scientific researcher
Main activities and responsibilities	Execution and analysis of scientific results in the process of research
Name and address of employer	Institute of Zoology, Academy of Sciences of Moldova 1, Academiei Str., 2028MD, Chisinau, Republic of Moldova
Type of activity or sector	Research, innovation, technology transfer
Dates	2013-2014
Occupation or position held	Trainee scientific researcher
Main activities and responsibilities	Execution and analysis of scientific results in the process of research
Name and address of employer	Institute of Genetics, Physiology and Plant Protection, Academy of Sciences of Moldova 20, Padurii Str., 2002MD, Chisinau, Republic of Moldova
Type of activity or sector	Research, innovation, technology transfer
Dates	2013-2019
Occupation or position held	Trainee scientific researcher
Main activities and responsibilities	Execution and analysis of scientific results in the process of research
Name and address of employer	Institute of Microbiology and Biotechnology, Academy of Sciences of Moldova 1, Academiei Str., 2028MD, Chisinau, Republic of Moldova
Type of activity or sector	Research, innovation, technology transfer
Dates	December, 2019
Title of qualification awarded	PhD in Biological sciences
Occupational skills covered	Microbiology
Principal subjects	PhD thesis "Viability and variability of Streptomyces canosus CNMN-Ac-02 strain after lyophilization in the presence of compounds of cyanobacterial and plant origin"
Name and type of organisation providing education and training	Institute of Microbiology and Biotechnology (IMB), 1, Academiei Str., 2028MD, Chisinau, Republic of Moldova
Level in national or international classification	Category A

Dates	2014-2017				
Title of qualification awarded	PhD student, Microbiology specialty				
Principal subjects/occupational skills covered	Microbiology/ Biotechnology, Research methodology, English language, Computer science				
Name and type of organisation providing education and training	Institute of Microbiology and Biotechnology (IMB), 1, Academiei Str., 2028MD, Chisinau, Republic of Moldova				
Level in national or international classification	Category A				
Dates	September 2012 - January 2014				
Title of qualification awarded	Diploma of Higher Education, Master Degree				
Principal subjects/occupational skills covered	General courses: general microbiology, biotechnology, quality of food, biochemistry, HACCP, general technology, informatics and technology, physical and colloidal chemistry. Specialization: Food Quality and Safety				
Name and type of organisation providing education and training	Faculty of Technology and Management in Food Industry, Technical University of Moldova, 9/9, Studentilor Str., 2045MD, Chisinau, Republic of Moldova				
Level in national or international classification	Category A				
Dates	September 2008 - June 2012				
Title of qualification awarded	Diploma of Higher Education, Licentitate Engineer				
Principal subjects/occupational skills covered	General courses: microbiology, cell biology, biotechnology, general technology, technology of conservation, genetics, biochemistry, inorganic and general chemistry, organic chemistry, physical and colloidal chemistry, analytical chemistry, ecology, toxicology, sanitary. Specialization: Chemical Technology and Biotechnologies				
Name and type of organisation providing education and training	Faculty of Technology and Management in Food Industry, Technical University of Moldova, 9/9, Studentilor Str., 2045MD, Chisinau, Republic of Moldova				
Level in national or international classification	Category A				
Personal skills and competences					
Mother tongue	Romanian				
Other language(s)					
En Ru	Understanding		Speaking		Writing
	Listening	Reading	Spoken interaction	Spoken production	
	B2	B2	B2	B2	B2
	C2	C2	C2	C2	C2

Social skills and competences	Team spirit, good communication skills, adaptability to multicultural environments. The skills were acquired during the professional activity.
Organisational skills and competences	Knowledge of working with laboratory equipment, bioreactors, real time PCR. Knowledge acquired during the professional activity.
Technical skills and competences	Knowledge of working with laboratory equipment: bioreactors of different types, UV-VIS spectrometry, TLC, lyophilization techniques, sterilization techniques. Knowledge acquired during the professional activity and at the university.
Computer skills and competences	User of common programs and software related to laboratory equipment, AutoCad, CorelDraw. Skills acquired during professional activity and at university.
Driver Licence	Category B
Additional information	
Field of scientific activity	163 – Cellular biology; specialty 163.04 - Microbiology: Collection work activity, branch of actinobacteria: oriented synthesis of secondary metabolites, processing techniques, obtaining technologies, experimental studies, collection of actinobacteria. Cultivation and obtaining of biomass used in animal husbandry research; Obtaining of actinobacteria liquid supernatant with secondary metabolites used in plant growth research.
Published scientific papers	150 publications, including 20 articles registered in the WoS and SCOPUS databases, 12 patents.
Projects	PN-IV-P8-8.3-ROMD-2023-0053 (2024-2025) Advanced research on infectious pathogens in traded fresh meat (Executive Unit for Financing Higher Education, Research, Development and Innovation, Romania) 24.80012.5107.05TC (2024-2025) Combating Fusarium wilt and phytostimulation of eggplant crop, based on products of bacterial origin (National Agency for Research and Development, Republic of Moldova) Research Subprogram 020101 (2024-2027) InBioS – Innovative biotechnological solutions for agriculture, medicine and environment (Ministry of Education and Research, Republic of Moldova) 21.70086.38SD (2021-2022) Strengthening of the National Collection of Non-pathogenic Microorganisms (NCNM) by adopting open science practices regarding scientific data (National Agency for Research and Development, Republic of Moldova) 20.80009.7007.09 (2020-2023) Conservation and capitalization of microbial biodiversity as a support for the development of sustainable technologies and agriculture, the integration of science and education (National Agency for Research and Development, Republic of Moldova) 18.80012.51.16A (2018-2019) Validation of microbiological and biochemical tests for nanotoxicology studies (National Agency for Research and Development, Republic of Moldova) 17.80012.51.10A (2017-2019) Natural preservatives of cyanobacterial origin for the preservation of microorganisms (National Agency for Research and Development, Republic of Moldova) 15.817.05.17A (2015-2019) Nanotechnological potential in bioremediation of soil

	contaminated with persistent organic pollutants (Government of Republic of Moldova, Ministry of Education, Culture and Research, Republic of Moldova) 14.820.18.05.01 STCU A./5948 (2014-2016) Adaptation of biological methods for the protection of vegetable plants of dangerous parasitic phytonematodes and other phytopathogenic diseases in protected area of the Republic of Moldova (STCU – Academy Science of Moldova, Republic of Moldova) 11.817.04.11A (2011-2014) Assessment and use of microbiological potential for the development of sustainable agriculture technologies (Government of Republic of Moldova, Academy Science of Moldova)
Distinctions and awards	International exhibitions and trade fairs (2017-2025): INFOINVENT, Chisinau, Moldova, EUROINVENT, Iasi, Romania; INVENTICA, Iasi, Romania; PROINVENT, Cluj Napoca, Romania; Traian Vuia, Timișoara, România (3 gold medals; 7 silver medals)
Affiliations	Member of Federation of European Microbiological Societies

15.06.2026

