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Date of birth: 20/09/2000

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WORK EXPERIENCE

TEACHING ASSISTANT – "VICTOR BABEȘ" UNIVERSITY OF MEDICINE AND PHARMACY - 03/03/2025 - Present -
TIMIȘOARA, ROMANIA

EDUCATION AND TRAINING

30/09/2024 - PRESENT Timisoara

DOCTORAL STUDIES – PHARMACY "Victor Babeș" University of Medicine and Pharmacy

30/09/2024 - 02/09/2026 Timisoara, Romania

MASTER'S DEGREE – PHARMACOVIGILANCE AND CLINICAL TRIAL MONITORING "Victor Babeș" University of
Medicine and Pharmacy

Field of study: Education

29/09/2025 - 13/07/2026 Timisoara, Romania

CERTIFICATE OF COMPLETION OF THE PSYCHOPEDAGOGICAL TRAINING PROGRAMME – LEVELS I AND II
West University of Timișoara - Department of Teacher Training

31/08/2019 - 31/08/2024 Timisoara, Romania

PHARMACIST "Victor Babeș" University of Medicine and Pharmacy

Field of study: Education

2015 - 2019 Drobeta Turnu Severin, Romania

BACCALAUREATE DIPLOMA "Gheorghe Țițeica" National College

PUBLICATIONS

Full-text published articles

1. Dahma, R.; Moacă, E.-A.; **Predescu, I.-A.**; Dragomir, A.-C.; Iftode, O.-A.; Iurciuc, S.; Haj Ali, D.; Macașoi, I.; Sala-Cîrtog, M.; Crintea, I.-N.; et al. Preclinical Evaluation of Labetalol for Cutaneous Melanoma Drug Repurposing: Cytotoxic Activity in A375 Cells and Mitochondria-Associated Apoptotic Signaling. *Medicina* 2026, 62, 1802.
2. Raduț (Mihart), S.G.; Antal, A.G.; Nicolescu, C.; Socoliuc, V.; Ianoș, R.; **Predescu, I.-A.**; Haj Ali, D.; Dehelean, C.-A.; Sbârcea, L.; Moacă, E.-A. Oleic Acid Double-Coated Fe₃O₄-Based Magnetic Colloidal Suspension Induces Dose-Dependent Cytotoxicity and Mitochondrial Dysfunction in HepG2 Cells. *Farmacia* 2026, 74(4), 938-952.
3. Liga, S.; Vodă, R.; Lupa, L.; Pop, R.; Haj Ali, D.; **Predescu, I.-A.**; Dehelean, C.A.; Péter, F. Comparative In Vitro Response of HaCaT and A375 Melanoma Cells to Zinc Oxide Nanoparticles Synthesized Using Puerarin. *Journal of Xenobiotics* 2026, 16(4), 146.
4. Alsaeyd Ahmad, M.K.; Chioran, D.; Pitic, D.E.; Moacă, E.A.; Ali, D.H.; **Predescu, I.-A.**; Hegheș, A.; Talpoș-Niculescu, C.I.; Popovici, R.A.; Macașoi, I.; et al. Green-Synthesized Curcuma longa-Derived Silver Nanoparticles for Oral Biomaterial Applications: Physicochemical Characterization, Antibacterial Activity, Preliminary Cytocompatibility and In Ovo Biocompatibility Screening. *Journal of Functional Biomaterials* 2026, 17, 357.
5. Cîmpeanu, I.-A.; Anton, A.; Cristea, A.-M.; Haj Ali, D.; **Predescu, I.-A.***; Marcovici, I.; Macașoi, 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(8), 1514.
6. Jupâneant, R.A.; Anton, A.; Bojincă, M.; Haj Ali, D.; **Predescu, I.-A.**; Păcurar, A.T.; Vlad, D.; Dumitrașcu, V.; Iftode, A. In Vitro Insight into the Potential of Curcumin to Enhance the Sensitivity of A375 Human Melanoma Cells to Cisplatin. *Farmacia* 2026, 74(3), 742.
7. Pancu, D.F.; Tănase, A.; Voicu, M.; **Predescu, I.-A.**; Dumitrel, Ș.I.; Dumitrescu, C.; Crișan, F.; Smultea, I.; Sașco, D.; Iliescu, D. Exploring the Repurposing of Cardiotonic Glycosides Digoxin and Digitoxin on MIA PaCa-2 Pancreatic Cancer Cell Line as Alternative

