



Alexandru-Stefan Barcan

Nationality: Romanian | **Phone number:** (+40) [REDACTED] (Mobile) | **Email address:**

Address: [REDACTED]

WORK EXPERIENCE

10/2020 – 07/2021 Iasi, Romania

INTERNSHIP IN THE LABORATORY FOR MEDICAL ANALYSES WITHIN THE MILITARY EMERGENCY CLINICAL HOSPITAL "DR. I. CZIHAC"

04/2018 – 12/2019 Zhengzhou, China

INTERNSHIP IN FOOD PROCESSING AND DEVELOPMENT LABORATORY AT ZHENGZHOU MINGDE TECHNOLOGY CO., LTD.

01/2017 – 07/2017 Iasi, Romania

INTERNSHIP IN THE LABORATORY FOR MEDICAL ANALYSES WITHIN THE MILITARY EMERGENCY CLINICAL HOSPITAL "DR. I. CZIHAC",

11/2013 – 01/2016 Iasi, Romania

VOLUNTEER AT THE BOTANIC GARDEN "ANASTASIE FATU", IASI

10/2022 – 12/2022 Newport, Ireland

INTERN AT THE UCC MARINE INSTITUTE FROM THE UNIVESITY COLLEGE CORK IN THE FRAMEWORK OF THE ERASMUS PROGRAM, NEWPORT, CO. MAYO

12/2022 – CURRENT Glasgow, United Kingdom

INTERN AT SALMOSIM, UNIVERSITY OF GLASGOW

EDUCATION AND TRAINING

10/2021 – CURRENT Bucharest, Romania

PHD IN BIOTECHNOLOGY AT THE FACULTY OF BIOTECHNOLOGY, UNIVERSITY OF AGRONOMIC SCIENCES AND VETERINARY MEDICINE

10/2020 – 07/2021 Iasi, Romania

MASTER IN MICROBIAL AND CELLULAR BIOTECHNOLOGY AT THE FACULTY OF BIOLOGY, UNIVERSITY "ALEXANDRU IOAN CUZA"

09/2017 – 02/2020 Zhengzhou, China

MASTER IN MICROBIOLOGY AT ZHENGZHOU UNIVERSITY, ZHENGZHOU

10/2016 – 07/2017 Iasi, Romania

MASTER IN MICROBIAL AND CELLULAR BIOTECHNOLOGY AT THE FACULTY OF BIOLOGY, UNIVERSITY "ALEXANDRU IOAN CUZA"

09/2013 – 06/2016 Iasi, Romania

SCHOOL/COLLEGE OF NURSING "GRIGORE GHICA VODA"

10/2013 – 07/2016 Iasi, Romania

FACULTY OF BIOLOGY, MAJOR IN BIOLOGY, UNIVERSITY "ALEXANDRU IOAN CUZA"

● **LANGUAGE SKILLS**

Mother tongue(s): **ROMANIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	B2	B2	B2	B2	B2
CHINESE	B1	B1	B1	B1	B1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● **DIGITAL SKILLS**

ECDL - European Computer Driving Licence Certificate

● **PUBLICATIONS**

2024
Understanding the Transfer and Persistence of Antimicrobial Resistance in Aquaculture Using a Model Teleost Gut System

bioRxiv
Alexandru Barcan, Joseph Humble, Sandeep Kasaragod, Mohammad Saiful Sajib, Rares Barcan, et al.

2024
Genomic Insights into Bacterial Antimicrobial Resistance Transmission and Mitigation Strategies

Curr Pharm Biotechnol.
Alexandru-Stefan Barcan, Rares-Andrei Barcan, Emanuel Vamanu

2024
Therapeutic Potential of Fungal Polysaccharides in Gut Microbiota Regulation: Implications for Diabetes, Neurodegeneration, and Oncology

Journal of Fungi. 10(6):394.
Alexandru-Stefan Barcan, Rares-Andrei Barcan, Emanuel Vamanu

2023
Boletus edulis Extract — A New Modulator of Dysbiotic Microbiota

Life. 13(7):1481.
Avram, Ionela, Diana Pelinescu, Florentina Gatea, Robertina Ionescu, Alexandru Barcan, et al.

2023
Influences of Edible Mushrooms on Dynamic and Diversity of Gut Microbiota

Mushrooms with Therapeutic Potentials. Springer Nature
Alexandru-Stefan Barcan, Emanuel Vamanu

● **CONFERENCES AND SEMINARS**

06/2024 Glasgow
Thesis Corner - DIGITAL MUSEUM

Multidrug-Resistant Plasmid Pursuit in the Atlantic Salmon Artificial Gut System (SalmoSim) Via Hi-C – Barcan, A. S., Humble, J., Kasaragod, S., Sajib, M. S. I., Barcan, R. A., McGinnity, P., Welch, T. J., Robertson, B., Vamanu, E., Bacigalupo, A., Llewellyn, M. S., & Pedrals, F. S.

12/2016 Iasi

Participation in the National Student Symposium "Mihai David", VII edition

2015 Iasi

Third edition of the National Conference of Criminology

During this conference, I participated in both the scientific communication session and the workshop session.

● **HONOURS AND AWARDS**

08/2023

H.G. Scholarship no. 118/2023. – AGENCY FOR CREDITS AND SCHOLARSHIPS

07/2023

Erasmus Scholarship – USAMV Bucharest

Period: 17.07.2023 – 17.10.2023 - SBOHVM, University of Glasgow, Graham Kerr Building, G12 8QQ

05/2022

Erasmus Scholarship – USAMV Bucharest

Period: 01.10.2022 – 01.06.2023 School of Biological, Earth & Environmental Sciences, University College Cork, Cork, Ireland

03/2017

Chinese government scholarship – AGENCY FOR CREDITS AND SCHOLARSHIPS

Awarded in the competition for scholarships offered on the basis of bilateral collaboration documents between Romania and China

● **VOLUNTEERING**

11/2020 Iasi

Blood donor at the blood transfusion center in Iasi

2014 – 2016 Iasi

Volunteer in the TERIS association

As a result of activities (educational, environmental, social, and cultural) within the TERIS association, I obtained the certificate of volunteering

Iasi and Cluj

Participation in the Project "Exchange Experiences" between the Faculties of Biology Iasi - Cluj and Cluj - Iasi 2014, 2015

● **PERSONAL SKILLS**

Communication skills

Good communication skills gained from my experience as a group leader in college

Organizational skills

Good organizational skills acquired through involvement in various events and projects

● **ADDITIONAL INFORMATION**

07/2016 – 08/2016

Summer school a+,

Technologies, laboratory techniques, and quality assurance in the pharmaceutical industry

● **ANNEXES**

At the request, diplomas and certificates related to each activity mentioned above will be attached to the application
