



Raul-Cornel Ștefan-Pantiș

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europass

DESPRE MINE

Chemical Engineer and graduate of Babeș-Bolyai University (Faculty of Chemistry and Chemical Engineering), specializing in Organic Chemistry and Engineering, Petrochemistry, and Carbochemistry. Driven and results-oriented professional with a strong practical mindset, robust work ethic, and passion for technology. Demonstrates exceptional organizational skills, clear communication, and the agility to adapt quickly to dynamic technical environments.

EDUCAȚIE ȘI FORMARE PROFESIONALĂ

2025/09/28 – ÎN CURS Timișoara, România

PhD West University of Timișoara

Advanced Analytical Chemistry & Instrumental Analysis

- Chromatography & Mass Spectrometry (LC-MS, GC-MS, HPLC)
- Molecular Spectroscopy (UV-Vis, FLR)
- Pharmaceutical, Forensic & Archaeological Matrix Analysis
- Method Validation & Quality Assurance (ICH)

Nivel CEC Nivelul 8 CEC

2024/09/29 – 2025/07/13 București, România

Master's Degree – Specialization in Pharmaceutical & Cosmetic Products National University of Science and Technology Politehnica Bucharest

Quality Control & Instrumental Analysis: Operating analytical instruments for qualitative and quantitative testing (HPLC, UV-Vis spectrophotometry, FTIR)

Stability & Compatibility Testing: Assessing physicochemical and microbiological stability under accelerated stress conditions.

Regulatory Affairs & Compliance: Applying GMP (*Good Manufacturing Practice*) and GLP (*Good Laboratory Practice*) standards.

Process Technology: Understanding industrial manufacturing workflows.

Site de internet <https://www.chimie.upb.ro/> | **Nivel CEC** Nivelul 7 CEC

2018/11/30 – 2022/11/30 Cluj-Napoca, România

Chemical Engineer Babeș-Bolyai University, Faculty of Chemistry and Chemical Engineering

Process Engineering: Unit operations (heat, mass & momentum transfer), equipment sizing, process optimization, system automation.

Chemical Synthesis: Fine organic synthesis, inorganic synthesis, organometallic chemistry, air-sensitive techniques (Schlenk line / Glovebox).

Analytical Techniques: UV-Vis, FAAS, ICP-OES, X-ray Crystallography (XRD), Mass Spectrometry (MS), Nuclear Magnetic Resonance (NMR).

Site de internet <https://chem.ubbcluj.ro/> | **Domeniu de studiu** Inginerie chimică și procese chimice | **Diplomă finală** 10 | **Nivel CEC** Nivelul 6 CEC |

Clasificare națională 6 | **Tip de credite ECTS** | **Număr de credite** 244 |

Lucrare de diplomă Chemistry and Technology of Functionalized Xanthene Derivatives with Applications in Heavy Metal Ion Determination

2014/11/30 – 2018/11/30 Oradea, România

High School Diploma – Specialization in Natural Sciences Liceul Teoretic „Onisifor Ghibu” Oradea

Site de internet <https://www.ghibuoradea.ro/> | **Nivel CEC** Nivelul 4 CEC

2024/01/19 Walbronn, Germania

● **AriaMX qRT-PCR Applications, and On-site repair training** Agilent Technologies Deutschland GmbH

Site de internet <https://www.agilent.com/>

2024/02/09 București, România

● **Training remote OpenLab CDS v2.7 Workstation & Workstation Plus** Agilent Technologies Deutschland GmbH

Site de internet <https://www.agilent.com/>

2024/02/15 București, România

● **Training remote Agilent Spectroscopy Systems** Agilent Technologies Deutschland GmbH

Site de internet <https://www.agilent.com/>

2024/02/20 Waldbronn, Germania

● **Cary 60 Service Training** Agilent Technologies Deutschland GmbH

Site de internet <https://www.agilent.com/>

2024/02/23 Waldbronn, Germania

● **Cary 100/300 Service Training** Agilent Technologies Deutschland GmbH

Site de internet <https://www.agilent.com/>

2024/02/28 Waldbronn, Germania

● **Cary Eclipse Service Training** Agilent Technologies Deutschland GmbH

Site de internet <https://www.agilent.com/>

2024/04/15 București, România

● **Training remote General Compliance - Fundamentals** Agilent Technologies Deutschland GmbH