- Treatments. *Farmacia* 2026, 74(2), 483.
8. Petroman, R.; **Predescu, I.-A.**; Țapoș, G.F.; Sașco, D.; Anton, A.; Luca, C.T.; Luca, S.; Crișan, S.; Negru, M.C.; Boru, C. In Vitro and In Ovo Assessment of Labetalol and Silibinin, Alone and in Combination, in H9c2(2-1) Cardiomyocyte Cells. *Farmacia* 2026, 74(1), 199.
 9. **Predescu, I.-A.**; Boru, C.; Smeu, A.; Coricovac, E.D.; Hoinoiu, B.; Tănase, A.; Dehelean, C.A. Curcumin Enhances Cisplatin-Induced Cytotoxicity in PANC-1 and MIA PaCa-2 Pancreatic Cancer Cells. *Farmacia* 2026, 74(1), 78.
 10. Liga, S.; Tâmaș, A.; Vodă, R.; Rusu, G.; Bîtcă, I.; Socoliuc, V.; Pop, R.; Ali, D.H.; **Predescu, I.-A.**; Dehelean, C.A.; et al. Puerarin-Loaded Proniosomal Gel: Formulation, Characterization, In Vitro Antimelanoma Cytotoxic Potential, and In Ovo Irritation Assessment. *Gels* 2026, 12(1), 72.
 11. Țapoș, G.-F.; Cîmpeanu, I.-A.; **Predescu, I.-A.**; Liga, S.; Păcurar, A.T.; Vlad, D.; Boru, C.; Luca, S.; Crișan, S.; Văcărescu, C.; et al. An Integrative Review of the Cardiovascular Disease Spectrum: Integrating Multi-Omics and Artificial Intelligence for Precision Cardiology. *Diseases* 2026, 14(1), 31.
 12. Sirbu (Ciortan), M.I.; **Predescu, I.-A.***; Horhat, D.I.; Mot, I.C.; Banța, A.M.; Orășan, A.; Morgovan, A.I.; Balica, N.C.; Talpoș, Ș. Evaluation of Quercetin, Myricetin and Their Combination as Flavonoids with Antitumour Potential in Head and Neck Cancer Models: An In Vitro and In Ovo Study. *Farmacia* 2025, 73(5), 1143.
 13. Cîmpeanu, I.-A.; Vlad, D.; Bota, M.; Vlaia, L.; Muntean, D.; **Predescu, I.-A.**; Iliescu, D. Evaluation of Antitumour, Antibacterial and Antioxidant Effects of Hydroalcoholic Extracts from Lemon Balm Leaves and Stems. *Farmacia* 2025, 73(4), 992-1006.
 14. Românu, R.; Iftode, O.-A.; Boța, M.; **Predescu, I.-A.**; Jijie, A.-R.; Vlaia, L.; Iliescu, D.; Tulcan, C. Assessment of the Antitumour Potential of Melissa officinalis Ethanolic Extract on A375 Melanoma Cells: In Vitro and In Ovo Approaches. *Farmacia* 2025, 73(3), 737-xx.
 15. Bîță, R.-G.; Brad, S.; **Predescu, I.-A.**; Milutinovici, R.-A.; Szuhaneck, C.; Popovici, R.; Dinu, S. Biological Investigation of the Safety Profile of Two Silicone Aligners - A Pivotal Step in the Progress of Orthodontic Treatments. *Romanian Journal of Oral Rehabilitation* 2025, 17(2), 342-352.
