

PERSONAL INFORMATION

Aimée – Rodica CHIȘ

 2 Eftimie Murgu Square, 300041, Timișoara, Romania

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WORK EXPERIENCE

September 2024 - present

Lecturer

Department of Biochemistry, Faculty of Medicine, "Victor Babeș" University of Medicine and Pharmacy, Timișoara (Eftimie Murgu Square No. 2, 300041, Timișoara, <https://www.umft.ro/>)

- Research and teaching activities

September 2019 – September 2024

Assistant Professor

Department of Biochemistry, Faculty of Medicine, "Victor Babeș" University of Medicine and Pharmacy, Timișoara (Eftimie Murgu Square No. 2, 300041, Timișoara, <https://www.umft.ro/>)

Research and teaching activities

September 2016 – September 2019

Assistant Professor

Department of Pharmaceutical Botany, Faculty of Pharmacy, "Victor Babeș" University of Medicine and Pharmacy, Timișoara (2 Eftimie Murgu Square, 300041, Timișoara, <https://www.umft.ro/>)

- Research and teaching activities

September 2015 – September 2016

Associate Teaching Staff

Department of Pharmaceutical Botany, Faculty of Pharmacy, "Victor Babeș" University of Medicine and Pharmacy, Timișoara (Piața Eftimie Murgu Nr. 2, 300041, Timișoara, <https://www.umft.ro/>)

- Research and teaching activities

EDUCATION AND TRAINING

October 2015 – September 2021

Doctor in Medical Sciences

UMF "Victor Babeș" Doctoral School, Timișoara - Medicine

October 2010 – September 2015

Pharmacist

Faculty of Pharmacy, "Victor Babeș" University of Medicine and Pharmacy, Timișoara

February 2013 – June 2013

One-semester internship (IIIrd year, 2nd semester) - Erasmus program

Faculty of Pharmacy of Marseille, University of the Mediterranean Aix-Marseille II, Marseille, France

October 2013 – July 2015

Master's Degree in Economics

Management des Affaires en Contexte Europeen, Faculty of Economics and Business Administration, West University, Timișoara

October 2009 – July 2012

Economist

Accounting and Management Informatics, Faculty of Economics and Business Administration, West University, Timișoara

September 2005 – July 2009

Baccalaureate Diploma

Mathematics – Computer Science Department, "Constantin Diaconovici Loga" National College, Timișoara

PERSONAL COMPETENCE

Mother tongue(s) Romanian

Other known languages

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
French	C1	C1	C1	C1	C1
Hungarian	B2	B1	B2	B2	A2
German	B2	B2	B1	B1	B1

Communication skills

- Very good communication and argumentation skills, acquired through the experience during the internship in pharmacy and the teaching of practical works in both Romanian and French at UMFT "Victor Babeş", Timisoara.

Skills acquired at work

- Ability to use biochemistry/molecular biology techniques in the laboratory (PCR, qRT-PCR, electrophoresis, NGS).
- Analytical and synthetic capacity acquired after writing/evaluating articles.

Digital competence

- Microsoft Office™ - experienced user. Competence acquired after graduating from a high school with a mathematics – computer science profile.
- R

Other skills

- Adaptability to new situations, multicultural environments and the ability to collaborate within a collective. Very good communication skills in foreign languages, punctuality, patience, rigor and creativity.

Driving license

- Category B

ADDITIONAL INFORMATION

- Publications
- Presentations
- Projects
- Conferences
- Seminars
- Awards
- Affiliations
- References

Research projects

Member, as a pharmacist, in "A ROHU cross-border innovation to combat antibiotic resistance while ensuring health equity and system resilience", Project code: ROHU00049

Member, as a Researcher, in the project "Development of genomic research in Romania" (ROGEN), SMIS project code 324809

Member, as a short-term expert - workshops, in the "OncoBridge" project, SMIS Project Code 318057

Member in the project "Creation, Operationalization and Development of the National Competence Center in the Field of Cancer", PNRR-III-C9-2022 – I5

Member of the project "Development of the inter-disciplinary research and innovation capacity of UMFVBT in the field of state-of-the-art long reads sequencing technologies", Pluriseq@UMFVBT;

CNFIS-FDI-2024-F-0451

Member of the project "Integrated metagenomic bioinformatics analysis of Nanopore sequencing data generated using Q20+ chemistry", MetaGen@Tm 2.0; CNFIS-FDI-2023-F-0355

