



Iasmina Marcovici

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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/> | Field(s) of study: Pharmacy

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/> | Field(s) of study: Pharmacy

Baccalaureate Diploma

"Clisura Dunarii" Technological Highschool [2011 – 2015]

City: Moldova Noua | Country: Romania

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/>

RESEARCH ACTIVITY

PUBLICATIONS

Relevant Articles

1. **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.
2. Racea R-C, Macasoi I-G, Dinu S, Pinzaru I, **Marcovici I**, Dehelean C, Rusu L-C, Chioran D, Ravis M, Buzatu R. Eugenol: In Vitro and In Ovo Assessment to Explore Cytotoxic Effects on Osteosarcoma and Oropharyngeal Cancer Cells. *Plants*. 2023; 12(20):3549.
3. Ionita I, Malita D, Dehelean C, Olteanu E, **Marcovici I**, et al. Experimental Models for Rare Melanoma Research-The Niche That Needs to Be Addressed. *Bioengineering (Basel)*. 2023;10(6):673.
4. Gag O, Dinu Ş, Manea H, **Marcovici I**, et al. UVA/UVB Irradiation Exerts a Distinct Phototoxic Effect on Human Keratinocytes Compared to Human Malignant Melanoma Cells. *Life (Basel)*. 2023;13(5):1144.
5. 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.
6. **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.
7. Bociort F, Macasoi IG, **Marcovici I**, Motoc A, Grosu C, Pinzaru I, Petean C, Avram S, Dehelean CA. Investigation of Lupeol as Anti-Melanoma Agent: An In Vitro-In Ovo Perspective. *Current Oncology*. 2021; 28(6):5054-5066.
8. Blidisel A, **Marcovici I**, Coricovac D, Hut F, Dehelean CA, Cretu OM. Experimental Models of Hepatocellular Carcinoma A Preclinical Perspective. *Cancers*. 2021;13(15):3651.
9. Simu S, **Marcovici I**, Dobrescu A, et al. Insights into the Behavior of Triple-Negative MDA-MB-231 Breast Carcinoma Cells Following the Treatment with 17 β -Ethinylestradiol and Levonorgestrel. *Molecules*. 2021;26(9):2776.
10. 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.
11. 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.
12. 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.
13. 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.

Conference Abstracts

1. **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.
2. **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)

3. **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.
4. 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)

[12/2023 – Current]

Diploma in Pharmacovigilance and Medical Writing (Clinskill)

VOLUNTEERING

[2018 – 2020] "Victor Babeș" 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 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

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

Communication and interpersonal skills good communication skills, good oral and written presentation skills, ability to assimilate new information and practical skills, ability of self-evaluation and self-improvement, team-work and individual-work skills

ORGANISATIONAL SKILLS

Organisational skills meticulous organisation and time-management, goal setting ability, prioritization skills, decision making, detail- and deadline-oriented, flexibility and adaptability

DRIVING LICENCE

Driving Licence: B