 16. Dan, C.; Almajân-Guta, B.; Jojić, A.-A.; Dumitrel, S.-I.; **Predescu, I.-A.**; Tchiakpeantal, D.-S.; Smeu, A.; Jijie, R.; Ioniță, I.; Dragomir, A.-C.; Ardelean, S.; Dărăban, A. Ethanolic Extract of Juniperus communis Exhibits Antimicrobial Activity and Selective Cytotoxicity in PANC-1 Cancer Cells Compared to HepaRG Hepatocytes. *Farmacia* 2025, 73(2), 362-xx.
 17. Manea, H.-C.; Olariu, I.; **Predescu, I.-A.**; Dumitrel, S.-I.; Kis, A.; Hegheș, A.; Szuhaneck, C.; Popovici, R.; Jojić, A.; Ruse, G.; Buzatu, R.; Dinu, Ș. Quercetin-Biosafety Screening for Future Applications in the Dental Field: An In Vitro and In Ovo Investigation. *Farmacia* 2025, 73(1), 167-177. <https://doi.org/10.31925/farmacia.2025.1.18>
 18. Ciortan, M.I.; Marin, M.A.; Chioran, D.; **Predescu, I.-A.***; Balica, N.C.; Liga, S.; Ravis, M.; Dinu, Ș.; Talpoș, Ș. A Current Perspective of Two of the Most Aggressive Head and Neck Cancers: Pharyngeal and Laryngeal. *Current Oncology* 2025, 32(10), 572.
 19. **Predescu, I.-A.**; Jijie, A.-R.; Pătrașcu, D.; Pasc, A.-L.-V.; Piroș, E.-L.; Trandafirescu, C.; Oancea, C.; Dehelean, C.A.; Moacă, E.-A. Unveiling the Complexities of Medications, Substance Abuse, and Plants for Recreational and Narcotic Purposes: An In-Depth Analysis. *Pharmacy* 2025, 13, 7.
 20. Marcovici, I.; Chioibas, R.; Zupko, I.; Pinzaru, I.; Moaca, A.; Ledeti, A.; Barbu-Tudoran, L.; Geamantan, A.; **Predescu, I.**; Dehelean, C.-A. Preclinical Pharmacotoxicological Screening of Biomimetic Melanin-Like Nanoparticles as a Potential Therapeutic Strategy for Cutaneous Melanoma. *Frontiers in Pharmacology* 2025, 16.
 21. Anton, A.; **Predescu, I.-A.**; Nuca, C.; Păcurar, M.; Dinu, Ș. The Use of Antibiotics in the Dental Field - The Phenomenon of Antibiotic Resistance. *Romanian Journal of Oral Rehabilitation* 2024, 16(4), 571-580.
 22. Roman, A.; Smeu, A.; Lascu, A.; Dehelean, C.A.; **Predescu, I.-A.**; Motoc, A.; Borza, C.; Draghici, G.A.; Trandafirescu, C.M.; Anton, A.; Ardelean, S. Quercetin Enhances 5-Fluorouracil-Driven Cytotoxicity Dose-Dependently in A375 Human Melanoma Cells. *Life* 2024, 14(12), 1685.
 23. Moise, G.; Jijie, A.-R.; Moacă, E.-A.; **Predescu, I.-A.**; Dehelean, C.-A.; Hegheș, A.; Vlad, D.C.; Popescu, R.; Vlad, C.S. Plants' Impact on the Human Brain—Exploring the Neuroprotective and Neurotoxic Potential of Plants. *Pharmaceuticals* 2024, 17(10), 1339.
 24. **Predescu, I.-A.**; Kiș, A.-M.; Pitic, D.-E.; Anton, A.; Dinu, Ș.; Păcurar, M.; Bud, E.; Popovici, R.-A.; Popa, M.; Olariu, I. Mouth Breathing Syndrom—An Interdisciplinary Approach. *Romanian Journal of Oral Rehabilitation* 2024, 16(4), 385-401.

