

Curriculum Vitae

PhD Programme in Agricultural, Environmental and Food Science and Technology

Personal Information

First name(s) / Surname(s)	Sona Hajiyeva
Nationality	Azerbaijani
Date of birth (day, month, year)	04/12/1997
Gender	Female
Email address	sona-hajiyeva@unec.edu.az

University Education

Master

Official duration in years	2.5 years			
Dates (start – end or planned end)	September 2019-December 2021			
Awarding institution	<i>Eskisehir Technical University – EsTÜ, Republic of Türkiye</i>			
Title of qualification awarded	<i>MSc degree with honour in Biotechnology)</i>			
Marks	YOUR mark	Minimum PASS mark	Maximum mark	ECTS conversion (if available)
Final grade (if available)	94.40 out of 100.00 (AA) with Excellence	<i>BB (80-84)</i>	<i>AA (94.40 out of 100)</i>	<i>Total 205.5 ECTS</i>
Weighted average of exam marks				
Title and topic of Master Thesis	Investigation of the phycocyanin production potential of different strains of cyanobacteria isolated from various environments			

Employment

Currently employed	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Summary of current employment (start – end)	Senior Lab-Researcher, biotechnologist, part-time academic instructor at the “Food Safety” Laboratory named after Nobel laureated Aziz Sanjar School of Engineering and Applied Sciences Azerbaijan State University of Economics (UNEC) (February 2022 – ongoing)
Past employment record and skills obtained (start – end)	Ganja Central Diagnostic Hospital, Ganja, Azerbaijan (March 2018-May 2018) Responsibilities: Examination of blood tests, the examination of bacteria present in the blood. Ganja International Hospital, Ganja, Azerbaijan (April 2019-June 2019) Responsibilities: Laboratory specialist for blood analysis in the Laboratory of Microbiology and Chemistry.

Research and Study Abroad Experiences

List periods of study abroad (Erasmus and/or others), and research periods at universities or public/private institutions (only the last 5 years will be considered)

Scientific research of any kind (basic, oriented, translational, applied etc.) (start – end) <ul style="list-style-type: none">Laboratory researcher and supervisor assistant in the Laboratory of Microbiology and Biotechnology under Eskisehir Technical University, Eskisehir, Türkiye, (September, 2019 August 2021)
Periods of study abroad (start – end) September 2019- December 2021

Other qualifications

List other experiences relevant to the PhD Programme (only the last 5 years will be considered)

University Master Courses (Master universitari di I e II livello) relevant to the PhD Programme Semester 1. FBE510-0 Ethics of Science and Research Techniques ITB501 Biotechnology ITB503 Biotechnology Laboratory Techniques I ITB508 Applications of High Performance Liquid Chromatography in Bi ITB521 Microbial Biotechnology Semester 2. ITB504 Biotechnology Laboratory Techniques II ITB507 Biometer ITB517 Biosafety in Microbiology Laboratory ITB592 Seminar Semester 3. ITB790 Thesis UIT701 Research in Area of Specialization ITB790 Thesis UIT702 Research in Area of Specialization ITB790 Thesis UIT701 Research in Area of Specialization ITB790 Thesis UIT702 Research in Area of Specialization
Postgraduate training programmes/specialization programmes relevant to the PhD Programme 2022. Intensive Soft Skills Training for academic and administrative staff, Successful Completion certificate, Azerbaijan State University of Economics (UNEC) 2023. Academic Leadership of Women in Science training, Successful Completion certificate, funded by Center of Excellence in EU studies and Institute for Development and Diplomacy at ADA University
Internships (start – end) Institute of Plant Protection, Ganja, Azerbaijan (June, 2016-August 2016) Responsibilities: Study of the composition of pests, diseases, and weeds of agricultural, forestry, landscaping, and ornamental plants, specification of bio-ecological features, and measures to be taken against harmful species. Laboratory of the Azerbaijan National Academy of Sciences, Ganja, Azerbaijan, (June 2017-July 2017) Responsibilities: Research and application of modern methods in soil toxicity research, methodological support, application of scientific and technical projects.

Azerbaijan State Agrarian University, Ganja, Azerbaijan (August 2017-August 2017)

Responsibilities: Veterinary and zoo research

2019-2021. Eskisehir Technical University Eskisehir, Türkiye

Laboratory researcher, supervisor assistant in the Laboratory of Microbiology and Biotechnology under Eskisehir Technical University

Responsibilities: Study of the ability of blue-green cyanobacteria isolated from different environments to produce phycocyanin as a part of the Master thesis.

University teaching at any level (start – end)

Academic instructor at Azerbaijan State University of Economics (UNEC), Food Safety” Laboratory named after Nobel laureated Aziz Sanjar, School of Engineering and Applied Sciences.

“Food microbiology” course for BA students (One semester/February 2022-June 2022)

“Biotechnology” course for BA students (One semester/February 2022-June 2022)

“Biology” course for BA students (One semester/September 2022-January 2023)

“Food safety” and winemaking course for BA students (One semester/September 2022-January 2023)

“Laboratory” analysis and techniques course (Each semester/February 2022-June 2023)

Other qualifications attesting the applicant’s skills and education (prizes, grants etc.)

