



Curriculum vitae

Personal information

First names / Surname **IULIA ANDREEA PINZARU**
 Address Eftimie Murgu, Sq 2, Faculty of Pharmacy, Timișoara 300041
 E-mail iuliapinzaru@umft.ro
 Nationality Romanian

Occupational field **TOXICOLOGY, DRUG INDUSTRY, MANAGEMENT AND LEGISLATION -TEACHING AND RESEARCH**

Work experience

2024 - present	<p>Professor – FACULTY OF PHARMACY: TOXICOLOGY, DRUG INDUSTRY, MANAGEMENT, LEGISLATION AND DERMOPHARMACY</p> <p>„Victor Babeș” University of Medicine and Pharmacy of Timisoara, Eftimie Murgu Sq, nr. 2, 300041, Timisoara, Timis, Romania</p> <p>Education - University, Research</p>
2025 - present	<p>Director – Metagenomic Reference Center (MRC) – reference centre of UMFVBT, established through the Interreg VI-A Romania–Hungary project ROHU00049 (METAGEN)</p> <p>Metagenomic Reference Center, „Victor Babeș” University of Medicine and Pharmacy of Timisoara, Eftimie Murgu Sq, nr. 1, 300041, Timisoara, Timis, Romania</p> <p>Research – metagenomics and NGS sequencing (Oxford Nanopore), surveillance of antimicrobial resistance in clinical isolates and hospital wastewater</p>
2014 – 2024	<p>Associate Professor</p> <p>„Victor Babeș” University of Medicine and Pharmacy of Timisoara, Eftimie Murgu Sq, nr. 2, 300041, Timisoara, Timis, Romania</p> <p>Education - University, Research</p>
2023 – present	<p>Member of the National Register of Experts for the Certification of Research and Development Activities, based on the order of the MINISTER NO. 20242/13.02.2023. the field of intelligent specialization at the national level - Advanced functional materials</p> <p>National scientific evaluation</p>
2022 – present	<p>Part of the evaluation experts within the programs run by the European Commission. Expert ID: EX2022D708670, Health Domain</p> <p>International scientific evaluation</p>
2022 - 2025	<p>Member of the Scientific Committee of „Victor Babes” University of Medicine and Pharmacy of Timisoara</p> <p>Education - University, Research</p>
2023 - 2024	<p>Member of the Integrated Quality Management Department of the "Victor Babeș" University of Medicine and Pharmacy of Timișoara</p> <p>Education – University, Management</p>
2023 - present	<p>President of the Executive Council of the Student Entrepreneurial Society SASStart Health, 'Victor Babeș' University of Medicine and Pharmacy of Timișoara</p>
2022 - present	<p>Member of the Commission for Bioethics Research within the Faculty of Pharmacy, „Victor Babes” University of Medicine and Pharmacy of Timisoara</p> <p>Education - University, Research</p>
2021 - 2024	<p>President of the Commission for Evaluation and Assurance of Educational Quality within the Faculty of Pharmacy, „Victor Babes” University of Medicine and Pharmacy of Timisoara</p> <p>Education - University</p>
2016 - 2025	<p>President of the Commission for Acquisition within the Faculty of Pharmacy, „Victor Babes” University of Medicine and Pharmacy of Timisoara</p>

