

Cristina-Daniela Dumitrescu (Grosu)

PERSONAL INFORMATION

cristina.grosu@umft.ro

WORK EXPERIENCE

- 2026–Prezent **Senior Lecturer**
2021–2026 **Assistant Lecturer**
Department I, University Clinic Toxicology, Drug Industry, Management, Legislation and Dermatopharmacy
Faculty of Pharmacy, University of Medicine and Pharmacy "Victor Babeș", Timișoara (Romania)
- 2024–Prezent **Specialist Pharmacist**
General Pharmacy
County Emergency Clinical Hospital "Pius Brînzeu" Timișoara (Romania)
- 2020–2023 **Resident Pharmacist**
Specialty: General Pharmacy
County Emergency Clinical Hospital "Pius Brînzeu" Timișoara (Romania)
- 1997–2020 **Pharmacist**
OLIMPIAFARM, Timișoara (Romania)
SIEPCOFAR

EDUCATION AND TRAINING

- 2021–2026 **PhD**
Pharmacy
Faculty of Pharmacy, University of Medicine and Pharmacy "Victor Babeș", Timișoara (Romania)
- 1992–1997 **Bachelor's Degree in Pharmacy – Pharmacist**
Faculty of Pharmacy, University of Medicine and Pharmacy "Victor Babeș", Timișoara (Romania)
- 1989–1992 **Baccalaureate Diploma**
Liceul Sanitar, Timișoara (România)

PERSONAL SKILLS

Mother tongue(s) Romanian

Foreign languages

UNDERSTANDING		VORBIRE		WRITING
Ascultare	Citire	Spoken interaction	Spoken production	

franceză	A2	A2	A2	A2	A2
engleză	B1	B1	B1	B1	B1

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

Communication skills Communication and teamwork skills acquired during practical training placements. Interdisciplinary collaboration skills developed through scientific research projects.

Organisational skills Organisational and leadership skills developed throughout professional experience.

Digital skills	SELF-ASSESSMENT				
	Information processing	Communication	Content creation	Safety	Problem solving
	Experienced user	Experienced user	Experienced user	Experienced user	Experienced user

Excellent command of Microsoft Office™ tools (Word, Excel, PowerPoint, Access)

Driving licence B

B

LIST OF PUBLICATIONS

I. Full-text articles published in ISI Web of Knowledge-indexed journals

Maghiar L, Iftode A, Maghiar T-A, Chioibas R, Grecu T, Neamțu C, Ioan SM, Dehelean C-A, **Dumitrescu C**, Neamțu A-A. Occupational Contact Dermatitis in the Post-COVID Era: From Barrier Dysfunction and Microbiome Dysbiosis to Prevention and Precision Management. *Journal of Clinical Medicine*. 2026; 15(16):6353. <https://doi.org/10.3390/jcm15166353>

Maghiar L, Iftode A, Neamțu A-A, Maghiar T-A, Chioibas R, Haj-Ali D, **Dumitrescu C**, Solomon C-N, Iovin V-C, Tica O, et al. Pregnancy-Associated Melanoma: A Molecular Reappraisal of the Hormonal Hypothesis, Illustrated by a Postpartum-Persistent Melanoma In Situ. *Diagnostics*. 2026; 16(15):2485. <https://doi.org/10.3390/diagnostics16152485>

Neamțu A-A, Anton A, Maghiar L, Iftode A, Căpraru A-M, **Dumitrescu C**, Kis A-M, Popovici RA, Dehelean C-A, Maghiar T-A. The EduNutriCRC Questionnaire: A Pilot Knowledge–Attitudes–Practices Study on Nutritional Prevention of Colorectal Cancer in Romanian Adults. *Nutrients*. 2026; 18(14):2293. <https://doi.org/10.3390/nu18142293>

Maghiar L, Maghiar PB, Pop O, Mitran AM, Muresan MM, Neamțu A-A, Iliescu D, Brebu D, Tent PA, Bodog FD, Iovin V-C, **Dumitrescu C**, et al. A Comprehensive Review of Antimicrobial Peptides and Smart Biomaterials in Chronic Wound Therapy: Overcoming Biofilms, Resistance, and Translational Barriers. *International Journal of Molecular Sciences*. 2026; 27(13):5955. <https://doi.org/10.3390/ijms27135955>

Totorean A-D, Radulescu OC, Ioana A-M, Maghiar L, Nita A, Neamțu A-A, Amaricai E, Onofrei RR, Suciu O, **Dumitrescu C**, et al. Footwear Heel Height and Gait Biomechanics in Healthy Young Women: A Within-Subject Analysis of Spatiotemporal Parameters, Propulsion, and Pelvic Kinematics. *Life*. 2026; 16(6):977. <https://doi.org/10.3390/life16060977>