Member of the project "Zonal Reference Center for Metagenomic Analysis"; MetaGen@Tm, CNFIS-FDI-2022-0423

Member of the project "Zonal Reference Center for Next Generation Sequencing", NextGen@TM; CNFIS-FDI-2021-0484

Member in the project "Science of complexity in precision pharmacy: prediction of relevant drug interactions using complex network analysis", acronym HYPERION, project code PN-III-P2-2.1-PED-2019-2842, Financing Contract no. 554PED/2020

Courses/Workshops

Participation in the EMBL-EBI Introduction to RNA-seq and functional interpretation, 9-13.02.2026

Participation in the Practical Course on Pathogen Genomics, 23-25.10.2023

Participation in the EMBL-EBI Metagenomics bioinformatics course at MGnify, 9-13.10.2023

Participation in the FELASA 056/16 accredited course: 9th Laboratory Animal Science European Union Functions Course, September 11 - 22, 2023; FELASA Certificate ID: 056/16_230919_Aimée - Rodica Chis

Participation in the Advanced Genomic Techniques for Comprehensive Metagenomics Profiling of Novel and Extreme Environments Course; 24-26.04.2023

Participation in EMBL-EBI Course Computing skills for reproducible research: data carpentry, 24-27.01.2023

Articles published in extenso

Togănel RO, Coșeriu RL, Mare AD, Vintilă C, Sîrbu IO, **Chis AR**, Gîrbovan CE, Man A. Uncommon Pathogens in Common Presentations: Genetic Profiling and Virulence Determinants of *Vibrio alginolyticus* Isolated from a Case of External Otitis. *Infectious Disease Reports*. 2025 Sep 12; 17(5):114. <https://doi.org/10.3390/idr17050114>

Padure A, Talpos-Niculescu IC, Ciordas PD, Romanescu M, **Chis AR**, Rusu LC, Sîrbu IO. Impact of Chemotherapy Alone and in Combination with Immunotherapy on Oral Microbiota in Cancer Patients—A Pilot Study. *Microorganisms*. 2025 Jul 3; 13(7):1565. <https://doi.org/10.3390/microorganisms13071565>

Moatar AI, **Chis AR**, Nitusca D, Oancea C, Marian C, Sîrbu IO. HB-EGF plasma level contributes to the development of early risk prediction nomogram for severe COVID-19 cases. *Biomedicines*. 2024 Feb 5; 12(2):373. <https://doi.org/10.3390/biomedicines12020373>; IF=4,757

Milcu AI, Anghel FM, Romanescu M, **Chis AR**, Anghel A, Boruga O. Plasma miR-19b, miR-34a, and miR-146a expression in patients with type 2 diabetes mellitus and cataract: A pilot study. *Biomolecules and Biomedicine*. 2023 Nov 28.; <https://doi.org/10.17305/bb.2023.9933>; IF=3.4

Maries L, Moatar AI, Sala-Cirtog M, Sima L, Anghel A, Marian C, **Chis AR**, Sîrbu IO, Clinical Variables Influence the Ability of miR-101, miR-150, and miR-21 to Predict Ventricular Remodeling after ST-Elevation Myocardial Infarction, *Biomedicines* 2023, 11, 2738. <https://doi.org/10.3390/biomedicines11102738>; IF=4,757

Moatar AI, **Chis AR**, Romanescu M, Ciordas PD, Nitusca D, Marian C, Oancea C, Sîrbu IO, Plasma miR-195-5p predicts the severity of Covid-19 in hospitalized patients, *Scientific Reports* 2023; 13 (1), 13806; <https://doi.org/10.1038/s41598-023-40754-w>; IF=4.6

Maries L, Moatar AI, **Chis AR**, Marian C, Luca CT, Sîrbu IO, Jay D, Plasma hsa-miR-22-3p Might Serve as an Early Predictor of Ventricular Function Recovery after ST-Elevation Acute Myocardial Infarction, *Biomedicines*. 2023;11(8):2289;<https://doi.org/10.3390/biomedicines11082289>; IF=4,757

Capraru ID, Romanescu M, Anghel FM, Oancea C, Marian C, Sirbu IO, **Chiş AR**, Ciordas PD. Identification of Genomic Variants of SARS-CoV-2 Using Nanopore Sequencing. *Medicine*. 2022 Dec; 58(12):1841. <https://doi.org/10.3390/medicina58121841>; IF=2,948

