

PERSONAL INFORMATION

Stefania-Irina Dumitrel



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PROFESSIONAL EXPERIENCE

2024-present **Assistant Professor**
 University Clinic of Toxicology, Pharmaceutical Industry, Management, Legislation, and Dermopharmacy
 Victor Babeș University of Medicine and Pharmacy, Timișoara, Faculty of Pharmacy
 Address: 2 Eftimie Murgu Square, Timișoara 300041 (Romania)

EDUCATION AND TRAINING

2024-present **Doctoral studies - Field of Medicine**
 Victor Babeș University of Medicine and Pharmacy, Timișoara, Doctoral School of Medicine and Pharmacy
 Address: 2 Eftimie Murgu Square, Timișoara 300041 (Romania)

2024-present **Master's Degree – PHARMACOVIGILANCE AND CLINICAL TRIAL MONITORING**
 Victor Babeș University of Medicine and Pharmacy, Timișoara, Faculty of Pharmacy
 Address: 2 Eftimie Murgu Square, Timișoara 300041 (Romania)

2019-2024 **Bachelor's degree**
 Victor Babeș University of Medicine and Pharmacy, Timișoara, Faculty of Pharmacy
 Address: 2 Eftimie Murgu Square, Timișoara 300041 (Romania)

2015-2019 **Baccalaureate Diploma**
 Graduate of Ion Minulescu National College, Slatina
 Address: 37 Basarabilor Street, Slatina 230113

PERSONAL SKILLS

Native language(s) Romanian

Other foreign languages known

Limba engleză

COMPREHENSION		SPEAKING		WRITING
LISTENING	READING	Participation in conversation	Oral speech	
B2	B2	B2	B2	B2

Computer skills

Microsoft Office / Microsoft Excel / Microsoft Word / Microsoft PowerPoint / Graphpad Prism / BioRender (software to create professional scientific figures) /

Publications

1. **Ștefania-Irina Dumitrel**, Anamaria Matichescu, Ștefania Dinu, Roxana Buzatu, Ramona Popovici, Dorin Cristian Dinu, Dana Cristina Bratu. New Insights Regarding the Use of Relevant Synthetic Compounds in Dentistry. *Molecules*, 2024, 29(16), 3802.
2. Florina Borozan, Ioan Sas, Alexandru Blidisel, Diana Haj Ali, Aida Pasc, Cristina Dumitrescu, Daliana Minda, Cristina Trandafirescu, **Ștefania Dumitrel**, Simona Ardelean. IN VITRO ASSESSMENT OF 17 β -ETHINYLESTRADIOL AND LEVONORGESTREL ON BREAST CANCER MCF-7 AND MDA-MB 231 CELL LINES. *FARMACIA*, 2024, 72, 5.
3. Ștefania Dinu, **Ștefania-Irina Dumitrel**, Roxana Buzatu, Dorin Cristian Dinu, Ramona Popovici, Camelia Szuhaneck, Anamaria Matichescu. New Perspectives about Relevant Natural Compounds for Current Dentistry Research. *Life*, 2024, 14(8), 951.
4. Andreea Smeu, Iasmina Marcovici, Cristina Adriana Dehelean, **Ștefania-Irina Dumitrel**, Claudia Borza, Rodica Lighezan. Flavonoids and Flavonoid-Based Nanopharmaceuticals as Promising Therapeutic Strategies for Colorectal Cancer—An Updated Literature Review. *Pharmaceuticals*, 2025, 18(2), 231.
5. Diana Haj Ali, **Ștefania-Irina Dumitrel**, Cristina Trandafirescu, Horatiu Cristian Manea, Ana Lascu, Ștefania Dinu, Ioana Macasoi, Roxana Buzatu, Camelia Szuhaneck, Cristina Dumitrescu, Iustin Olariu. IN VITRO AND IN OVO COMPARATIVE TOXICOLOGICAL ASSESSMENT OF SELF-ASSEMBLING PEPTIDE-BASED DENTAL REPAIR AGENTS. *FARMACIA*, 2024, 72, 6.
6. Horațiu Cristian Manea, Iustin Olariu, Iasmina-Alexandra Predescu, **Ștefania-Irina Dumitrel**, Andreea Kis, Alina Hegheș, Camelia Szuhaneck, Ramona Popovici, Alina Jojic, Gratiana Ruse, Roxana Buzatu, Ștefania Dinu. QUERCETIN-BIOSAFETY SCREENING FOR FUTURE APPLICATIONS IN THE DENTAL FIELD: AN IN VITRO AND IN OVO INVESTIGATION. *FARMACIA*, 2025, 73, 1.
7. Dahma, R.; Motoc, M.; **Dumitrel, S.-I.**; Haj-Ali, D.; Morariu-Briciu, D.-M.; Bonte, D. Digoxin Exhibits Anticancer Activity in A375 and RPMI-7951 Cutaneous Melanoma Cells: A Drug Repurposing Approach. *Farmacia* 2025, 73, 1306–1316.
8. Dan, C.; Almajan-Guta, B.; Jojic, A.A.; **Dumitrel, S.-I.**; Predescu, I.-A.; Tchiakpe-Antal, D.-S.; Smeu, A.; Jijie, R.; Ionita, I.; Dragomir, A.-C. Ethanolic