	Institutional development - University
2025 - present	Project Manager (coordinator – lead partner UMFVBT) – “A ROHU cross-border innovation to combat antibiotic resistance while ensuring health equity and system resilience”, Jems ID ROHU00049, acronym METAGEN, Interreg VI-A Romania–Hungary Programme, Programme Priority: P2 – Cooperation for a more social and cohesive partnership between Romania and Hungary, Specific Objective: Ensuring equal access to healthcare and fostering the resilience of health systems, including primary care, while promoting the transition from institutional to community-based care, Project value 2,266,696.33 euro (EU contribution 80%); partners: University of Szeged (SZTE) and OncoHelp Association; the Metagenomic Reference Center (MRC) was established within the project
2024 - 2026	Project Manager – 'Increasing the Degree of Innovation through Digitalization at the 'Victor Babeș' University of Medicine and Pharmacy in Timișoara,' acronym INO – DIGI – MED, code F-PNRR-GDU-1-2022-0067, funded through Romania's National Recovery and Resilience Plan (PNRR), Component 15 – Education, Financing Contract no. 14051/16.09.2022 under the Grant Scheme for the Digitalization of Universities, project value 17,601,876.65 lei, funding source PNRR.
2023 - 2025	Project manager - 2023-1-RO01-KA220-HED-000164767 Title: Partnership for innovation on the exchange of best practices and the design of joint collaborative initiatives at European level related to the awareness of the effects of contamination on human health - „Victor Babeș” University of Medicine and Pharmacy of Timișoara, Eftimie Murgu Sq, nr. 2, 300041, Timișoara, Timis, Romania, project value 250,000.00 euro – European Funds University – Education, Continuous professional training
2026	Member – Innovation Manager – CNFIS-FDI-2026-F-1285. Title: Inovație și antreprenoriat în sănătate / Innovation and entrepreneurship in health – 'Victor Babeș' University of Medicine and Pharmacy of Timișoara, project value 238,000.00 lei, funding source CNFIS – Institutional Development Fund.
2025	Member – Progress Plan Specialist – CNFIS-FDI-2025-F-0575. Title: Inovație și antreprenoriat în sănătate: dezvoltarea competențelor studenților pentru viitor / Innovation and entrepreneurship in health: developing students' skills for the future – 'Victor Babeș' University of Medicine and Pharmacy of Timișoara, project value 203,000.00 lei, funding source CNFIS – Institutional Development Fund.
2024	Member – Progress Plan Specialist – CNFIS-FDI-2024-F-0524. Title: Stimulating and Developing Student Entrepreneurial Skills in the Health Field through Innovative Methods and Translational Approaches Adapted to the Modern Market and Society's Needs – 'Victor Babeș' University of Medicine and Pharmacy of Timișoara, project value 257,250.00 lei, funding source CNFIS – Institutional Development Fund.
2023	Project manager - CNFIS-FDI-2023-F-0448 Title: Augmentarea multifuncționalității bazei de practică în domeniul produselor vegetale medicinale prin inovare interdisciplinară cu transpunere în sfera digitală/ Increasing the multifunctionality of the practice base in the field of medicinal plant products through interdisciplinary innovation with transposition in the digital sphere - „Victor Babeș” University of Medicine and Pharmacy of Timișoara, Eftimie Murgu Sq, nr. 2, 300041, Timișoara, Timis, Romania, project value 210,000.00 lei, funding source CNFIS – Institutional Development Fund.
2023	Member – Progress plan specialist CNFIS-FDI-2023-F-0450 Title: Dezvoltarea continuă a acțiunilor antreprenoriale studentesti prin și pentru studenți și absolvenți în cadrul UMFVBT / The continuous development of student entrepreneurial actions through and for students and graduates within the UMFVBT - „Victor Babeș” University of Medicine and Pharmacy of Timișoara, Eftimie Murgu Sq, nr. 2, 300041, Timișoara, Timis, Romania, project value 120,000.00 lei, funding source CNFIS – Institutional Development Fund.
2022 - 2024	Management team member, trainer team member ERASMUS 2022-1-RO01-KA220-HED-000088958 Title: Cooperation to Implement Innovative Methods for the Assessment of Medicinal Plants with central Roles in Pharmaceuticals, Agriculture and Nutrition „Victor Babeș” University of Medicine and Pharmacy of Timișoara, Eftimie Murgu Sq, nr. 2, 300041, Timișoara, Timis, Romania, project value 250,000.00 euro – European Funds
2020 - 2022	Member – scientific researcher PN-III-P1-1.1-TE-2019-2134, acronim BAPRONIO Title: Redarea către piața dermocosmetica a unei formulări topice moderne cu acid betulinic încorporat în proniozomi „Victor Babeș” University of Medicine and Pharmacy of Timișoara, Eftimie Murgu Sq, nr. 2, 300041, Timișoara, Timis, Romania, project value 431,840.00 lei UEFISCDI – PN III – national budget
2022	Member – Innovation Manager CNFIS-FDI-2022-0484 Title: Implementation of modern techniques for the continuous development of the practice base in the field of medicinal plant products within UMF „Victor Babeș” Timișoara - „Victor Babeș” University of Medicine and Pharmacy of Timișoara, Eftimie Murgu Sq, nr. 2, 300041, Timișoara, Timis, Romania, project value 263,000.00 lei, funding source CNFIS – Institutional Development Fund.
2022	Member – Innovation Manager CNFIS-FDI-2022-0474 Title: Consolidation and development of student entrepreneurial activities through students and PhD students within UMFVBT - „Victor Babeș” University of Medicine and Pharmacy of Timișoara, Eftimie Murgu Sq, nr. 2, 300041, Timișoara, Timis, Romania, project value 132,000.00 lei, funding source CNFIS – Institutional Development Fund.

