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TIMISOARA, ROMÂNIA

EDUCAȚIE ȘI FORMARE PROFESIONALĂ

30/09/2024 - ÎN CURS Timisoara

STUDII DOCTORALE- DOMENIUL FARMACIE Universitatea de Medicina si Farmacie "Victor Babes"

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

DIPLOMA DE MASTER- FARMACOVIGILENȚĂ ȘI MONITORIZAREA STUDIILOR CLINICE Universitatea de
Medicina si Farmacie "Victor Babes"

Domeniu de studiu Educație

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

CERTIFICAT DE ABSOLVIRE AL PROGRAMULUI DE FORMARE PSIHOPEDAGOGICĂ – NIVELUL I, II
Universitatea de Vest din Timișoara- Departamentul pentru Pregătirea Personalului Didactic

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

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PUBLICAȚII

Articole publicate in extenso

- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.

PARTICIPĂRI LA CONGRESE NAȚIONALE ȘI INTERNAȚIONALE

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. *Congresul Național de Farmacie*, ediția a XX-a, 24-26 septembrie 2025, Târgu Mureș, România.

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. *Congresul Național de Farmacie*, ediția a XX-a, 24-26 septembrie 2025, Târgu Mureș, România.

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.

CONFERINȚE ȘI SEMINARE

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

Training online PRIM AJUTOR- MEDICARE

COMPETENȚE LINGVISTICE

Limbă(i) maternă(e): **ROMÂNĂ**

Altă limbă (Alte limbi):

COMPREHENSIUNE			VORBIT		SCRIS
Comprehensiune orală		Citit	Producerea de mesaje orale	Conversație	
ENGLEZĂ	B2	B2	B2	B2	B2
FRANCEZĂ	B2	B2	B2	B2	B2

COMPETENȚE

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

PROIECTE

Grant doctoral cu bursă doctorală

Contribuții experimentale aplicative de ultimă generație în aria nanosistemelor transportatoare de principii active cu proprietăți antitumorale. Acronim NANO-NAMs-ONCO 2024

Membru proiect

CNFIS-FDI-2026-F-1237 cu titlul "Valorificarea potențialului educațional și de cercetare al bazei de practică de plante medicinale a UMFVBT prin tranziția la grădină botanică - proiect-pilot pentru o dezvoltare instituțională durabilă", acronim TRANZ-PLANTMED.

VOLUNTARIAT

10/2023 - 06/2024 Timisoara

Programul VADA din cadrul Universității de Medicină și Farmacie "Victor Babeș"

Disciplina de Toxicologie si Industria Medicamentului
-cercetare stiintifica
-activitate de tutoriat didactic la diferite seminarii si lucrari practice

