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 Babeş-Bolyai University, 11 Arany Janos, Faculty of Chemistry and Chemical Engineering, 400028, Cluj-Napoca, Romania

Conferences

International Conference Students for Students

Cluj-Napoca 04/2022 - oral presentation

Student Scientific Communications Session

Bucharest 05/2022 - oral presentation

- first prize for outstanding results achieved

National Conference of Chemistry

Călimăneşti-Căciulata 10/2022 - poster

International Conference Students for Students

Cluj-Napoca 04/2023 - oral presentation

- prize from the Romanian Chemical Society for the obtained results

National Conference of Chemistry

Târgovişte 09/2024 - oral presentation

Journées Grand Sud de la Société Chimique de France – SCF Grand Sud 2025

Montpellier 12/2025 - oral presentation

Language

English

LISTENING **C1** READING **C1** WRITING **C1**

SPOKEN PRODUCTION **C1** SPOKEN

INTERACTION **C1**

Digital Skills

- Microsoft Office| ChemDraw| MenstreNova| UV-Vis Spectroscopy| Fluorescence Spectroscopy|
- Active use of social networks and communication platforms|
- Zotero

Driving Licence

Motorbikes: **AM**

Cars: **B1**

Cars: **B**

ANDREEA OANEA

Education

2018

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2021

Bachelor's degree

Cluj-Napoca - Babeş-Bolyai University, Faculty of Chemistry and Chemical Engineering

Thesis: "Fluorescent Rhodanine Derivatives - Synthesis and Structural Analysis"

- literature study and synthesis of rhodanine derivatives in order to obtain acceptors for the construction of organic solar cells
- structural characterization by NMR spectroscopy and HRMS

10/

2022

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07/

2023

Research scholarship for scientific activity

Cluj-Napoca - Babeş-Bolyai University, Faculty of Chemistry and Chemical Engineering

Master's degree - Advanced Chemistry

Cluj-Napoca - Babeş-Bolyai University, Faculty of Chemistry and Chemical Engineering

Thesis: "N-Acylhydrazones with thienyl groups - potential molecular photoswitches"

- synthesis of a new series of tunable N-acylhydrazones bearing hydroxy/ methoxybenzene units
- investigation of absorption and emission properties

2023

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present

PhD student

Cluj-Napoca - Babeş-Bolyai University, Faculty of Chemistry and Chemical Engineering

- field of chemistry
- synthesis, characterisation and testing of functional membranes for CO₂ capture and sequestration

01/

2024

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06/

2024

Erasmus+ mobility

Montpellier - University of Montpellier

- Traineeship title: "Dynamic membranes for carbon dioxide capture and storage"

Work Experience

7/

2022

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10/

2023

Technician

Cluj-Napoca - Babeş-Bolyai University

- the literature study on the project theme
- synthesis of organic building blocks with amino and aldehyde groups to obtain anion exchange membranes

11/

2023

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present

Scientific Research Assistant

Cluj-Napoca - Babeş-Bolyai University

- synthesis and structural characterisation of novel building blocks, macrocycles and cages in order to obtain dynamic covalent networks
- preparation of dynamic membranes and characterisation
- study of carbon dioxide capture and storage properties of the membranes