



**Alina
Beșliu**

Date of birth: 12/05/1990

Nationality: Romanian

Gender: Female

CONTACT

 MD-2009 Chisinau, Moldova

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WORK EXPERIENCE

03/01/2023-Current- Chisinau, Moldova

Superior scientific researcher

Institute of Microbiology and Biotechnology of Technical University of Moldova, Fungal Biotechnology Laboratory

01/09/2020 - 31/12/2022 - Chisinau, Moldova

Superior scientific researcher

Institute of Microbiology and Biotechnology, Laboratory of Yeast Biotechnology

- Biotechnology, specialization in the development of biologically active preparations;
- Biochemistry, specialization in determining the content of proteins, carbohydrates, carotenoid pigments, chlorophylls, anthocyanins, total antioxidant and enzymatic activity;
- Elaboration of procedures for testing the influence of nanoparticles;
- Validation of microbiological and biochemical testing methods;

01/10/2014 – 01/09/2020 - Chisinau, Moldova

Junior Scientific Researcher

Institute of Microbiology and Biotechnology, Laboratory of Yeast Biotechnology

EDUCATION AND TRAINING

2016 – 2020 - Moldova

PhD of Biological Sciences

Moldova State University

2019 – 2021

Master Degree in Educational Sciences, Speciality Family Counselling

Moldova State University

2014 – 2016 - Chisinau, Moldova

Master Degree in Natural Science, Specialization Molecular Biology

University of the Academy of Sciences of Moldova

2010 – 2014

Licentiate in Education Sciences, Speciality Geography and Biology

Tiraspol State University

2009 - Chisinau, Moldova

Baccalaureate degree

Nicolae Testemitanu State University of Medicine and Pharmacy

LANGUAGE SKILLS

MOTHER TONGUE(S): Romanian

OTHER LANGUAGE(S):

English

Listening
B1

Reading
B1

**Spoken
production**
B1

**Spoken
interaction**
B1

Writing
B1

French

Listening
A2

Reading
A2

**Spoken
production**
A2

**Spoken
interaction**
A2

Writing
A2

Russian

Listening
B2

Reading
B2

**Spoken
production**
B2

**Spoken
interaction**
B2

Writing
B2

DIGITAL SKILLS

My Digital Skills

Adobe Photoshop / Microsoft Microsoft Excel Microsoft PowerPoint Microsoft Word Microsoft Outlook / Google tools (Gmail Drive Google forms etc) / Adobe Premiere Adobe Premiere pro / Google Drive / Social Media

PUBLICATIONS

New processes for obtaining mannoproteins from beer yeast sediments and their biochemical properties

2022

Scientific Study & Research - Chemistry & Chemical Engineering, Biotechnology, Food Industry.

Biochemical composition and antioxidant activity of different preparations from microbial waste of the beer industry.

2022

Journal Acta Universitatis Cibiniensis. Series E: Food Technology

The influence of ZnO nanoparticles on the amino acids biosynthesis at pigmented yeast *Rhodotorula gracilis* CNMN-Y-30.

2021

Scientific Study & Research - Chemistry & Chemical Engineering, Biotechnology, Food Industry.

The process of assessment of the toxicity of metals oxides nanoparticles with the use of the yeast *Rhodospiridium toruloides*.

2020

Scientific Study & Research - Chemistry & Chemical Engineering, Biotechnology, Food Industry.

The impact of zinc oxide nanoparticles on protein content and activity of some antioxidant enzymes at pigmented yeasts.

2019

Annals of the University of Oradea, Biology Fascicle.

● **The effect of ZnO nanoparticles on the activity of antioxidant enzymes and carotenoid content at Rhodosporidium toruloides CNMN-Y-30 Yeast.**

2018

Journal of Experimental and Molecular Biology

● **The effect of Fe₃O₄ nanoparticles on bioproduction parameters of Rhodotorula gracilis CNMN-Y-30 yeast strain with high biotechnological potential.**

2016

Annals of the University of Oradea, Biology Fascicle.

CONFERENCES AND SEMINARS

● **11/02/2021 – 12/02/2021 > - Chisinau, Republic of Moldova**

● **Yesterday's heritage – implications for the development of tomorrow's sustainable society**

09/04/2019 – 11/04/2019 > - Lviv, Ukraine

● **International scientific conference for students and Phd students dedicated to the 135th anniversary of J. Parnas**

20/05/2018 – 24/05/2018 > - Chisinau, Republic of Moldova

● **The congress dedicated to the 50th anniversary of Scientific Association of Geneyicists and Breeders**

10/04/2018 – 12/04/2018 > - Lviv, Ukraine

● **International scientific conference for students and phd students youth and progress of biology dedicated to the 185th anniversary from the birthday of B. Dybowski**

11/10/2018 – 12/10/2018 > - Chisinau, Republic of Moldova

● **International Scientific Conference on Microbial Biotechnology 4th edition**

2016 > - Chisinau, Republic of Moldova

● **Symposium „ Nano-2016 Ethical, Ecological and Social Problems of Nanoscience and Nanotechnologies**

2016 > - Chisinau, Republic of Moldova

● **3-rd International Conference on Microbial Biotechnology dedicated to the 70th anniversary of first research institutions of the ASM, the 55th anniversary of the inauguration of the Academy of Sciences of Moldova**

2016 > - Chisinau, Republic of Moldova

International Conference on Microbial Biotechnology dedicated to the 70th anniversary of first research institutions of the ASM, the 55th anniversary of the inauguration of the Academy of Sciences of Moldova

PROJECTS

2020 – CURRENT

20.80009.5107.16 „New biologically active microbial preparations for increasing the reproductive and productive potential of the animals of interest zootechnics"

2018 – 2019

18.80012.51.16A „Validation of microbiological tests and biochemicals for nanotoxicology studies"

2015 – 2019

14.05.076A „The use of nanomaterials in fungal cultivation biotechnology mycelial and yeast as a strategy to increase biotechnological performance "

HONOURS AND AWARDS

16/12/2021

National Youth Award, White Nights category. - Ministry of Education, Culture and Research

19/11/2021

The best creation of young people. - Academy of Sciences of Moldova

11/02/2020

Honorary diploma - Ministry of Education, Culture and Research

16/01/2019

Municipal Youth Award in the fields of science, technology, literature, arts and civic activism, 2018 edition (science section).

2020

Scholarship of World Federation of Scientists, Priority WFS direction: Medicine and Biotechnology.

2019

Government Excellence Scholarship.

2017

"Mircea Ciuhrii" research Scholarship.

HOBBIES AND INTERESTS

Travels; Family counseling; Psychology

COMMUNICATION AND INTERPERSONAL SKILLS

Good communication skills acquired through my presentation experience at scientific conferences.

NETWORKS AND MEMBERSHIPS

2015 – CURRENT

Member of the European Society of Microbiology