PARTICIPATION IN NATIONAL AND INTERNATIONAL CONGRESSES

13/09/2026 - 16/09/2026

Poster

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)

13/09/2026 - 16/09/2026

Poster

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)

13/09/2026 - 16/09/2026

Poster

Dumitrel, Ș.-I.; **Predescu, I.-A.**; Moacă, E.-A.; Dehelean, C.A.; Navolan, D.B. *In Vitro* Study of Rutin as a Potential Anticancer Agent in Ovarian Cancer Treatment. *Toxicol. Lett.* 2026, 423 (Suppl.), 112456, P18-87. (EUROTOX 2026)

24/09/2025 - 26/09/2025

Poster

Predescu, I.-A.; Haj Ali, D.; Coricovac, D.; Dehelean, C.-A.; Pînzaru, I. *Immunofluorescence Analysis of Rutin's Effects on Melanoma Cells*. Poster presentation, ID 1501. *National Pharmacy Congress*, 20th edition, 24-26 September 2025, Târgu Mureș, Romania.

24/09/2025 - 26/09/2025

Poster

Haj Ali, D.; **Predescu, I.-A.**; Coricovac, D.; Dehelean, C.-A.; Iftode, A.; Dumitrel, Ș.-I.; Pînzaru, I. *Replacing Animals in Skin Cancer Research: The 3D Model Approach*. Poster presentation, ID 1495. *National Pharmacy Congress*, 20th edition, 24-26 September 2025, Târgu Mureș, Romania.

14/09/2025 - 17/09/2025

Poster

Predescu, I.-A.; Coricovac, D.E.; Haj Ali, D.; Dehelean, C.A.; Pînzaru, I.A. *Rutin as an Epithelial-to-Mesenchymal Transition (EMT) Modulator and Apoptosis Inducer in Melanoma: A Molecular Insight into Its Antimetastatic Effects*. Poster presentation. *59th Congress of the European Societies of Toxicology (EUROTOX)*, 14-17 September 2025, Athens, Greece.

14/09/2025 - 17/09/2025

Poster

Haj Ali, D.; Pînzaru, I.A.; **Predescu, I.-A.**; Dehelean, C.A.; Coricovac, D.E. *Investigation of Rutin's Effect on Murine Melanoma Cell Behavior and Response to Treatment via Modulation of Melanin Production*. Poster presentation. *59th Congress of the European Societies of Toxicology (EUROTOX)*, 14-17 September 2025, Athens, Greece.

07/07/2025 - 09/07/2025

Abstract

Predescu, I.-A.; Pînzaru, I. *Design and Evaluation of Advanced Nanocarriers for Targeted Delivery of Antitumor Agents: From Physicochemical Characterization to Preclinical Validation*. *International Conference on Interdisciplinary Approaches and Emerging Trends in Pharmaceutical Doctoral Research: Innovation and Integration*, 1st Edition, Timișoara, Romania, 2025. *Proceedings 2025*, 127, 2. doi:10.3390/proceedings2025127002.

CONFERENCES AND SEMINARS

10/12/2025 - 12/12/2025 Timisoara, Romania

NEW TRENDS IN PRECLINICAL RESEARCH- 3RD EDITION

SEVERITY, HANDLING, AND ANESTHESIA IN LABORATORY RODENTS

29/11/2024 - 29/11/2024 Timisoara, Romania

FELASA Workshop on Severity Classification and Reporting under EU Directive 2010/63/EU

15/04/2024 - 19/04/2024 Nitra, Slovakia

Participant Erasmus+ Programme KA220-HED, INNO-SAFE-LIFE, project no. 2023-1-R001

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

14/12/2023 Timisoara

Hands-on Workshop- NEW TRENDS IN PRECLINICAL RESEARCH

3D Epidermal Model Workshop - Skin Irritation Test according to OECD TG 439 organized by MatTek

08/12/2022 Timisoara

Online first aid training - MEDICARE

LANGUAGE SKILLS

Mother tongue: **ROMANIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	B2	B2	B2	B2	B2
FRENCH	B2	B2	B2	B2	B2

SKILLS

Microsoft PowerPoint Microsoft Excel Microsoft Office Microsoft Word GraphPad Prism BioRender:
Creating Professional Science Figures

PROJECTS

Doctoral research grant with scholarship

State-of-the-art applied experimental contributions in the field of nanosystems for the delivery of active compounds with antitumor properties. Acronym: NANO-NAMs-ONCO 2024

Project Member

CNFIS-FDI-2026-F-1237, entitled “Harnessing the Educational and Research Potential of the Medicinal Plant Training Facility of UMFVBT through Its Transformation into a Botanical Garden - A Pilot Project for Sustainable Institutional Development”, acronym TRANZ-PLANTMED.

VOLUNTEERING

10/2023 - 06/2024 Timisoara

VADA Programme at "Victor Babeş" University of Medicine and Pharmacy

- Department of Toxicology and Pharmaceutical Industry
- Scientific research
 - Teaching and tutoring activities in various seminars and practical laboratory sessions