Pancu DF, Tanase A, Voicu M, Predescu I-A, Dumitrel S-I, **Dumitrescu C**, et al. Exploring the Repurposing of Cardiotonic Glycosides Digoxin and Digitoxin on MIA PaCa-2 Pancreatic Cancer Cell Line as Alternative Treatments. *FARMACIA*. 2026; 74(2):483-494. <https://doi.org/10.31925/farmacia.2026.2.19>

Grosu (Dumitrescu) C, Boța M, Bonțe D, Toma C, Smeu A, Vlaia L, Boru C. Myricetin-fisetin combinatorial treatment as a

potential strategy for cutaneous melanoma – An in vitro study. FARMACIA. 2025; 73(2):477-485. doi:10.31925/farmacia.2025.2.21

Alexandru GC, Chioran D, Riviș M, Modiga C, Gligor L-N, Pricop MO, Dinu Ș, Roi CI, **Dumitrescu C**, Kiș AM, et al. Post-COVID-19-Associated Maxillary Osteonecrosis: A Case Series. COVID. 2026; 6(5):75. <https://doi.org/10.3390/covid6050075>

Haj Ali D, Dumitrel S-I, Trandafirescu C, Manea HC, Lascu A, Dinu S, Macasoi I, Buzatu R, Szuhaneck C, **Dumitrescu C**, Olariu I. In vitro and in ovo comparative toxicological assessment of self-assembling peptide-based dental repair agents. FARMACIA. 2024; 72(6):1376-1385. doi:10.31925/farmacia.2024.6.17.

Borozan F, Sas I, Blidisel A, Haj Ali D, Pasc A, **Dumitrescu C**, Minda D, Trandafirescu C, Dumitrel S, Ardelean S. In vitro assessment of 17β-ethinylestradiol and levonorgestrel on breast cancer MCF-7 and MDA-MB 231 cell lines. FARMACIA. 2024; 72(5):1131-1141. doi:10.31925/farmacia.2024.5.16

Grosu C, Jijie A-R, Manea HC, Moacă E-A, Iftode A, Minda D, Chioibaș R, Dehelean C-A, Vlad CS. New Insights Concerning Phytophotodermatitis Induced by Phototoxic Plants. Life. 2024; 14(8):1019. doi:10.3390/life14081019

Moise G, Geamantan-Sîrbu A, Vlad CS, Vlad D, **Dumitrescu C**, Sima L. Quercetin enhances the anti-tumor activity of doxorubicin in IMR-32 neuroblastoma cells. FARMACIA. 2024; 72(4):785-793. doi:10.31925/farmacia.2024.4.6

Zakzak Khaled, Vlaia L, Semenescu AD*, **Dumitrescu C**, Coneac G, Kis AM, Moaca A, Vlaia V, Iurciuc S, Stefanescu EH. In vitro study of topical caffeine and ascorbyl magnesium phosphate formulations – preparation, physicochemical characterization and pharmaco-toxicological assessment. FARMACIA. 2024; 72(2):381-396. doi:10.31925/farmacia.2024.2.16.

Dolghi A, Coricovac D, Dinu S, Pinzaru I, Dehelean CA, **Grosu C**, Chioran D, Merghes PE, Sarau CA. Chemical and Antimicrobial Characterization of Mentha piperita L. and Rosmarinus officinalis L. Essential Oils and In Vitro Potential Cytotoxic Effect in Human Colorectal Carcinoma Cells. Molecules. 2022 Sep 19;27(18):6106. doi:10.3390/molecules27186106.

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. Curr Oncol. 2021 Dec 2;28(6):5054-5066. doi:10.3390/currncol28060425.

II. Full-text articles published in CNCSIS B/B+ (BDI)-indexed journals

Grosu (Dumitrescu) C, Neagu M, Smeu A, Cristea A-M, Boia E, Morariu Briciu D-M, Vlaia L. The Association Between Fisetin and Rutin Triggers an Enhanced Cytotoxicity in A431 and A375 Skin Cancer Cells. Medicine in evolution. 2025; 31(1):97-105.

Rednic R, Semenescu AD*, Bociort F, **Grosu C**, Kiș A, Tomescu MC. A detailed study on the antitumor effects of consecrated drugs – digoxin and labetalol. Medicine in evolution. 2022, XXVIII, 4, ISSN 2065-376X.

Predut D, Dolghi A, **Grosu C**, Bociort F, Iftode A, Jivanescu A. Assessment of the cytotoxic potential of rutin formulations on human oral cells. 2022, 28(4): 305-309. ISSN 2068-9551.

III. Abstracts published in ISI Web of Knowledge-indexed journals

Alexandra Denisa Semenescu, Elena Alina Moaca, Claudia Watz, Alina Anton, Andreea Geamantan, Andreea Mihaela Kis, **Cristina Dumitrescu**, Raul Chioibas, Cristina Adriana Dehelean. Phytochemical characterization and in vitro assessment of Galium mollugo L. extract on murine melanoma cells. Abstracts of the 58th Congress of the European Societies of Toxicology (EUROTOX 2024) TOXICOLOGY—A QUEST FOR SAFER CHEMICALS AND MEDICINES. Copenhagen, Denmark, 8 –11 September 2024.