Conferences, seminars, and workshops

2015. Spring School of Biology, Baku, Azerbaijan

2016. Annual Academic Conference, Ganja State University, Ganja, Azerbaijan

2016. Harmful effects of smoking on the human body, Ganja, Azerbaijan

2016. Who is smarter? - Opinion contest, Ganja State University, Ganja, Azerbaijan

2016. XXI Annual Student Scientific Conference, Baku, Azerbaijan

2016. Ganja-European Youth Capital 2016, volunteer, Ganja, Azerbaijan

2016. XXII Student Academic Scientific Conference, Baku, Azerbaijan

2017. Mutations in human genes, scientific conference, Baku, Azerbaijan

2017. Intensive seminar, Azerbaijan University of Technology, Ganja, Azerbaijan

2019. Immigration and International Protection, the meeting point of cultures, Eskisehir, Türkiye

2020. Türkiye Scholarship Program, Eskisehir International Student Academy of Science and Technology seminar participant, Eskisehir, Türkiye

2020. Certificate program on the Infection Prevention and Control (IPC) for Novel Coronavirus - Covid 19”, World Health Organization (WHO) and Health Emergencies Program

2021. Moderator, TEKNOFEST 2021, Aerospace and Technology Festival, Türkiye

2022. Moderator, TEKNOFEST 2022, Aerospace and Technology Festival, Baku, Azerbaijan

2022. Azerbaijan, Scientific Conference, Sumgayit State University, Sumgayit, Azerbaijan.

2022. VI International Scientific Conference of Young Researchers, Baku Engineering University and the Ministry of Science and Education, (UNEC), Baku, Azerbaijan.

2022. International Turkic World Congress on Science and Engineering (TURK-COSE 2022), Nigde Omer Halis Demir University, Türkiye.

2022. XI International Scientific Conference On "Scientific Achievements and Challenges in Biology", Baku State University and the Ministry of Science and Education of the Republic of Azerbaijan

2022. Intensive Soft Skills Training for academic and administrative staff, Successful Completion certificate, Azerbaijan State University of Economics (UNEC)

2023. Academic Leadership of Women in Science training, Successful Completion certificate, funded by Center of Excellence in EU studies and Institute for Development and Diplomacy at ADA University

Academic achievements

2013. Olympics Competition, the first place in Chemistry, Ganja, Azerbaijan

2013. Olympics Competition, the first place in Biology, Ganja, Azerbaijan

2014. The Fully Funded State Scholarship by the Ministry of Science and Education of the Republic of Azerbaijan for the higher academic performance and excellence to pursue Bachelor of Science studies at Ganja State University

2016. Certificate of Honor, Plant Cell Differentiation and Life Cycle Presentation,

2016. Honorary diploma, XXII Annual Student Scientific Conference, Ganja State University, Ganja, Azerbaijan

2017. “Best Student” Award of the Year, Ganja State University, Ganja, Azerbaijan

2020. Honorary diploma in the Implementation of Infection Prevention and Control System for New Type Covid-19 Virus, World Health Organization.
 2020. The Full-funded State scholarship by the Türkiye State Scholarship of the Republic of Türkiye (Türkiye Bursları) for the outstanding academic performance to pursue Master of Science studies at Eskisehir Technical University, Eskisehir, Türkiye

Technical Equipment Working Skills

RT-PCR: Polymerase chain reaction in medical and biological research laboratories for diagnosis of hereditary diseases, identification of genetic fingerprints, diagnosis of infectious diseases, gene cloning, paternity testing, and DNA calculation

UV/Vis: All types of ultraviolet electromagnetic spectrophotometry spectrum analysis of chemical substances
 HPLC (and other types thereof): Separation of proteins and other chemical substances by High Performance Liquid Chromatography

SEM (and other simple perspective light microscopes): - Characterization of particles and nanoparticles with different physical characteristics by Scanning Electron Microscope.

Vertical and horizontal electrophoresis systems: separating proteins or molecules such as DNA and RNA according to their charge and size, purification, determination, or characterization of molecular weight
 Western blotting: the unique detection of one desired protein in a mixture containing multiple proteins from any given sample.

Testing Equipment for Food Quality Analysis - microbiological tests, gmo DNA analysis.

General Laboratory Equipment and Spare Parts - Autoclaves, Uv Sterilizers, Cleaning and Disinfectors, Analytical Balances, Biosafety Cabinets, Evaporators, Shakers, Homogenizers, Sonicators, Incubators, Magnetic Stirrer/Hot Plates, Centrifuges, Vortex Mixers, and other laboratory equipment.

Confocal Microscopy - increasing optical resolution and contrast of a micrograph by means of using a spatial pinhole to block out-of-focus light in image formation.

Genomic and plasmid DNA, and RNA isolation and purification - the basics of DNA isolation, plasmid growth and nucleic acid quantification, 1) lysis of the cellular structure, 2) separation of soluble DNA from cell debris and other insoluble material, 3) binding of the DNA of interest to a purification matrix, 4) washing proteins and other contaminants away from the matrix, and 5) elution of the DNA.

Agarose and acrylamide gel electrophoresis RNase protection assay

Language Proficiency

Mother tongue(s)	Azerbaijani				
Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
Language: English	Level: C1	Level: C1	Level: B2	Level: B2	Level: C1
	Language certificate:				
Language: Turkish	Level: C2	Level: C2	Level: C2	Level: C2	Level: C2
	Language certificate: Academic Turkish language Proficiency Exam				
	Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user Common European Framework of Reference for Languages				