



Iasmina-Alexandra Predescu

Cetățenie: română Data nașterii: 20/09/2000

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Acasă: Timisoara (România)

EXPERIENȚA PROFESIONALĂ

Universitatea de Medicina si Farmacie "Victor Babes" Timișoara, Facultatea de Farmacie

Asistent universitar

[03/03/2025 – În curs]

EDUCAȚIE ȘI FORMARE PROFESIONALĂ

Studii doctorale- Domeniul Farmacie

Universitatea de Medicina si Farmacie "Victor Babes" [30/09/2024 – În curs]

Localitatea: Timisoara | Țara: România

Master- Farmacovigilență și monitorizarea studiilor clinice

Universitatea de Medicina si Farmacie "Victor Babes" [30/09/2024 – În curs]

Localitatea: Timisoara | Țara: România | Domeniul (domeniile) de studiu: Educație

Diploma de licenta- Farmacist

Universitatea de Medicina si Farmacie "Victor Babes" [09/2019 – 09/2024]

Localitatea: Timisoara | Țara: România | Domeniul (domeniile) de studiu: Educație

Diploma de Bacalaureat

Colegiul National "Gheorghe Titeica" [2015 – 2019]

Localitatea: Drobeta Turnu Severin | Țara: România

PUBLICAȚII

Articole publicate in extenso

- **Predescu IA**, Boru C, Smeu A, Coricovac E, Hoinoiu B, Tănase A, Dehelean CA. Curcumin Enhances Cisplatin-Induced Cytotoxicity in PANC-1 and MIA PaCa-2 Pancreatic Cancer Cells. *Farmacia*. 2026; 74(1):78–86.
- Petroman R, **Predescu IA**, Țapoș GF, Sașco D, Anton A, Luca CT, Luca S, Crișan S, Negru MC, 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):199–207
- Liga S, Tămaș A, Vodă R, Rusu G, Bîtcă I, Socoliuc V, Pop R, Ali DH, **Predescu IA**, Dehelean CA, et al. Puerarin-Loaded Proniosomal Gel: Formulation, Characterization, *In Vitro* Antimelanoma Cytotoxic Potential, and *In Ovo* Irritation Assessment. *Gels*. 2026; 12(1):72.
- Țapoș GF, Cîmpeanu IA, **Predescu IA**, Liga S, Păcurar AT, 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.
- Manea H.C, Olariu I, **Predescu IA**, Dumitrel SI, Kis A, Hegheș A, Szuhaneck C, Popovici R, Jojic 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.

- Marcovici I, Chioibas R, Zupko I, Pinzaru I, Moaca A, Ledeti A, Barbu-Tudoran L, Geamantan A, **Predescu I**, Dehelean CA. Preclinical pharmacotoxicological screening of biomimetic melanin-like nanoparticles as a potential therapeutic strategy for cutaneous melanoma. *Frontiers in Pharmacology*; 2025; 16.
- **Predescu IA**, Semenescu AD, Pătrașcu D. Green Synthesis of Silver Nanoparticles Using *Punica granatum* Peel Extract and Their Cytotoxic Effects on Human Melanoma RPMI-7951 Cells. *Journal of Experimental Pharmacology and Toxicology*. 2025; 2(2):1.
- Dan C, Almajăn-Guta B, Jojić AA, Dumitrel SI, **Predescu IA**, Tchiakpeantal DS, Smeu A, Jijie R, Ioniță I, Dragomir AC, 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.
- Românu R, Iftode OA, Boța M, **Predescu IA**, Jijie AR, 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.
- Sîrbu MI, **Predescu IA**, Horhat DI, Moț IC, Banța AM, Orășan A, et al. 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):1143–1152.
- Ciortan MI, Marin MA, Chioran D, **Predescu IA**, Balica NC, Liga S, Rivis 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.
- **Predescu IA**, Kiș AM, Pitic DE, Anton A, Dinu Ș, Păcurar M, Bud E, Popovici RA, Popa M, Olariu I. Mouth Breathing Syndrome—An Interdisciplinary Approach. *Romanian Journal of Oral Rehabilitation*. 2024; 16(4):385–401.
- Zakzak K, Semenescu AD, Moacă EA, **Predescu I**, Drăghici G, Vlaia L, Vlaia V, Borcan F, Dehelean CA. Comprehensive Biosafety Profile of Carbomer-Based Hydrogel Formulations Incorporating Phosphorus Derivatives. *Gels*. 2024; 10(7):477.
- Moise G, Jijie AR, Moacă EA, **Predescu IA**, Dehelean CA, Hegheș A, Vlad DC, Popescu R, Vlad CS. Plants' Impact on the Human Brain—Exploring the Neuroprotective and Neurotoxic Potential of Plants. *Pharmaceuticals*. 2024;17(10):1339.
- Roman A, Smeu A, Lascu A, Dehelean CA, **Predescu IA**, Motoc A, Borza C, Draghici GA, Trandafirescu CM, Anton A, et al. Quercetin Enhances 5-Fluorouracil-Driven Cytotoxicity Dose-Dependently in A375 Human Melanoma Cells. *Life*. 2024; 14(12):1685.
- Jojić AA, Semenescu AD, **Predescu I**, Drăchici G, Muntean D, Ardelean F, Ruse G, et al. *Juniperus galbulus*: Screening of Phytochemicals and Bioactivity Investigation of the Aqueous Extract. *Farmacia*. 2024; 72(4).

PARTICIPĂRI LA CONGRESE NAȚIONALE ȘI INTERNAȚIONALE

[24/09/2025 – 26/09/2025]

Poster- Immunofluorescence Analysis of Rutin's Effects on Melanoma Cells

Congresul Național de Farmacie 2025, Ediția a XX-a, Târgu Mureș

[24/09/2025 – 26/09/2025]

Poster- Replacing animals in skin cancer research: the 3D model approach

Congresul Național de Farmacie 2025, Ediția a XX-a, Târgu Mureș

[14/09/2025 – 17/09/2025]

Poster- Rutin as an Epithelial-to-Mesenchymal Transition (EMT) Modulator and Apoptosis Inducer in Melanoma: A Molecular Insight into Its Antimetastatic Effects

59th Congress of the European Societies of Toxicology (EUROTOX 2025), Atena

[14/09/2025 – 17/09/2025]

Poster- Investigation of Rutin's Effect on Murine Melanoma Cell Behavior and Response to treatment via Modulation of Melanin Production

59th Congress of the European Societies of Toxicology (EUROTOX 2025), Atena

[07/07/2025 – 09/07/2025]

Abstract- 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

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, Slovacia

Participant Erasmus+ Programme KA220-HED, INNO-SAFE-LIFE, project no. 2023-1-RO01 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):

engleză

COMPREHENSIUNE ORALĂ B2 CITIT B2 SCRIS B2

PRODUCEREA DE MESAJE ORALE B2 CONVERSAȚIE B2

franceză

COMPREHENSIUNE ORALĂ B2 CITIT B2 SCRIS B2

PRODUCEREA DE MESAJE ORALE B2 CONVERSAȚIE B2

Niveluri: A1 și A2 Utilizator de bază B1 și B2 Utilizator independent C1 și C2 Utilizator experimentat

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

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