

Antonia-Francesca Cojocariu



Personal Information



Antonia-Francesca Cojocariu



cojocariu.antonina@icmpp.ro



Female



Romanian

Skills

ChemDraw

Reaxys

TopSpin

PubMed

Microsoft Office

Languages

Romanian



French



English



Work experience

Research Assistant

Feb. 2026 - Jun. 2026

Petru Poni Institute of Macromolecular Chemistry, Iasi, Romania

Project: PNRR-III-C9-2022-I8 <https://icmpp.ro/metubin/>

Education and Training

PhD Studies

Oct. 2025 - Present

The School of Advanced Studies of the Romanian Academy - Petru Poni Institute of Macromolecular Chemistry, Iasi, Romania

- Field: Chemistry
- Title: *Hybrid structures containing silicon and organic fragments derived from renewable bioresources*

Master's Degree

Oct. 2023 - Jul. 2025

Faculty of Chemistry, "Alexandru Ioan Cuza" University, Iasi, Romania

- Field: Chemistry of Cosmetic and Pharmaceutical Products
- Final grade: 10
- Title: *New heterocyclic compounds with applications*

Bachelor's Degree

Oct. 2020 - Jul. 2023

Faculty of Chemistry, "Alexandru Ioan Cuza" University, Iasi, Romania

- Field: Medical Chemistry
- Final grade: 9,84
- Title: *Oxygen containing heterocyclic compounds*

High School Diploma

Sept. 2016 - Jul. 2020

"Petru Rareș" National College, Piatra Neamt, Romania

- Field: Natural Sciences
- Final note: 9,85

Internships

Erasmus+ Research Internship

Feb. 2025 - Apr. 2025

JUNIA, Laboratory of Sustainable Chemistry and Health, TRD Health & Environment, Lille, France

- Activities: synthesis of compounds with therapeutic activity, green synthesis using sonication, purification by flash chromatography, physicochemical analysis (NMR, IR, melting point), literature research (SciFinder).

Internships

8-19 Jul. 2024

Petru Poni Institute of Macromolecular Chemistry, Iasi, Romania

- Activities: synthesis of sulfonamide derivatives via *N*-acylation reactions, purification by recrystallization, physicochemical characterization (NMR, IR, MS), literature study on inhibitory activity against carbonic anhydrases.

Internship

18-29 Jul. 2022

Praxis Laboratory, Iasi, Romania

- Activities: medical laboratory techniques, analysis of experimental protocols and Good Laboratory Practices, familiarization with equipment and workflow.

Internship

4-15 Jul. 2022

Regional Institute of Oncology, Iasi, Romania

- Activities: sample reception and registration, pre-analytical processing, hematological and biochemical analyses.

Qualities

- Curiosity
- Analytical thinking
- Perseverance
- Ability to learn
- Teamwork
- Attention to detail

Volunteering

Promotion of the educational offer of the Faculty of Chemistry, "Alexandru Ioan Cuza" University of Iasi

Oct. 2024 - Jun. 2025

Experiments at "Mihai Eminescu" National College, the 7th edition of SCIENCE CAMP Iasi, Romania

Publications

Considerații statistice privind rezultatele școlare în cadrul chimiei organice 2023

Ana Ciochină, Antonia-Francesca Cojocariu, Dănuț-Gabriel Cozma
Revista Metode și mijloace de învățământ pentru chimie, no. 9, pp. 41-64, "Alexandru Ioan Cuza" University Press

Courses and Summer Schools

Psycho-pedagogical Module – Levels I and II, UAIC Iasi, Romania

Oct. 2020 - Jul. 2025

Perform a+ Program, Antibiotice SA Iasi, 8th Edition, Iasi, Romania

Sept. 2023 - Oct. 2023

Summer School "Path to Scientific Discoveries", Academy of Sciences of Moldova, Chisinau, Moldova

13-16 Jun. 2023

From the Discovery of a Chemical Substance to Drug Authorization

17 March 2023

Information session on drug development and approval stages
Clinical Studies Center, S.C. ANTIBIOTICE S.A. Iasi, Romania

Conferences

Sesiunea de comunicări științifice a studenților, masteranzilor și doctoranzilor

"Chimia - frontieră deschisă spre cunoaștere", 16th Edition
Iasi, Romania, 19/06/2025

Oral presentation: Coumarin-1,2,3-triazole hybrid molecules with therapeutic potential, Antonia-Francesca Cojocariu, Dalila Belei, Alina Ghineț.

Sesiunea de comunicări științifice a studenților, masteranzilor și doctoranzilor

"Chimia - frontieră deschisă spre cunoaștere", 15th Edition
Iasi, Romania, 27/06/2024

Oral presentation: Derivatives of β -keto esters precursor in the synthesis of coumarins, Antonia-Francesca Cojocariu, Dalila Belei.

Sesiunea de comunicări științifice a studenților, masteranzilor și doctoranzilor

"Chimia - frontieră deschisă spre cunoaștere", 14th Edition
Iasi, Romania, 23/06/2023

Poster: 4-Arylcoumarin derivatives, Antonia-Francesca Cojocariu, Alina-Brîndușa Petre, Dalila Belei.

Sesiunea Națională Metodico-Științifică

"Metode și mijloace de învățământ pentru chimie", 50th Edition
Iasi, Romania, 04/06/2022

Oral presentation: Statistical considerations regarding academic results in organic chemistry, Ana Ciochină, Antonia-Francesca Cojocariu, Dănuț-Gabriel Cozma.

Antonia-Francesca Cojocariu