



Alexandra Bîrzu

Informații Personale

Porumbului street, nr. 10,
Iasi, Iasi, Romania

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Naționalitate
Romanian

Abilități

Native language

Foreign languages

Communication skills

Computer skills

Limbi

Romanian

English



Experiență de lucru

Researcher assistant, Institute of Macromolecular Chemistry
"Petru Poni", Iasi

noiembrie 2024 - iunie 2026

PNRR-III-C9-2022 – I8, <https://icmpp.ro/metubin/index.php>



Educație

PhD, School of Advanced Studies of the Romanian Academy
(SCOSAAR), Institute of Macromolecular Chemistry "Petru
Poni", Iasi

octombrie 2024 - Prezent

*Heterocyclic Schiff Bases and Derived Metal Complexes with
Anticancer Potential*, Scientific Supervisor: Senior
Researcher I (CSI), Dr. Maria Cazacu.

Master's Degree, Major in Chemistry of Cosmetic and
Pharmaceutical Products, "Alexandru Ioan Cuza" University
in Iasi, Faculty of Chemistry

2020 - 2022

Phenanthroline-Derived G-Quadruplex DNA Stabilizers,
Supervisor: Prof. Ramona Dănac

Bachelor's Degree, Major in Chemistry, "Alexandru Ioan
Cuza" University in Iasi, Faculty of Chemistry

2017 - 2020

*Study of Manganese, Iron, and Cobalt and Their Biological
Role*, Supervisor: Prof. Nicoleta Cornei.

Diploma de bacalaureat, Colegiul Național "Garabet
Ibrăileanu", Iai, Profil Real, Specializarea Științe ale Naturii

2014 - 2017



Scientific Events

RomCat 2025 – 14th International Symposium of the
Romanian Catalysis Society, Cluj-Napoca, Romania, July 9–
11, 2025

Participated in the 14th International Symposium of the
Romanian Catalysis Society (RomCat 2025), where I
presented a poster entitled *"Toward a Heterocyclic Schiff
Base and Its Cu(II) Complex with Anticancer Potential"* (A.
Bîrzu, M. Dascălu, G. Roman, V. Arion)

IașiCHEM 2025 Iași, Romania, October 30–31, 2025

Participated in IașiCHEM 2025, organized by the Faculty of Chemistry of the "Alexandru Ioan Cuza" University of Iași. Delivered an oral presentation entitled ***"Synthetic Approach to a Heterocyclic Schiff Base as a Precursor to Cu(II) Complexes with Potential Anticancer Activity"*** (A. Bîrzu, M. Dascălu, G. Roman, M. Cazacu, V. Arion)

MacroYouth 2025 – Scientific Communication of Young Researchers: Open Door to the Future Iași, Romania, November 19, 2025

Participated in the 6th edition of MacroYouth 2025, organized by the "Petru Poni" Institute of Macromolecular Chemistry. Presented a poster entitled ***"New Synthetic Route to Heterocyclic Schiff Bases as Precursors for Bioactive Cu(II) Complexes"*** (A. Bîrzu, M. Dascălu, G. Roman, V. Arion, M. Cazacu), showcasing results obtained within the Metubin research project. The contribution was awarded **Second Prize** in the Young Researchers section.



Participation in Thematic Schools

Summer School "Catalysis at the Crossroads Between Biology and Chemistry" Cluj-Napoca, Romania, July 5–8, 2025

Organized by the Romanian Catalysis Society and hosted by Babeș-Bolyai University, Cluj-Napoca, Romania. Participation was funded through the Metubin project (PNRR-III-C9-2022 – I8).