Extract of *Juniperus Communis* Exhibits Antimicrobial Activity and Selective Cytotoxicity in PANC-1 Cancer Cells Compared to HepaRG Hepatocytes. *Farmacia* **2025**, 73, 362–375.

9. Dehelean, C.A.; Boru, C.; Macasoi, I.G.; **Dumitrel, S.-I.**; Trandafirescu, C.; Ersilia, A. Obtaining and Characterization of Nutraceuticals Based on Linoleic Acid Derivatives Obtained by Green Synthesis and Their Valorization in the Food Industry. *Nutrients* **2025**, 17, 2416.
10. Nica, D.F.; Cosoroabă, R.M.; Dinu, Ș.; **Dumitrel, Ș.-I.**; Chioran, D.; Tănase, A.; Popa, M. Exploring Thymol's Cytocompatibility and Potential Selective Cytotoxicity in Human Primary Gingival Fibroblasts and Pharyngeal Carcinoma Cells: An In Vitro and In Ovo Investigation. *Dent. J.* 2026, 14, 105.
11. Dinu, Ș.; **Dumitrel, Ș.-I.**; Moldoveanu, A.; Chioran, D.; Popa, M.; Milutinovici, R. In Vitro Assessment of Eugenol's Impact on Human Keratinocyte (HaCaT) Cell Line. *Medicine in Evolution* 2025, 31, 2.

Abstracte la conferințe naționale și internaționale

- 10th German Pharm-Tox Summit 2025. **S.-I. Dumitrel**, I.-A. Predescu, A. Smeu, A. Semenescu, C.A. Dehelean. In Vitro Investigation of the Curcumin-Quercetin Combinatorial Treatment as a Promising Natural Alternative for Cutaneous Melanoma Therapy - Naunyn-Schmiedeberg's Arch Pharmacol (2025).
- **Dumitrel, Ș.-I.**, Cristea, A., Smeu, A., Liga, S., & Dehelean, C.-A. (2025). Digoxin as a Potential Anticancer Agent in Melanoma Treatment. *Proceedings*, 127(1), 15.
- Replacing animals in skin cancer research: the 3d model approach. In Volumul Rezumatelor, Congresul Național de Farmacie 2025, Târgu Mureș, România, Septembrie 2025.
- **Erasmus+ Programme KA220-HED, INNO-SAFE-LIFE, project no. 2023-1-RO01**, Nitra, Slovakia, 15/04/2024 – 19/04/2024
- **Advanced Course in Pharmacology and Clinical Pharmacology** 26 March 2025, Hannover
- **10th German Pharm-Tox Summit** 26-28 March 2025, Hannover
- **59th Congress** of the European Societies of Toxicology (EUROTOX 2025), Atena
- International Conference on Interdisciplinary Approaches and Emerging Trends in Pharmaceutical Doctoral Research: Innovation and Integration, Timisoara, Romania, 7–9 July 2025.

