

PERSONAL INFORMATION

Andreea Maria Cristea


✉ andreea.cristea@umft.ro

Address: Eftimie Murgu Square 2, Timisoara 300041, Romania

WORK EXPERIENCE

2024- Present

University Assistant

University Clinic of Toxicology, Pharmaceutical Industry, Management, Legislation and Dermatopharmacy

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

Address: Eftimie Murgu Square 2, Timisoara, Romania.

2023-2024

Pharmacist – Catena Pharmacy

2022-2025

Resident Pharmacist – Clinical Pharmacy

Pius Brînzeu" County Emergency Clinical Hospital Timisoara

Address: 156 Liviu Rebreanu Boulevard, Timisoara 300723

EDUCAȚIE ȘI FORMARE

2025-2026

Psychopedagogical Training Program – Level II, Postgraduate Program

West University of Timisoara, Faculty of Psychology and Educational Sciences – Department for Teacher Training, Specialization: Health

2025- 2026

Psychopedagogical Training Program – Level I, Postgraduate Studies

West University of Timisoara, Faculty of Psychology and Educational Sciences – Department for Teacher Training, Specialization: Pharmacy

2026

Specialist Pharmacist in Clinical Pharmacy

Ministry of Health, Romania

Specialist Pharmacist Certificate, issued on 23 January 2026

2023- Present

Doctoral Studies – Field of Pharmacy

"Victor Babeș" University of Medicine and Pharmacy Timisoara, Doctoral School of Medicine and Pharmacy

Address: Eftimie Murgu Square, No. 2, Timisoara, Romania

- 2023-2025 **Master's Degree – Cosmetology and Dermopharmacy**
 “Victor Babeș” University of Medicine and Pharmacy Timișoara, Faculty of Pharmacy
 Address: Eftimie Murgu Square 2, Timisoara, Romania.
- 2017-2022 **Bachelor's Degree – Pharmacy**
 “Victor Babeș” University of Medicine and Pharmacy Timișoara, Faculty of Pharmacy
 Address: Eftimie Murgu Square 2, Timisoara, Romania.
- 2013-2017 **High School Studies – Natural Sciences**
 Address: 37 Basarabilor Street, Slatina 230113

PERSONAL SKILLS

Mother tongue(s) Romanian

Other foreign language(s)

	UNDERSTANDING		LISTENING		READING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2
French	B1	B1	B1	B1	B1
German – OSD Goethe Certificate	B1	B1	B1	B1	B1

Levels: A1/2: Basic User – B1/2: Independent User – C1/2: Proficient User
 Common European Framework of Reference for Languages

Digital Skills

Microsoft Office / Microsoft Excel / Microsoft Word / Microsoft PowerPoint / GraphPad Prism / BioRender (software to create professional scientific figures)

Publications

1. **Cristea, A.M.**; Macaşoi, I.G.; Haj Ali, D.; Jupâneanț, R.A.; Coricovac, D.E.; Dehelean, C.A.; Tchiakpe-Antal, D.-S.; Dumitrașcu, V.; Jijie, A.-R.; Lăcătuș, M.; et al. *Eriobotrya japonica* (Loquat) Leaf Extract: An Integral In Vitro and In Ovo Approach to Antimelanoma Potential and Safety. *Int. J. Mol. Sci.* 2026, 27, 7676. <https://doi.org/10.3390/ijms27177676>
2. Cîmpeanu, I.-A.; Anton, A.; **Cristea, A.-M.**; Haj Ali, D.; Predescu, I.-A.; Marcovici, I.; Macaşoi, I.-G.; Vlad, D.; Oancea, C.; Moacă, E.-A. Nutraceutical Characterization, 3D Airway Tissue Metabolic Viability, and Cytotoxic Activity of Melissa officinalis Aqueous Leaf Extract in A549 Lung Adenocarcinoma Cells. *Medicina* 2026, 62, 1514. <https://doi.org/10.3390/medicina62081514>
3. Maghiar, L.; Iftode, A.; Neamțu, A.-A.; Maghiar, T.-A.; **Cristea, A.M.**; Dumitrescu, C.; Anton, A.; Kis, A.-M.; Iovin, V.-C.; Cristian, M.; et al. Dual-Function Antimicrobial Peptides as a Prospective Strategy Against Peri-Implantitis: Bridging Cutaneous Wound Healing and the Peri-Implant Soft-Tissue Seal. *Medicina* 2026, 62, 1463. <https://doi.org/10.3390/medicina62081463>
4. Maghiar, L.; Maghiar, P.B.; Pop, O.; Mitran, A.M.; Mureșan, M.M.; Neamțu, A.-A.; Iliescu, D.; Brebu, D.; Tent, P.A.; Bodog, F.D.; Iovin, V.-C.; Dumitrescu,