2021	Member - CNFIS-FDI-2021-0498 Title: Dezvoltarea bazei de practica in domeniul plantelor medicinale a Universitatii de Medicina si Farmacie „Victor Babeș” Timisoara / Development of the practice base in the field of medicinal plants „Victor Babeș” University of Medicine and Pharmacy of Timisoara, Eftimie Murgu Sq, nr. 2, 300041, Timisoara, Timis, Romania, project value 274,000.00 lei, funding source CNFIS – Institutional Development Fund.
2020-2021	Member – 1EXP/1233/30.01.2020 Title: Lupeol as bioactive natural compound in the local treatment of wounds and inflammation from mild to severe pathologies: experimental evaluations and market pre-proposal., project value 476,680.00 lei, funding source UMFVBT -internal competition
2019-2021	Management team member, trainer team member ERASMUS project 2019-1-RO01-KA203-063499 Title: Cooperation on innovation and exchange of good practice in the hypoglycemia diet for people with diabetes „Victor Babeș” University of Medicine and Pharmacy of Timisoara, Eftimie Murgu Sq, nr. 2, 300041, Timisoara, Timis, Romania, project value 138,240.00 euro – European Funds
2019	Member - CNFIS-FDI-2019-0393 Title: Centru de dezvoltare profesională în domeniul produselor dermato-cosmetice pe bază de plante medicinale / Center for development of practical abilities in the field of dermo-cosmetic products based on medicinal plants „Victor Babeș” University of Medicine and Pharmacy of Timisoara, Eftimie Murgu Sq, nr. 2, 300041, Timisoara, Timis, Romania, project value 200,000.00 lei, funding source CNFIS – Institutional Development Fund.
2018	Member - CNFIS-FDI-2018-0159 Title: Centru de dezvoltare a abilităților practice în domeniul plantelor medicinale/ Center for development of practical abilities in the field of medicinal plants „Victor Babeș” University of Medicine and Pharmacy of Timisoara, Eftimie Murgu Sq, nr. 2, 300041, Timisoara, Timis, Romania, project value 240,000.00 lei, funding source CNFIS – Institutional Development Fund.
2017 - 2018	Member – Scientific researcher III-C5-PCFI-2017/2018-04, “Potențialul antiinflamator, chemopreventiv și antitumoral în cancerul mamar al unor extracte vegetale standardizate din <i>Melissa officinalis</i> L. in nanoformulări cu ciclodextrine” (Anti-inflammatory, chemopreventive and antitumoral potential in breast cancer of standardized plant extracts from <i>Melissa officinalis</i> L. in nanoformulations with cyclodextrins) – project value 135.000 lei – UMFVBT internal competition
2016 - 2019	Metabolomics Responsible Axe 1 a POC - POC-A1- A1.1.4 – E-2015 - Utilizarea modelelor nutrigenomice pentru personalizarea tratamentelor dietetice in obezitate (The use of nutrigenomic models for personalization of dietetic treatments in obesity) (NUTRIGEN) – project value 8.805.149,00 lei „Victor Babeș” University of Medicine and Pharmacy of Timisoara, Eftimie Murgu Sq, nr. 2, 300041, Timisoara, Timis, Romania
2016 - 2017	PIII – C4 – PCFI – 2016/2017 – 03 – ACRONIM : NANOCEL Evaluarea in vitro și in vivo a mecanismelor de moarte celulara indusă de nanoparticulele magnetice în interacțiunea cu celulele tumorale – project value 135.000 lei „Victor Babeș” University of Medicine and Pharmacy of Timisoara, Eftimie Murgu Sq, nr. 2, 300041, Timisoara, Timis, Romania
2016 - 2018	Member – Scientific researcher PN-III-P2-2.1-BG-2016-0354, Contract no 115/2016 – project value 450.000 lei Title - Formulări pe bază de betulină și nanoparticule de aur în combaterea procesului de îmbătrânire a pielii (Formulations based on betulin and gold nanoparticles to combat skin aging) „Victor Babeș” University of Medicine and Pharmacy of Timisoara, Eftimie Murgu Sq, nr. 2, 300041, Timisoara, Timis, Romania, project value 450,000.00 lei UEFISCDI – PN III – national budget
2016 - 2018	Member – Scientific researcher PN-III-P2-2.1-BG-2016- 0455, Contract no 122/2016 – project value 440.001 lei Title: Formulări de avangardă pe bază de eugenol nanocapsulat cu adresabilitate în medicina dentară (Avant-garde formulations based on eugenol nanocapsules addressable in dentistry) „Victor Babeș” University of Medicine and Pharmacy of Timisoara, Eftimie Murgu Sq, nr. 2, 300041, Timisoara, Timis, Romania, project value 440,001 lei – UMFVBT – internal competition
2012 - 2014	Chemist - Clinical Hospital CF Timisoara, 13-15 T. Vladimirescu, 300173, Timisoara, Timis, Romania Health - Hospital
2008 - 2011	Researcher - National Project CNCSIS PN II 62072/2008 Title: Hepatoprotective nanoparticles with high bioavailability (NanoHEPAT) „Politehnica” University of Timisoara, Victory Sq. 2, 300006, Timisoara, Timis, Romania, project value 326,750.00 lei – CNCSIS national budget
2007 - 2008	Project manager – National project CNCSIS: PN II168 / 2007 Title: DNA/RNA markers and inhibitors „Politehnica” University of Timisoara, Victory Sq. 2, 300006, Timisoara, Timis, Romania, project value 30,000.00 lei CNCSIS national budget
2007 - 2010	Researcher - National Project CNCSIS PN II 41070/2007 Title: Establishing protective action and the effects of stress and / or immunostimulatory of a new biologically active materials „Politehnica” University of Timisoara, Victory Sq. 2, 300006, Timisoara, Timis, Romania, project value 100,000.00 CNCSIS national budget
2005 - 2011	PhD Student „Politehnica” University of Timisoara, Victory Sq. 2, 300006, Timisoara, Timis, Romania

