



Alexandra-Maria Căldăruș

Nationality: Romanian **Date of birth:** 24/11/1999 **Place of birth:** Cluj-Napoca

Gender: Female **Email:** maria.baicus@ubbcluj.ro

WORK EXPERIENCE

Babes-Bolyai University – Cluj-Napoca, Romania

City: Cluj-Napoca | Country: Romania

University research assistant

[11/2023 – Current]

SC Terapia SA – Cluj-Napoca, Romania

City: Cluj-Napoca | Country: Romania

Chemist

[01/2022 – 27/10/2023]

Analyzing physico-chemical parameters with the help of specialized equipment (UV-Vis, IR spectrophotometer, X-ray diffractometer, etc.) of the medicinal products that were meant for the import towards the EU.

H&M Hennes and Mauritz SRL – Cluj-Napoca, Romania

City: Cluj-Napoca | Country: Romania

Commercial sales representative

[10/2021 – 01/2022]

- Customer relations
- Basic accounting

SMS Romania S.R.L. – Cluj-Napoca, Romania

City: Cluj-Napoca | Country: Romania

Sales assistant

[08/2020 – 03/2021]

- Customer relations
- Basic accounting

Festival Tickets Management SRL – Cluj-Napoca, Romania

City: Cluj-Napoca | Country: Romania

Commercial sales representative

[07/2019 – 07/2019]

SC MEDIA MODELS SRL – Cluj-Napoca, Romania

City: Cluj-Napoca | Country: Romania

Commercial sales representative

[06/2019 – 06/2019]

 **Hotel Armatti** – Brasov, Romania

City: Brasov | Country: Romania

Restaurant hostess

[07/2017 – 09/2017]

 **Premier Restaurants Romania Srl** – Brasov, Romania

City: Brasov | Country: Romania

Cashier

[06/2016 – 09/2016]

EDUCATION AND TRAINING

PhD

Faculty of Chemistry and Engineering Chemistry, Babes-Bolyai University [07/2023 – Current]

City: Cluj-Napoca | Country: Romania | Website: <http://www.chem.ubbcluj.ro/>

Erasmus experience

Université de Montpellier, Institut Européen des Membranes [20/01/2025 – 22/06/2025]

City: Montpellier | Country: France | Website: <https://www.umontpellier.fr/>

During my mobility, I was involved in a research project focused on **artificial water channels** which is a topic closely related to my PhD studies. I conducted experimental work aimed at testing water and ion transport across lipid bilayers membranes for several compounds obtained. My research involved using advanced techniques and instruments such as **Stopped-flow, Dynamic Light Scattering (DLS), Patch-clamp** and **Fluorimeter**.

Pedagogical training program (Level 2)

Babes-Bolyai University [10/2021 – 07/2023]

City: Cluj-Napoca | Country: Romania | Website: https://infoadmitere.ubbcluj.ro/ro/licenta/modul_pedagogic

Master Degree in Advanced Chemistry

Faculty of Chemistry and Engineering Chemistry, Babes-Bolyai University [10/2021 – 07/2023]

City: Cluj-Napoca | Country: Romania | Website: <http://www.chem.ubbcluj.ro/>

Pedagogical training program (Level 1)

Babes-Bolyai University [10/2018 – 07/2021]

City: Cluj-Napoca | Country: Romania | Website: https://infoadmitere.ubbcluj.ro/ro/licenta/modul_pedagogic

Bachelor Degree in Chemistry

Faculty of Chemistry and Engineering Chemistry, Babes-Bolyai University [10/2018 – 07/2021]

City: Cluj-Napoca | Country: Romania | Website: <http://www.chem.ubbcluj.ro/>

DELF B2

Minister of National Education of France [07/2018]

City: Brasov | Country: Romania

Highschool Degree

National College "Andrei Şaguna" [09/2014 – 07/2018]

City: Brasov | Country: Romania | Website: <https://www.saguna.ro/beta/>

LANGUAGE SKILLS

Mother tongue(s): Romanian

Other language(s):

English

LISTENING C1 READING C1 WRITING C1

SPOKEN PRODUCTION C1 SPOKEN INTERACTION C1

French

LISTENING B2 READING B2 WRITING B2

SPOKEN PRODUCTION B2 SPOKEN INTERACTION B2

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

SKILLS

Microsoft Word / Microsoft Office / Microsoft Excel / Microsoft Powerpoint / Google Drive / Searching via Internet (for any kind of Research and especially scientific Research) / Knowledge of working with Mestrenova and Chemdraw / Spartan '14 / Viewer Lite