



Iasmina Marcovici

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Home: Romanilor Street, No. 4A, 307220 Giroc (Romania)

WORK EXPERIENCE

Assistant Professor

"Victor Babes" University of Medicine and Pharmacy Timisoara, Faculty of Pharmacy [2021 – Current]

City: Timisoara | Country: Romania

EDUCATION AND TRAINING

PhD in Medical Sciences

"Victor Babes" University of Medicine and Pharmacy Timisoara, Medicine-Pharmacy Doctoral School [2020 – Current]

Address: Eftimie Murgu Square, No. 2, Timisoara (Romania) | Website: <https://www.umft.ro/>

Teacher Training Module - Level II

Department of Teacher Training (D.P.P.D.), West University of Timisoara [01/07/2022]

Address: Vasile Pârvan Bd., No. 4, Timisoara (Romania) | Website: <https://dppd.uvt.ro/>

Teacher Training Module - Level I

Department of Teacher Training (D.P.P.D.), West University of Timisoara [17/02/2022]

Address: Vasile Pârvan Bd., No. 4, Timisoara (Romania) | Website: <https://dppd.uvt.ro/>

Masters Degree in OTC Drugs, Food Supplements and Cosmetics

"Victor Babes" University of Medicine and Pharmacy, Faculty of Pharmacy [2020 – 2022]

Address: Eftimie Murgu Square, No. 2, Timisoara (Romania) | Website: <https://www.umft.ro/>

Bachelor of Pharmacy

"Victor Babes" University of Medicine and Pharmacy, Faculty of Pharmacy [2015 – 2020]

Address: Eftimie Murgu Square, No. 2, Timisoara (Romania) | Website: <https://www.umft.ro/>

Baccalaureate Diploma

"Clisura Dunarii" Technological Highschool [2011 – 2015]

City: Moldova Noua | Country: Romania

PUBLICATIONS

Articles

1. Dehelean C, Alexa E, **Marcovici I**, et al. Synthesis, characterization, and in vitro-in ovo toxicological screening of silibinin fatty acids conjugates as prodrugs with potential biomedical applications. *Biomol Biomed.* 2024. doi: 10.17305/bb.2024.10600.
2. **Marcovici I**, Vlad D, Buzatu R, Popovici RA, Cosoroaba RM, Chioibas R, Geamantan A, Dehelean C. Rutin Linoleate Triggers Oxidative Stress-Mediated Cytoplasmic Vacuolation in Non-Small Cell Lung Cancer Cells. *Life.* 2024; 14(2):215. doi:10.3390/life14020215.

3. Dehelean CA, Coricovac D, Pinzaru I, **Marcovici I** et al. Rutin bioconjugates as potential nutraceutical prodrugs: An in vitro and in ovo toxicological screening. *Front Pharmacol.* 2022;13:1000608. doi:10.3389/fphar.2022.1000608.
4. **Marcovici I**, Coricovac D, Pinzaru I, et al. Melanin and Melanin-Functionalized Nanoparticles as Promising Tools in Cancer Research-A Review. *Cancers.* 2022;14(7):1838. doi:10.3390/cancers14071838.
5. Bratu LM, **Marcovici I**, Macasoi I, et al. IN VITRO INSIGHTS REGARDING THE ROLE OF MELANIN IN MELANOMA CELLS' RESPONSE TO BETULINIC ACID TREATMENT. *FARMACIA* **2022**, 70, 8-16. doi: 10.31925/farmacia.2022.1.2.
6. Dehelean CA, **Marcovici I**, Soica C, et al. Plant-Derived Anticancer Compounds as New Perspectives in Drug Discovery and Alternative Therapy. *Molecules.* 2021;26(4):1109. doi:10.3390/molecules26041109.
7. Pinzaru I, Chioibas R, **Marcovici I**, et al. Rutin Exerts Cytotoxic and Senescence-Inducing Properties in Human Melanoma Cells. *Toxics.* 2021;9(9):226. doi:10.3390/toxics9090226.
8. Pinzaru I, Tanase A, Enatescu V, Coricovac D, Bociort F, **Marcovici I**, et al. Proniosomal Gel for Topical Delivery of Rutin: Preparation, Physicochemical Characterization and In Vitro Toxicological Profile Using Reconstructed Human Epidermis Tissue and 2D Cells. *Antioxidants.* 2021; 10(1):85. doi: 10.3390/molecules26041109. doi: 10.3390/antiox10010085.
9. Pinzaru I, Sarau C, Coricovac D, **Marcovici I**, et al. Silver Nanocolloids Loaded with Betulinic Acid with Enhanced Antitumor Potential: Physicochemical Characterization and In Vitro Evaluation. *Nanomaterials.* 2021; 11(1):152. doi:10.3390/nano11010152.
10. Dehelean CA, Lazureanu V, Coricovac D, Mioc M, Oancea R, **Marcovici I**, et al. SARS-CoV-2: Repurposed Drugs and Novel Therapeutic Approaches – Insights into Chemical Structure-Biological Activity and Toxicological Screening. *J Clin Med.* 2020;9(7):E2084. doi: 10.3390/jcm9072084.