Main activities and responsibilities	<p>Didactic Activities:</p> <p>Courses in Pharmaceutical Industry and Pharmaceutical Biotechnology (5th year, Romanian and French sections), Toxicology, Cosmetovigilance, Scientific Research Methodology; Course holder in Master's programmes: Pharmaceutical Industry (Pharmacy) – Experimental Research Methodology, Modern Industrial Biotechnologies; Pharmacovigilance and Monitoring of Clinical Trials (Pharmacy) – Ethics of Scientific Research, Risk Communication and Relationship with Regulatory Authorities; Toxicology and Addiction Medicine (Medicine) – Food and Industrial Toxicology; coordination of students in scientific circles and workshops; preparation of students for participation in national and international scientific events; PhD supervisor, course holder at the Doctoral School of Pharmacy (from 2026–2027: Bioinformatics and Applied Genomics in Research; Experimental Models in Research), organization of workshops and scientific events for PhD students.</p> <p>Scientific Research Activities:</p> <p>(i) Design and coordination of experimental research – chemical/biochemical synthesis, toxicological analyses, preclinical in vitro and in vivo studies;</p> <p>(ii) Research results dissemination – scientific articles, research projects, institutional development, education, and training;</p> <p>(iii) Project management (international/national projects, public funding, European funding);</p> <p>(iv) Scientific coordination of metagenomics and microbial genomics activities within the Metagenomic Reference Center – setting research directions, study planning and interpretation of results on antimicrobial resistance (including multidrug-resistant <i>Klebsiella pneumoniae</i>) in clinical isolates and hospital wastewater, based on NGS sequencing (Oxford Nanopore) and bioinformatic analysis.</p> <p>Management Activities:</p> <p>Coordination and implementation of academic and research projects; management of multidisciplinary teams; strategic planning and monitoring of project activities; preparation of reports and documentation for national and international funding bodies; organization of academic, scientific, and entrepreneurial events; development of partnerships with universities, research institutes, and the private sector; leadership of the Metagenomic Reference Center (MRC) – organisation of activities, development of the infrastructure and of the collaboration network (Timișoara clinical hospitals, Aquatim, National Agency for Public Health – Republic of Moldova).</p>
Awards	<p>CNCSIS Awards – “Rewarding research results – Article Type</p> <p>Diploma of Excellence in Research – 3rd place – for national and international publishing activity in research - „Victor Babeș” University of Medicine and Pharmacy of Timisoara</p>
Education and training	<p>2023 Habilitation Certificate in the Field of Doctoral Studies – Pharmacy, OME 6850/21.12.2023 - Contributions to the deepen of the pharmacological potential of biologically active substances, of natural and synthetic origin, pure and/or functionalized with the aim of improving bioavailability. Presentation date 14.10.2023. Faculty of Pharmacy, „Victor Babeș” University of Medicine and Pharmacy from Timisoara</p> <p>2022 PhD Degree (series J, no. 0056282, Order 3324/02.03.2022), Pharmacy ISCED 8 Faculty of Pharmacy / „Victor Babeș” University of Medicine and Pharmacy of Timisoara - Augmentarea proprietăților antitumorale ale compușilor naturali prin funcționalizare cu obținere de nanostructuri cu acțiune țintită / Improvement of natural compounds antitumoral properties by functionalization as targeted nanostructures – presentation date 14.12.2021.</p> <p>2012 PhD Degree (series H, no. 0018814, Order 5743/12.09.2012), Chemical Engineering ISCED 8 Faculty of Industrial Chemistry and Environmental Engineering / Politehnica University of Timisoara / Sept 2012 - Flavonoide și bioconjugăți cu activitate biologică: obținere, analiză și biodisponibilizare prin încapsulare moleculară / Flavonoids and bioconjugates with biological activity: synthesis, analysis and enhanced bioavailability by molecular encapsulation – presentation date 29.11.2011. Ed. Politehnica, 2011, series 4 Chemical Engineering, nr 54, ISSN: 1842-8223, 254 pages</p> <p>2025 Biobank Education, UBC Office of Biobank Education and Research Biobank Certification Program – International Society for Biological and Environmental Repositories – March 2025</p> <p>2025 EARMA Boot Camp for Research managers – Academic Language Experts (European Association of Research Managers and Administrators) – Feb 2025</p> <p>2023 FELASA accredited course 056/16 9th Laboratory Animal Science European Union Functions Course (FELASA Certificate ID 056/16_230923)</p> <p>2023 Ethical and Regulatory Aspects of Clinical Research – National Institutes of Health, Department of Bioethics, sep – nov 2023</p>