IV. Abstracts published in Romanian ISBN-indexed abstract volumes

Iasmina Marcovici, Andreea Smeu, Andreea Cristea, **Cristina Dumitrescu**, Cristina-Adriana Dehelean. Oleatul de Rutin și Linoleatul de Rutin Exerciță o Activitate Antitumorală mai Puternică în Comparăție cu Rutinul în Celulele de Carcinom

Hepatocellular HepG2. Farmacia în contextul schimbărilor globale: provocări și oportunități. Congresul Național de Farmacie 2025 Ediția a XX-a. Editura University Press, Târgu Mureș, 2025, ISBN 978-973-169-929-5.

Cristina Grosu (Dumitrescu), Iulia Pinzaru, Cristina Dehelean. Plant secondary metabolites in cosmetics and cosmeceuticals. pag 51, Rezumate manifestări în cadrul proiectului CNFIS-FDI-2019-0393, Aplicații ale metodelor experimentale în analiza produselor cosmetice cu principii active (Applications of experimental methods in the analysis of cosmetics based on active ingredients), Editura Victor Babes, Timisoara, 2020, ISBN 978-606-786-156-3

Cristina Grosu (Dumitrescu), Iulia Pinzaru, Cristina Dehelean. Evaluation of the physiological skin parameters by non-invasive methods in the presence of a formulation for topical application based on *Salvia officinalis*. pag 61, Rezumate manifestări în cadrul proiectului CNFIS-FDI-2019-0393, Aplicații ale metodelor experimentale în analiza produselor cosmetice cu principii active (Applications of experimental methods in the analysis of cosmetics based on active ingredients), Editura Victor Babes, Timisoara, 2020, ISBN 978-606-786-156-3

Cristina Grosu, Ioana Macasoi, Cristina Dehelean. Pharmaco-toxicological evaluation of the antitumor effect of *Helleborus purpurascens*. pag 56, Rezumate manifestări în cadrul proiectului CNFIS-FDI-2021-0498, Plante medicinale între natură și sănătate (Plants between nature and health), Editura Victor Babes, Timisoara, 2021, ISBN 978-606-786-253-9

Cristina Grosu, Iasmina Marcovici, Cristina Dehelean. Evaluation of soybean (*Glycine max* L.) phytoestrogens as active compounds in breast cancer prevention and treatment. pag 35. Rezumate manifestări în cadrul proiectului CNFIS-FDI-2022-0494, Implementarea de tehnici moderne pentru dezvoltarea continuă a bazei de practică în domeniul produselor vegetale medicinale a "UMF Victor Babeș" din Timișoara. Editura Victor Babes, Timisoara, 2023, ISBN 978-606-786-300-0.

V. Scientific presentations at national and international conferences

Iasmina Marcovici, Andreea Smeu, Andreea Cristea, **Cristina Dumitrescu**, Cristina-Adriana Dehelean. Oleatul de Rutin și Linoleatul de Rutin Exercită o Activitate Antitumorală mai Puternică în Comparatie cu Rutinul în Celulele de Carcinom Hepatocellular HepG2. Farmacia în contextul schimbărilor globale: provocări și oportunități. Congresul Național de Farmacie 2025 Ediția a XX-a. 24-26 Septembrie 2025, Târgu Mureș.

Kis Andreea-Mihaela, Vintila Roxana, **Dumitrescu Cristina**, Mot Ion Cristian, Negru Mihaela Cristina. LOBULAR CAPILARY HEMANGIOMA : Case management in a young male. 96 th Annual Meeting of the German Society of Oto Rhino Laryngology, Head and Neck Surgery e. V. Frankfurt, Germany. 28-31 mai 2025.

Alexandra Denisa Semenescu, Elena Alina Moaca, Claudia Watz, Alina Anton, Andreea Geamantan, Andreea Mihaela Kis, **Cristina Dumitrescu**, Raul Chioibas, Cristina Adriana Dehelean. Phytochemical characterization and in vitro assessment of *Galium mollugo* L. extract on murine melanoma cells. Abstracts of the 58th congress of the European Societies of Toxicology (EUROTOX 2024) TOXICOLOGY–A QUEST FOR SAFER CHEMICALS AND MEDICINES. Copenhagen, Denmark, 8 –11 September 2024.

VI. Research projects – ERASMUS

ERASMUS KA220-HED project: Cooperation partnerships in higher education, contract no. 2022-1-RO01-KA220-HED000088958, University in Osijek, Croatia

Membru al comitetului organizator al Conferinței Naționale CosMedical Timișoara 2025.