- C.; **Cristea, A.M.**; Anton, A.; Iftode, A.; Huț, F.; Dehelean, C.-A.; Hegheș, A. A Comprehensive Review of Antimicrobial Peptides and Smart Biomaterials in Chronic Wound Therapy: Overcoming Biofilms, Resistance, and Translational Barriers. *Int. J. Mol. Sci.* 2026, 27, 5955. <https://doi.org/10.3390/ijms27135955>
5. **Cristea, A.-M.**; Smultea, I.; Gidofalvi, D.; Bordean, D.M. Comparative Phytochemical and Densitometric Analyses of *Capsella bursa-pastoris* and *Trifolium pratense*: Implications for Natural Anticancer Therapies. *JEPT* 2026, 3, 3. 10.6425/032025jept003
6. Boța, M.; **Cristea, A.M.**; Vlaia, L.L.; Vlaia, V. The Impact of Injectable Biostimulatory Substances on Current Trends in Aesthetic Medicine: Focus on Poly-L-lactic Acid, Polycaprolactone, and Calcium Hydroxyapatite. *Medicine in Evolution* 2025, 31, 177. <https://doi.org/10.70921/medev.v31i2.1300>
7. Marin, M.A.; Chioran, D.; **Cristea, A.M.**; Draghici, A.-G.; Lazaro(i)u, M.; Banta, A.; Balica, N.C. Use of NSAIDs and Corticosteroids in ENT Disorders: Correlations with Disease Severity and Hospitalisation Outcomes. *Farmacia* 2025, 73, 1400. <https://doi.org/10.31925/farmacia.2025.6.7>
8. Neagu, M.C.; Boia, E.S.; Andrică, P.A.; **Cristea, A.M.**; Sasco, D.; Bob, F.; Smeu, A.; Anton, A.; Moacă, E.-A. Synthesis, Characterisation and a Preliminary In Vitro Evaluation of a Magnetic Nanoformulation on Kidney Vero Cell Line. *Farmacia* 2025, 73, 1493. <https://doi.org/10.31925/farmacia.2025.6.15>
9. **Cristea, A.M.**; Smeu, A.; Cîmpeanu, I.-A.; Iftode, A.; Liga, S.; Tchiakpe-Antal, D.-S.; Vlad, D.; Dehelean, C.A.; Iliescu, D. Biological Effects of Rosaceae Species in Skin Disorders—An Up-To-Date Overview. *Plants* 2025, 14, 1605. <https://doi.org/10.3390/plants14111605>
10. Șuşan, M.; **Cristea, A.M.**; Drăghici, G.A.; Nica, D.V.; Florescu, S.; Damian, C.G. Patterns of Meniscal Injuries in Adults Aged 35 and Older: A Retrospective Analysis of Surgical Cases. *Medicina* 2025, 61, 643. <https://doi.org/10.3390/medicina61040643>
11. Dumitrescu, C.; Neagu, M.; Smeu, A.; **Cristea, A.M.**; Boia, E.; Morariu Briciu, D.-M.; Vlaia, L. The Association Between Fisetin and Rutin Triggers an Enhanced Cytotoxicity in A431 and A375 Skin Cancer Cells. *Med. Evol.* 2025, 31(1), 97–105. <https://doi.org/10.70921/medev.v31i1.1277>
12. Neagu, M.; Morariu Briciu, D.-M.; **Cristea, A.**; Crisan, F.; Bolintineanu, S.L.; Anton, A. A Therapeutic Approach in Cardiac Patients to Induce Anesthesia—a Brief Review. *Medicine in Evolution* 2025, 31(1), 106–112. <https://doi.org/10.70921/medev.v31i1.1282>
13. Nistor, G.; Trandafirescu, C.; Prodea, A.; Milan, A.; **Cristea, A.**; Ghiulai, R.; Racoviceanu, R.; Mioc, A.; Mioc, M.; Ivan, V.; Șoica, C. Semisynthetic Derivatives of Pentacyclic Triterpenes Bearing Heterocyclic Moieties with Therapeutic Potential. *Molecules* 2022, 27(19), 6552. <https://doi.org/10.3390/molecules27196552>
14. Mioc, M.; Milan, A.; Malița, D.; Mioc, A.; Prodea, A.; Racoviceanu, R.; Ghiulai, R.; **Cristea, A.**; Căruntu, F.; Șoica, C. Recent Advances Regarding the Molecular Mechanisms of Triterpenic Acids: A Review (Part I). *Int. J. Mol. Sci.* 2022, 23(14), 7740. <https://doi.org/10.3390/ijms23147740>