- 2023** Certificate Internal Auditors in the field of quality-environment-health and occupational safety integrated management system, in accordance with the requirements of ISO 9001:2015 standards; ISO 14001:2015; ISO 45001:2018; ISO 19011:2018 (Certificate ASMI series no. 20202)
- 2022** Certificate – Methods validation and assurance of quality results in physicochemical analysis laboratories / December 2022 Certificate no: 21/AK-TAR/01/2023
- 2022** Certificate - Risk management according to SR EN ISO/IEC17025:2018 / November Certificate no: 1671/TAR-AK/12/2022
- 2022** Entrepreneurial competences – Graduation Certificate series R no 0002805, No. 55/23.03.2023
- 2022** Thresholds of toxicological concern – recent developments, Continuing Education course (CEC) 07, 18 September 2022 in line with the XVIth International Congress of Toxicology (ICT 2022)
- 2022** Manager of Quality Management Systems – Graduation Certificate series N no 0239204, No. 2395/31.05.2023
- 2021** Certificate – Internal Auditor course for testing and calibration laboratories according to SR EN ISO/IEC 17025:2018 and ISO 19011:2018 standards / December 2021 Certificate no: 1379/TAR-AK/12/2021
- 2021** Advanced course in Toxicology - Certificate of participation (Annual Meeting of the German Society for Experimental and Clinical Pharmacology and Toxicology (DGPT) in cooperation with the AGAH) – Kategorie A/01.03.2021
- 2018** Master's degree (Series MA No 0150495), Pharmacy ISCED 7
Master Programme – Medicamente de tip OTC, suplimente alimentare, cosmetice / OTC drugs, food supplements, cosmetics
Faculty of Pharmacy / „Victor Babeş” University of Medicine and Pharmacy of Timisoara / July 2018, No. 195/05.07.2019
- 2008** Certificate of graduation of psycho-pedagogical studies for the didactic profession (Series E, no 0035955; Series Ah, no 0013215)
Teacher Training Department / Politehnica University of Timisoara / April 2008, June 2022
- 2005** Engineer's Degree (Series E, no. 0020643), Chemistry, speciality Technology of Organic Substances ISCED 6
The main subjects studied: Synthetic drugs, Natural drugs, Organic and semisynthetic products, Inorganic Chemistry, Organic Chemistry, Analytical Chemistry, Reactions of Organic Compounds, Chromatographic Methods of Separation and Analysis, Chemistry of Macromolecular Compounds, Spectroscopic Methods of Structure Determination etc
Faculty of Industrial Chemistry and Environmental Engineering/Politehnica University of Timisoara/ June 2005, No. 57474/20.01.2006
- 1998** High school diploma (Series R, no. 0021288), real profile Mathematics-Physics ISCED 5 Calan Industrial Metallurgical School Group, July 1998

