



Iasmina-Alexandra Predescu

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📍 **Home:** Timisoara (Romania)

WORK EXPERIENCE

🏢 **"Victor Babeș" University of Medicine and Pharmacy Timișoara, Faculty of Pharmacy – Timisoara, Romania**

Assistant Professor

[03/03/2025 – Current]

EDUCATION AND TRAINING

Doctoral studies in Pharmacy

"Victor Babes" University of Medicine and Pharmacy, Faculty of Pharmacy [30/09/2024 – Current]

City: Timisoara | Country: Romania

Master's Degree in Pharmacovigilance and Clinical Trials Monitoring

"Victor Babes" University of Medicine and Pharmacy, Faculty of Pharmacy [30/09/2024 – Current]

City: Timisoara | Country: Romania

Bachelor of Pharmacy

"Victor Babes" University of Medicine and Pharmacy, Faculty of Pharmacy [09/2019 – 09/2024]

City: Timisoara | Country: Romania

Baccalaureate Diploma

Colegiul National "Gheorghe Titeica" [2015 – 2019]

City: Drobeta Turnu Severin | Country: Romania

PUBLICATIONS

Relevant Articles

- **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, Bîțcan 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, Dărbăban 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, 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.
- **Predescu IA**, Kiș AM, Pitic DE, Anton A, Dinu Ș, Păcurar M, Bud E, Popovici RA, Popa M, Olariu I. Mouth Breathing Syndrom—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).

NATIONAL AND INTERNATIONAL CONFERENCE PARTICIPATION

[24/09/2025 – 26/09/2025]

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

20th Edition of the National Congress of Pharmacy, 2025, Târgu Mureș, Romania

[24/09/2025 – 26/09/2025]

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

20th Edition of the National Congress of Pharmacy, 2025, Târgu Mureș, Romania

[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

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-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

Online first aid training- MEDICARE

LANGUAGE SKILLS

Mother tongue(s): Romanian

Other language(s):

English

LISTENING B2 READING B2 WRITING B2

SPOKEN PRODUCTION B2 SPOKEN INTERACTION B2

French

LISTENING B2 READING B2 WRITING B2

SPOKEN PRODUCTION B2 SPOKEN INTERACTION B2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

SKILLS

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

PROJECTS

Doctoral Research Grant with PhD Scholarship Cutting-Edge Applied Experimental Contributions in the Field of Nanocarrier Systems for Antitumor Active Compounds (NANO-NAMs-ONCO 2024).

VOLUNTEERING

[10/2023 – 06/2024] Timisoara

VADA Program, “Victor Babeş” University of Medicine and Pharmacy, Faculty of Pharmacy

Department of Toxicology and Pharmaceutical Industry

- Scientific research
- Teaching assistance in seminars and practical laboratory sessions