Abstracts at National and International Conferences

- **Cristea, A.M.**; Haj Ali, D.; Predescu, I.-A.; Anton, A.; Dehelean, C.A.; Tchiakpe-Antal, D.-S. *In Vitro Evaluation of the Cytotoxic and Pro-Apoptotic Effects of an Aqueous Eriobotrya japonica Leaf Extract in A549 Lung Carcinoma Cells*. *Toxicol. Lett.* 2026, 423 (Suppl.), 112457, P18-88. <https://doi.org/10.1016/j.toxlet.2026.112457> (EUROTOX 2026)
- Predescu, I.-A.; Liga, S.; Haj Ali, D.; Dumitrel, Ș.-I.; **Cristea, A.-M.**; Brînzei, I.; Dehelean, C.-A.; Coricovac, D. Biological Effects of Puerarin-Loaded Proniosomes in MIA PaCa-2 Human Pancreatic Cells: A Preliminary *In Vitro and In Ovo* Assessment. *Toxicol. Lett.* 2026, 423 (Suppl.), 112482, P18-114. <https://doi.org/10.1016/j.toxlet.2026.112482> (EUROTOX 2026)
- Jijie, A.-R.; Moacă, E.A.; Haj Ali, D.; **Cristea, A.**; Anton, A.; Minda, I.D.; Dehelean, C.A. *Cytotoxic and Anti-Clonogenic Effects of a Taxus baccata Aril-Seed Ethanolic Extract in A549 Lung Cancer Cells: An In Vitro/In Ovo Assessment*. *Toxicol. Lett.* 2026, 423 (Suppl.), 112928, P35-12. <https://doi.org/10.1016/j.toxlet.2026.112928> (EUROTOX 2026)
- Moaca, E.A.; Haj Ali, D.; Marcovici, I.; Jijie, A.R.; Anton, A.; **Cristea, A.-M.**; Draghici, G.A.; Watz, C.G.; Dehelean, C.A.; Oancea, C.; Socoliuc, V. *Taxus baccata Aril-Mediated Green Synthesis of Fe3O4 Nanoparticles for Lung Cancer: Antiproliferative Effects, Respiratory Safety Assessment, and Hyperthermia Potential*. *Toxicol. Lett.* 2026, 423 (Suppl.), 112592, P22-28. <https://doi.org/10.1016/j.toxlet.2026.112592> (EUROTOX 2026)
- Draghici, G.A.; Ceobanu, A.L.; Nica, D.V.; Moaca, A.E.; **Cristea, A.M.**; Coricovac, D.E.; Lazar, D.; Dehelean, A. Eugenol-Induced Cytotoxic and Epigenotoxic Responses in Human Colorectal Cancer HT-29 Cells. *Toxicol. Lett.* 2026, 423 (Suppl.), 112340, P14-40. <https://doi.org/10.1016/j.toxlet.2026.112340> (EUROTOX 2026)
- **Cristea, A.-M.**; Drăghici, G.-A.; Coricovac, D.-E.; Anton, A.; Dehelean, C.A. *Development of a UHPLC-MS/MS Smart Analytical Workflow for Polyphenols Characterization in Experimental Red Wine*. Poster presented at the Summer School and International Symposium "Smart Sample Preparation: The Heart of Green Analytical, Food and Environmental Chemistry", CEEPUS Network RS-1816-03-2526, Blagoevgrad, Bulgaria, 2026. <https://pmf.swu.bg/images/1novini/Book%20of%20abstracts%20for%20publish%2003-09-2026.pdf>
- Drăghici, G.-A.; **Cristea, A.-M.**; Haj Ali, D.; Coricovac, D.-E.; Dehelean, C.A. *Differential Regulation of Angiogenesis-Related Genes by Melissa officinalis Extracts in the Chick Chorioallantoic Membrane Model*. Poster presented at the Summer School and International Symposium "Smart Sample Preparation: The Heart of Green Analytical, Food and Environmental Chemistry", CEEPUS Network RS-1816-03-2526, Blagoevgrad, Bulgaria, 2026. <https://pmf.swu.bg/images/1novini/Book%20of%20abstracts%20for%20publish%2003-09-2026.pdf>
- **Cristea, A.-M.**; Anton, A.; Semenescu, A.-D.; Dehelean, C.-A. *Comparative in vitro study on the effects of atorvastatin and fisetin on cardiomyocyte cells*. In Volumul Rezumatelor, Congresul Național de Farmacie 2025, Targu Mures, Romania, 24-26 Septembrie 2025; Available online: <https://congresfarmacie.com/wp-content/uploads/2025/09/Volum-Rezumat-Congres-National-de-Farmacie-2025.pdf>
- Marcovici, I.; Smeu, A.; **Cristea, A.**; Dumitrescu, C.; Dehelean, C.-A. *Rutin Oleate and Rutin Linoleate Exert a Stronger Anti-Tumor Activity Compared to Rutin in HepG2 Hepatocellular Carcinoma Cells*. In Volumul Rezumatelor, Congresul Național de Farmacie 2025, Targu Mures, Romania, 24-26 Septembrie 2025; Available online: <https://congresfarmacie.com/wp-content/uploads/2025/09/Volum-Rezumat-Congres-National-de-Farmacie-2025.pdf>