Moatar AI, **Chiş AR**, Marian C, Sirbu IO. Gene Network Analysis of the Transcriptome Impact of SARS-CoV-2 Interacting MicroRNAs in COVID-19 Disease. *International journal of molecular sciences*. 2022 Jan; 23(16):9239. <https://doi.org/10.3390/ijms23169239>; IF:6,208

Chiş AR, Muntean PD, Moatar AI, Oancea C, Creţu OM, Sirbu IO. SARS-CoV-2 Identification Using Colorimetric Loop-Mediated Isothermal Amplification. *Timisoara Med*. 2022 Feb; 2022(1):0-. doi:10.35995/tmj20220101

Chiş AR, Moatar AI, Dijmarescu C, Rosca C, Vorovenci RJ, Krabbendam I, Dolga A, Bejinar C, Marian C, Sirbu IO and Simu M. Plasma hsa-mir-19b is a potential LevoDopa therapy marker. *Journal of Cellular and Molecular Medicine*. 2021; 25(18):8715-24; <https://doi.org/10.1111/jcmm.16827>; FI=5,310

Chiş AR, Moatar AI, Sirbu IO. A Disease in Search for a Biomarker: MicroRNAs in Parkinson's Disease. *Timisoara Medical Journal*. 2021, 2021(1):2. ISSN:1583-526X, doi: 10.35995/tmj20210102

Udrescu L, Bogdan P, **Chiş A**, Sirbu IO, Topîrceanu A, Văruţ RM, Udrescu M. Uncovering new drug properties in target- based drug-drug similarity networks. *Pharmaceutics*. 2020 Sep 16; 12(9):E879. doi:10.3390/pharmaceutics12090879. PMID: 32947845; IF: 6,321

Sirbu IO, **Chiş AR**, Moise, AR. Role of carotenoids and retinoids during heart development. *Biochemistry and Biophysics Act (BBA)-Molecular and Cell Biology of Lipids*. 2020. 1865 (11) 158636; <https://doi.org/10.1016/j.bbalip.2020.158636>; IF: 4,698

Antal DS, Ardelean F, **Chiş AR**, Ollivier E, Serban MC. Nanoscale delivery systems: actual and potential applications in the natural products industry, *Curr Pharm Des*. 2017; 23:2414–2421. <https://doi.org/10.2174/1381612823666170220155540>; IF: 2,757

Chapter in a book at the international publishing house

Corina Danciu, Suci Oana, Diana Simona Antal, Florina Ardelean, **Aimée Rodica Chiş**, Codruţa Şoica, Florina Andrica, Cristina Dehelean and Vlaicu Brigiţa, Chapter 12: New insights regarding the potential health benefits of isoflavones. In: *Flavonoids* (Justino J editor) - Intech, 2017, DOI: 10.5772/67896

Co-author of books

Andrei Anghel, Adriana Kaycsa, Liviu Tămaş, Alina Georgescu, Anca Marcu, Ramona Buzatu, Adrian Mihala, Maria Sala- Cîrtog, Alexandra Moatâr, **Aimee Chiş**, *Lucrări practice de biochimie farmaceutică*, 2019, Victor Babeş Publishing House, ISBN 978- 606-786-148-8.

Awards/Distinctions

Awarding research results - articles - UEFISCDI - 2023 - PRECISI_2023_Lista 1 Program 5.2, Subprogram 5.2.3 for the article Gene Network Analysis of the Transcriptome Impact of SARS-CoV-2 Interacting MicroRNAs in COVID-19 Disease, published in the yellow zone (FI=6,208)

Awarding of the results of the research articles - UEFISCDI - 18.11.2021 - PRECISI_2021_Lista 2 Articles 2020 – 2020/2021 for the article Role of carotenoids and retinoids during heart development, published in the red zone (FI=4,698)

Awarding research results - articles - UEFISCDI - 18.12.2020 - PRECISI_2020_Lista 5 partial 1 – 2019/2020 for the article Uncovering New Drug Properties in Target-Based Drug-Drug Similarity Networks, published in the red zone (FI=6,321)

Awarding research results - articles - UEFISCDI - 6.11.2016 - List 2 (2016 -2017) for the article Nanoscale delivery systems: actual and potential applications in the natural products industry, published in the yellow zone (FI=2,757)

Second Prize - Scientific Session of the Doctoral School of UMFT and the Academy of Medical Sciences - Poster Session: Age dependent expression of mmu-miR-195 in various mouse tissues