Site de internet <https://www.agilent.com/>

2024/04/24 Waldbronn, Germania

● **Agilent 5800 5900 ICP-OES Neophyte Support Training** Agilent Technologies Deutschland GmbH

Site de internet <https://www.agilent.com/>

2024/08/23 Waldbronn, Germania

● **Cary 3500 UV-Vis Service Training** Agilent Technologies Deutschland GmbH

Site de internet <https://www.agilent.com/>

EXPERIENȚA PROFESIONALĂ

● **Altium International SRL** București, România

Field Service Engineer

2023/11/09 – 2024/12/31

Key Responsibilities & Experience

- **Equipment Commissioning & Setup:** Execute on-site installation, calibration, and commissioning of complex analytical laboratory instrumentation.
- **Operator Training:** Deliver hands-on technical training and onboarding for client operators to ensure compliant, safe, and efficient system operation.
- **Diagnostics & Maintenance:** Provide comprehensive troubleshooting, diagnostics, preventive maintenance, and corrective service solutions.

- **Technical Support:** Render prompt, high-tier on-site and remote technical support to minimize instrument downtime and resolve operational issues.
- **Analytical Method Development:** Develop, optimize, and validate custom analytical methods across multiple techniques (ICP-OES, UV-Vis, FLR, HPLC, LC-MS, GC-MS) tailored to client specifications.

Core Analytical Expertise

- **Techniques & Instrumentation:** UV-Vis & Fluorescence Spectroscopy, HPLC, HPCE, LC-MS/MS, GC-MS, ICP-OES.

Software Proficiency

- OpenLab CDS, MassHunter, ChemStation, ICP Expert, SpectrAA, Cary WinUV & WinFLR, Cary UV Workstation.

Field Service Engineer

2025/04/30 – 2025/07/31

Teva - Sindan Pharma București, România

Analytical Researcher

2025/01/13 – 2025/05/25

HPLC & LC-MS Method Development: Developed, optimized, and validated robust HPLC analytical methods to support sample analysis and product testing.

Documentation & SOPs: Authored Standard Operating Procedures (SOPs), analytical method protocols, in compliance with quality and regulatory standards.

Impurity Profiling & Characterization: Identified, characterized, and quantified unknown impurities and degradation products using advanced chromatographic techniques.

Universitatea Babeș-Bolyai Cluj-Napoca, România

Academic Advisor – Higher Education

2022/07/18 – 2022/07/31

Course Organization & Coordination: Planned, structured, and managed educational courses and technical training modules.

Hands-On & Practical Instruction: Led and facilitated practical sessions, laboratory workshops, and interactive technical exercises.

COMPETENȚE

ECDL: Permisul European de Conducere a Computerului Complet | Cunoașterea bună a pachetului Microsoft Office (în special Excel, Word, PowerPoint) | OpenLab | Cary WinUV (Agilent Technologies) | Agilent HPLC Software | Chemstation | Agilent MassHunter | Cary UV Workstation | Cary WinFLR

COMPETENȚE LINGVISTICE

LIMBĂ(I) MATERNĂ(E): română

Altă limbă (Alte limbi):

engleză

Comprehensiune orală C1

Citit C1

Scris C1

Producerea de mesaje orale C1

Conversație C1

Niveluri: A1 și A2 Utilizator de bază B1 și B2 Utilizator independent C1 și C2 Utilizator experimentat

CONFERINȚE ȘI SEMINARE

2024/09/04 – 2024/09/07 Constanța

Romanian International Conference on Chemistry and Chemical Engineering (RICCCE)

Prezentarea lucrării „Nanotechnological solutions for Curcumin bioavailability enhancement” în colaborare cu Altium Romania și UNSTPB

Link <https://riccce.chimie.upb.ro/>

2024/09/20 – 2024/09/22 Braşov

International Conference New Trends on Sensing - Monitoring - Telediagnosis for Life Sciences

Link <https://healthfoodenviron.unitbv.ro/2024/>

2026/09/04 – 2026/09/10 Braşov, România

Summer School “Emerging Trends and Innovations in Life Sciences: From Molecular Detection to Societal Well-Being”

Presenter & Speaker | Summer School: *Emerging Trends and Innovations in Life Sciences: From Molecular Detection to Societal Well-Being*

- **Presentation Title:** “General Overview and Challenges in LC-MS Detection”
- **Affiliation:** Presented as a member of UNITA Global Health Project, highlighting analytical methodologies, detection bottlenecks, and troubleshooting strategies in LC-MS workflows.