Personal skills and competences

Mother tongue

Other languages

Self evaluation

Romanian

English

French

Spanish

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user
C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user
B1	Independent user	B1	Independent user	B1	Independent user	B1	Independent user	B1	Independent user

Job-related skills	<ul style="list-style-type: none"> • Strong team spirit, motivation, creativity, and excellent communication skills developed through teaching activities in various undergraduate (Romanian, French), master's and doctoral, short-term, and postgraduate programs. • Active participation in national and international conferences, as well as involvement in research, educational, and institutional development projects in collaboration with international partners. • Creative, dynamic, disciplined, and perseverant, with the ability to communicate constructively in diverse social contexts, demonstrating openness to different perspectives and acknowledging both individual and collective responsibility. • Proven leadership and team coordination abilities, with strong organizational skills, focus, and strategic planning capabilities. • Skilled in implementing, coordinating, and achieving proposed objectives and performance indicators across various fields and activities. • Quick and effective decision-making under pressure, with a high sense of responsibility and engagement in all undertaken activities. • Excellent time management and conflict resolution skills, with a strong ability to self-motivate and motivate team members. • Highly efficient in teamwork, relationship building, and fostering a positive, adaptive, and empathetic work environment.
Computer skills	Experienced user of data analysis and processing programs (ChemDraw, GraphPad, Gen5™, BioRender, etc.); Proficient in Microsoft Office Suite (Word, Excel, PowerPoint, etc.)
Additional information	<p>Competencies: chemical/biochemical synthesis; in vitro, in vivo molecular techniques/preclinical studies; metagenomics and NGS sequencing (Oxford Nanopore); bioinformatics; antimicrobial resistance (AMR)</p> <p>h-index: 23 (Web of Science)</p> <p>Total impact factor (articles as main author) – app. 130</p> <p>Projects: 24 institutional development, education, research national/international projects</p> <p>Brainmap ID: U-1700-039D-1788</p> <p>ORCID ID: 0000-0003-2295-1926 (https://orcid.org/0000-0003-2295-1926)</p> <p>SCOPUS ID: 23111684600 (https://www.scopus.com/authid/detail.uri?authorId=23111684600)</p> <p>Invited reviewer for: Food and Chemical Toxicology; PLOS One; Molecules; Materials; International Journal of Nanomedicine; International Journal of Molecular Sciences; Journal of Herbal Medicine; Antioxidants; Pharmaceutics; Antibiotics; Plants; Biomimetics; Drug Design, Development and Therapy</p> <p>Guest Editor: Frontiers in Pharmacology, Toxics, Pharmaceutics</p> <p>Member of: European Association of Research Managers and Administrators (EARMA), European Society of Toxicology In Vitro (ESTIV), Federation of European Toxicologist & European Societies of Toxicology (EUROTOX)</p>
Driving licence	B

Timisoara,
October 2026