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- **Cristea, A.M.**; Smeu, A.; Drăghici, G.A.; Antal, D.S.; Dehelean, C.A. *In Vitro Study on the Cytotoxic Effects of Eriobotrya japonica Aqueous Leaf Extract on A-431 Skin Cancer Cells. Toxicol. Lett.* 2025, 411 (Suppl.), S429, P32-15. <https://doi.org/10.1016/j.toxlet.2025.07.989> (EUROTOX 2025)
- Draghici, G.A.; Nica, D.; **Cristea, A.**; Moaca, A.; Dehelean, C.; Negruțiu, M.-L.; Sinescu, C. *Molecular Detection of High-Risk HPV in Salivary Samples: A Pilot Study within the Cross-Border ORALERT 2025 Project. Toxicol. Lett.* 2025, 411 (Suppl.), S171–S172, P14-38. <https://doi.org/10.1016/j.toxlet.2025.07.415> (EUROTOX 2025)
- Draghici, G.A.; Nica, D.; **Cristea, A.**; Moaca, A.; Dehelean, C.; Negruțiu, M.-L.; Sinescu, C. *Molecular Detection of High-Risk HPV in Salivary Samples: A Pilot Study within the Cross-Border ORALERT 2025 Project. Toxicol. Lett.* 2025, 411 (Suppl.), S171–S172, P14-38. <https://doi.org/10.1016/j.toxlet.2025.07.415> (EUROTOX 2025)
- Dumitrel, Ș.-I., **Cristea, A.**, Smeu, A., Liga, S., & Dehelean, C.-A. (2025). Digoxin as a Potential Anticancer Agent in Melanoma Treatment. *Proceedings*, 127(1), 15. <https://doi.org/10.3390/proceedings2025127015>
- **A.M.Cristea**, G.A. Drăghici, D.S. Antal, C.A. Dehelean. *Anticancer Potential of Eriobotrya japonica Extracts: Targeting A375 Melanoma Cells with Bioactive Phytochemicals- Naunyn-Schmiedeberg's Arch Pharmacol* (2025).10th German Pharm-Tox Summit 2025. <https://doi.org/10.1007/s00210-025-03881-x>
- **Cristea, A.M.**; Moacă, E.A.; Nica, D.V.; Dehelean, C.A.; Drăghici, G.A. *Prenatal Exposure to Inorganic Arsenic through Maternal Diet: Epigenetic Mechanisms and Transgenerational Health Effects*. Presented at the **9th FESTEM Conference “Trace Elements and Minerals in Environment, Medicine and Biology”**, Timisoara, Romania, 28–31 May 2025
- Drăghici, G.A.; **Cristea, A.M.**; Moacă, E.A.; Nica, D.V.; Dehelean, C.A. *Cadmium-Induced Epigenetic Alterations: Mechanisms and Implications for Human Health*. Presented at the **9th FESTEM Conference “Trace Elements and Minerals in Environment, Medicine and Biology”**, Timisoara, Romania, 28–31 May 2025.
- **Cristea, A.M.**; Dehelean, C.A.; Tchiakpe-Antal, D.S. *Recent Data on the Antitumor Potential of Eriobotrya japonica Leaves. In Faculty of Pharmacy – Six Decades of Innovation and Progress: Proceedings of the 10th Congress of Pharmacists of the Republic of Moldova with International Participation*; Chișinău, Republic of Moldova, 22–23 November 2024; Imprint Star: Chisinau, 2024; pp. 365–367. ISBN 978-9975-3619-89. https://repository.usmf.md/bitstream/20.500.12710/30213/1/DATE_RECENTE_DESPRE_POTENTIALUL_ANTITUMORAL_AL_FRUNZELOR_DE_ERIOBOTRYA_JAPONICA.pdf?utm_source=chatgpt.com
- **60th Congress of the European Societies of Toxicology (EUROTOX 2026)**, Vienna, Austria, 13–16 September 2026.
- **Advanced User Training – SCIEX 6500+ QTRAP Mass Spectrometer**, ANTISEL RO SRL, 2026.
- **Summer School and International Symposium “Smart Sample Preparation: The Heart of Green Analytical, Food and Environmental Chemistry”**, CEEPUS Network RS-1816-03-2526, Blagoevgrad, Bulgaria, 15–18 July 2026.
- **National Congress of Pharmacy**, Targu Mures, Romania, 2025.
- **CosMedical National Conference**, Timisoara, Romania, 24–25 October 2025.

