

CURRICULUM VITAE

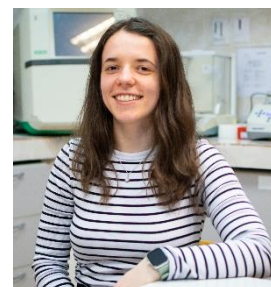
Personal Information

Family name, First name: **Nagy Blanka-Eszter**

Nationality: Romanian

Affiliation: Enzymology and Applied Biocatalysis Research Center,
Faculty of Chemistry and Chemical Engineering, Babeş-Bolyai
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Education

2022- ongoing **MSc** – Faculty of Chemistry and Chemical Engineering, Babeş-Bolyai University, Romania

Specialisation: Chemistry and Engineering of Nano- Biomaterials

2022- ongoing **MSc** – Faculty of Chemistry and Chemical Engineering, Babeş-Bolyai University, Romania

Specialisation: Psychopedagogical Training Program

2018-2022 **BSc** – Faculty of Chemistry and Chemical Engineering, Babeş-Bolyai University, Romania

Specialisation: Chemistry and Engineering of Organic Substances, Petrochemistry and Carbochemistry (average grade: 9.87/10, top 5%)

2018-2022 **BSc** – Faculty of Chemistry and Chemical Engineering, Babeş-Bolyai University, Romania

Specialisation: Psychopedagogical Training Program

Work experience

05.03.2024-present *Chemist* within research project PNRR I8, contract nr. 760251/28.12.2023, Exploring bacterial protein-protein interactions for antibiotic research – BACPROBIO (Director: Dr. Jürgen Brem), Faculty of Chemistry and Chemical Engineering, Babeş-Bolyai University, Romania

01.11.2023-14.12.2023 *Consultant for students* within the ROSE project "Chimia non-formală"- Competențe de succes pentru o carieră în chimie și inginerie chimică" - project nr. 315/SGU/PV/III from 18.06.2021, Faculty of Chemistry and Chemical Engineering, Babeş-Bolyai University, Romania

19.07.2021-08.08.2021 *Intern* at the European Drinks SRL., Stei, Romania

Scholarships and Awards

2024 - present CEEPUS Mobility Grant - Short Term Student- Teaching and Learning Bioanalysis, at the Department of Inorganic and Analytical Chemistry, University of Debrecen - RO-0010-2324-178419 - awarded by the National CEEPUS Office (NCO) of Hungary

- 2023-present *Talent management scholarship* – offered through the Collegium Talentum Programme of Hungary (scholarship program supporting the professional development of young Hungarians and advancing their intellectual careers)
- 2023-present *Special scholarship for scientific activity* – STAR-UBB Institute, Babeş-Bolyai University, Romania
- 2023 1st place at the XXIX. International Conference of Chemistry - poster session
- 2023 Márton Áron Talent Scholarship – awarded by Balassi Scholarship, financed by the Ministry of Foreign Affairs and Trade of Hungary
- 2022 Certificate - ETDK Award for Hungarian Higher Education – awarded by the Bolyai Society
- 2022 1st place at the XXV. Transylvanian Students Scientific Conference (ETDK), Cluj-Napoca, Romania

Conferences and seminars

- 25.10.2023-28.10.2023 XXIX. International Conference of Chemistry, Targu-Mures, Romania (Poster session)
- 26.04.2023-30.04.2023 XIX. International Conference ‘Students for Students’, Cluj-Napoca, Romania (Oral presentation)
- 12.04.2023-15.04.2023 36th National Scientific Students' Associations Conference (OTDK), Biochemistry section, Szeged, Hungary (Oral presentation)
- 19.05.2022-22.05.2022 25th Transylvanian Students Scientific Conference (ETDK), Cluj-Napoca, Romania (Oral presentation)

Job related skills

Proper knowledge in: biocatalysis, enzymology, protein and genetic engineering with *competences in:* molecular cloning, primer design, expression and purification of enzymes and *skills related to different techniques:* High Performance Liquid Chromatography (HPLC), Fast Protein Chromatography (FPLC), UV-VIS spectroscopy, gel electrophoresis (SDS-PAGE, agarose gels), Western-Blot (WB), Polymerase Chain Reaction (PCR)

Computer and computational skills: Microsoft Office, ChemOffice, GraphPad, PyMOL, SnapGene, MatLab, ChemCAD, AspenPlus, Jupyter Notebook – Anaconda, SolidEdge, EndNote

Good organizational and teamwork skills, good time management and good communication abilities.

Language skills

Mother tongue: Hungarian; proficient user (C1) in Romanian and (C1) in English.

Volunteering

- 2018-2022 active member of the faculty's students associations (Kolozsári Magyar Ifjú Kémikusok Szövetsége-KOMIX - Organisation of young hungarian chemists of Cluj-Napoca)
- 06.03.2021-08.03.2022
President - Organisation of young hungarian chemists of Cluj-Napoca
- 08.02.2022-06.03.2021
Executive Vice President - Organisation of young hungarian chemists of Cluj-Napoca
- 17.01.2020-18.11.2021
Student representative - Faculty of Chemistry and Chemical Engineering

2024.05.29. Cluj-Napoca, Romania