



Nicoleta Andrian

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WORK EXPERIENCE

Babeş-Bolyai University – Cluj-Napoca, Romania

Website: <https://chem.ubbcluj.ro/~hetorgmet/research/grants/t3-pt/team.html>

Chemical technician, Scientific research assistant

[01/09/2024 – 30/06/2026]

Main activities and responsibilities:

- Specific biochemical measurements of axial Pt(VI) ligands and complexes functionalized with biologically active ligands;
- Participation in meetings with project team members in order to organize and monitor the activities carried out within the project; Monthly scientific report with the results obtained.

Instrumental analytical methods:

- Spectroscopy (UV-Vis and fluorescence);
- Electrophoresis (SDS-PAGE);
- High-performance liquid chromatography for proteins (FPLC).

Ircon SRL – Iasi, Romania

Analytical chemist

[08/08/2023 – 20/09/2023]

Main activities and responsibilities:

- Sampling of packaging materials, raw materials and finished products;
- Performing physico-chemical analyses within the laboratory in accordance with internal documentation;
- Elaboration of documents within the Quality Control Department (operational procedures, analytical sheets, quality certificates, etc.);
- Preparation of reagents;
- Physico-chemical control of water;
- Development of stability studies.

Instrumental analytical methods:

- Spectroscopy (IR, UV-Vis);
- High-performance liquid chromatography (HPLC).

ElaDum Pharma SRL – Straseni, Moldova

Analytical chemist

[17/03/2021 – 03/04/2023]

Main activities and responsibilities:

- Validation of analytical and technological methods;
- Sampling of packaging materials, raw materials and finished products;
- Sampling for microbiological analysis and monitoring of air and lavages;
- Performing physico-chemical analyses within the laboratory in accordance with internal documentation;
- Elaboration of documents within the Quality Control Department (operational procedures, analytical sheets, quality certificates, etc.);

- Preparation of reagents;
- Physico-chemical control of water;
- Development of stability studies.

Instrumental analytical methods:

- Spectroscopy (IR, UV-Vis);
- Gas chromatography (GC).

EDUCATION AND TRAINING

PhD student

Institute of Doctoral Studies at Babeş-Bolyai University [29/09/2025 – Current]

City: Cluj-Napoca | Field(s) of study: Chemistry

Clinical chemist

BBU Faculty of Chemistry and Chemical Engineering [01/10/2023 – 01/07/2025]

City: Cluj-Napoca | Country: Romania | Website: <http://www.chem.ubbcluj.ro/> | Field(s) of study: Clinical chemistry

- Advanced analytical chemistry;
- Applied biochemistry;
- Medical hematology;
- Chemometrics;
- Instrumentation and analytical techniques in the clinical and forensic laboratory;
- Medical immunology.

Chemical engineer

TUIASI Faculty of Chemical Engineering and Environmental Protection "Cristofor Simionescu" Iaşi [01/10/2019 – 10/07/2023]

City: Iaşi | Country: Romania | Website: <https://icpm.tuiasi.ro/> | Field(s) of study: Biochemical engineering | Final grade: 9,48/ 10 | Thesis: Citric acid production technology

During my undergraduate studies, I specialized in biochemical engineering, which includes the following areas:

- Industrial biotechnologies;
- Microbiology, molecular and cellular biology;
- Enzymology;
- Bioreactors;
- Food biotechnology;
- Natural extracts;
- Conditioning of biosynthesis products;
- Biotechnologies in environmental protection.

SKILLS

Microsoft Office / disseminate results to the scientific community / Good ability to use scientific databases (Scopus, SciFinder, Web of Science)

LANGUAGE SKILLS

Mother tongue(s): Romanian

Other language(s):

Russian

LISTENING B2 READING B1 WRITING A2

SPOKEN PRODUCTION A2 SPOKEN INTERACTION B1

English

LISTENING B1 READING B1 WRITING A2

SPOKEN PRODUCTION A2 SPOKEN INTERACTION A2

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

PUBLICATIONS

[2025]

[Controlling the biologically-relevant reactivity in coumarin derivatives: from antioxidant to prooxidant to DNA toxicity.](#)

Authors: Andrian, N.; Zăgrean-Tuza, C.; Lehene, M.; Brem, B.; Gal, E.; Stoean, B.; Gaina, L.; Hey-Hawkins, E.; Silaghi-Dumitrescu, R. | Volume, Issue and Pages: 70, 7-8, 421-433 | Publisher: Rev. Roum. de Chim.

[Influence of the second coordination sphere on the autooxidation reaction in oxygen-binding proteins.](#)

Authors: Cosprundan, A. M.; Andrian, N.; Zăgrean-Tuza, C.; Lehene, M.; Brem, B.; Gal, E.; Lupan, A.; Silaghi-Dumitrescu, R. | Volume, Issue and Pages: 70 (5-6), 313-327 | Publisher: Rev. Roum. de Chim.

[Dacarbazine affects the redox reactivity of hemoglobin.](#)

Authors: Cîrjeu, V.; Andrian, N.; Pușcaș, C.; Zăgrean-Tuza, C.; Silaghi-Dumitrescu, R. | Volume, Issue and Pages: 29, 961-965 | Publisher: J. Porphyrins Phthalocyanines

[2024]

[Platinum\(II/IV\) Complexes with N-Substituted Carboxylate Ethylenediamine/Propylenediamine Ligands: Preparation, Characterization and in Vitro Activity.](#)

Authors: Richter, S.; Lönnecke, P.; Bovan, D.; Andrian, N.; Stoean, B.; Lehene, M.; Silaghi-Dumitrescu, R.; Gaina, L.; Mijatović, S.; Maksimović-Ivanić, D.; Kaluđerović, G. N.; Hey-Hawkins, E. | Volume, Issue and Pages: 54, 3597-3609 | Publisher: Dalton Trans

CONFERENCES AND SEMINARS

[24/09/2025 – 26/09/2025] Timișoara, România

International Conference New trends in chemistry research (NewChemRes), edition 17

[21/09/2025 – 24/09/2025] Timișoara, România

International Conference on Protein Stabilization (ProtStab), edition 14

[14/06/2025 – 18/06/2025] Uppsala, Suedia

International Symposium on Applied Bioinorganic Chemistry (ISABC), edition 17

[09/04/2025 – 13/04/2025] Cluj-Napoca, România

International Conference Students for Students (CSFS), edition 21

[25/09/2024 – 27/09/2024] Târgoviște, România

National Conference of Chemistry (CNCHIM), edition 37

HOBBIES AND INTERESTS

Sports Passionate about sports, particularly running, volleyball and tennis. In spring 2025, I achieved a major personal goal by completing my first marathon, demonstrating discipline, perseverance and strong commitment to long-term objectives.

Link: https://maraton-cluj.ro/rezultate-2025/#1_7EE16A