Courses and Scientific Events

- **59th Congress of the European Societies of Toxicology (EUROTOX 2025)**, Athens, Greece, 14–17 September 2025.
- **9th FESTEM Conference “Trace Elements and Minerals in Environment, Medicine and Biology”**, Timișoara, Romania, 28–31 May 2025.
- **10th German Pharm-Tox Summit**, Hannover, Germany, 26–28 March 2025.
- **Advanced Course in Pharmacology and Clinical Pharmacology**, Hannover, Germany, 26 March 2025.
- **Erasmus Internship at the University of Calabria (Italy) – “Blended Mobility of Students – Calabria”**, Project No. 2023-1-RO01-KA220-HED-000164767, Calabria, Italy, 30 September–4 October 2024.
- **10th Congress of Pharmacists from the Republic of Moldova with International Participation**, Chișinău, Republic of Moldova, 22–23 November 2024.
- **FELASA Workshop on Severity Classification and Reporting under EU Directive 2010/63/EU**, 15 December 2023.
- **Hands-on Workshop “3D Epidermal Model Workshop – Skin Irritation Test according to OECD TG 439”**, organized by MatTek, 13–15 December 2023.
- **Volunteer Activity in Academic Development – Therapeutic Chemistry Discipline, “Victor Babes” University of Medicine and Pharmacy Timișoara**, October 2021–July 2022.
- **DOCTOMED – Cod SMIS 350965**
Strengthening Doctoral and Postdoctoral Education in the Medical, Dental and Pharmaceutical Fields through Advanced Training, Research and Innovation within an Academic–Clinical Partnership
“Victor Babes” University of Medicine and Pharmacy Timișoara
Role: Participant – Doctoral Student

Research Projects