Conference Abstracts

1. **Iasmina Marcovici**, Iulia Pinzaru, Cristina Dehelean. BETULINIC ACID GAMMACYCLODEXTRIN SUPRAMOLECULAR SYSTEM – AN IN VITRO ASSESSMENT ON 2D LUNG CELLS AND 3D RESPIRATORY TISSUE MODEL (2024). 22nd International Congress ESTIV Abstract Book. Abstract #318, pag. 138.
2. **Iasmina Marcovici**, Iulia Pinzaru, Cristina Dehelean. Studiu in vitro al nanoparticulelor din melanină ca nouă opțiune pentru tratamentul melanomului cutanat (2023). *Farmacia azi: de la tradiție la interdisciplinaritate și inteligență artificială* (Congresul Național de Farmacie). ISBN 978-606-075-203-5. pag. 278.
3. **Iasmina Marcovici**, Cristina Dehelean, P03-27: The Good Side of Pigmentation in Cutaneous Melanoma – Investigation of Melanin as Anti-Cancer Agent, *Toxicology Letters*, Volume 384, Supplement 1, 2023, Page S96, ISSN 0378-4274, [https://doi.org/10.1016/S0378-4274\(23\)00491-5](https://doi.org/10.1016/S0378-4274(23)00491-5)
4. **Iasmina Marcovici**, Iulia Pinzaru, Dorina Coricovac, Ioana Macasoi, Cristina Dehelean. Melanin Nanoparticles as Novel Approach in Malignant Melanoma Treatment – An In Vitro Assessment. *Arch Pharmacol.* 2023;396(Suppl 1):1-76. P143.
5. Dorina Coricovac, Iulia Pinzaru, **Iasmina Marcovici**, et al. Betulinic acid formulated as proniosomal gel - a promising candidate for skin cancer management. *Toxicology Letters* 368S1 (2022) S84-S283, pp. S195.

PROJECTS

[2023]

Augmentarea multifuncționalității bazei de practică în domeniul produselor vegetale medicinale prin inovare interdisciplinară cu transpunere în sfera digitală (CNFIS-FDI-2023-F-0448) Project member

[2021 – 2022]

Delivery to the dermocosmetic market of a modern topical formulation with betulinic acid encapsulated in proniosomes – BAPRONIO (PN-III-P1-1.1-TE-2019-2134) Project member

[2021]

Dezvoltarea bazei de practică în domeniul plantelor medicinale a UMF Victor Babeș Timișoara (CNFIS-FDI-2021-0498) Project member

ONLINE COURSES

[02/10/2022]

Writing in the Sciences by Stanford University (Coursera)

VOLUNTEERING

[2018 – 2020] "Victor Babes" University of Medicine and Pharmacy Timisoara, Faculty of Pharmacy

VADA Program

[26/08/2019 – 06/09/2019] National Institute for Chemical-Pharmaceutical Research and Development, Bucharest

InterPractis+ Program

LANGUAGE SKILLS

Mother tongue(s): Romanian | Serbian

Other language(s):

English

LISTENING C1 READING C1 WRITING C1

SPOKEN PRODUCTION C1 SPOKEN INTERACTION C1

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

DIGITAL SKILLS

Microsoft Office / Microsoft Excel / Microsoft Word / Microsoft Powerpoint / Graphpad Prism / BioRender (software to create professional scientific figures) / ImageJ Fiji (Basic user) / Gen5 for Microplate Reading & Data Analysis Softwer

COMMUNICATION AND INTERPERSONAL SKILLS

The main communication and interpersonal skills are: effective oral and written communication skills, ability to assimilate new information and practical skills, ability of self-evaluation and self-improvement, team-work and individual-work skills

ORGANISATIONAL SKILLS

The main organisational skills are: meticulous organisation and time-management, goal setting ability, prioritization skills, decision making, detail- and deadline-oriented, flexibility and adaptability