

Cristina-Daniela Dumitrescu (Grosu)

PERSONAL INFORMATION

✉ cristina.grosu@umft.ro

PROFESSIONAL EXPERIENCE

- 2023 – Present **University assistant**
Department I, University Clinic of Toxicology, Pharmaceutical Industry, Management and Legislation
Faculty of Pharmacy, "Victor Babes" University of Medicine and Pharmacy, Timisoara (Romania)
- 2024 – Present **Specialist Pharmacist**
General Pharmacy
"Pius Brînzeu" County Emergency Clinical Hospital Timisoara (Romania)
- 2020 – 2023 **Resident Pharmacist**
General Pharmacy Specialization
"Pius Brînzeu" County Emergency Clinical Hospital Timisoara (Romania)
- 1997 – 2020 **Pharmacist**
OLIMPIAFARM, Timisoara (Romania)
SIEPCOFAR

EDUCATION AND TRAINING

- 2021-2026 **PHD**
Pharmacy Field
"Victor Babeş" University of Medicine and Pharmacy, Timisoara (Romania)
- 1992 – 1997 **Bachelor's Degree in Pharmacy**
Faculty of Pharmacy, "Victor Babeş" University of Medicine and Pharmacy, Timișoara (Romania)
- 1989 – 1992 **Baccalaureate Diploma**
Sanitary High School, Timisoara (Romania)

PERSONAL SKILLS

Mother tongue(s) Romanian

Foreign languages	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken Interaction	Spoken Production	
French	A2	A2	A2	A2	A2
English	B1	B1	B1	B1	B1

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

Common European Framework of Reference for Languages - Self-Assessment Grid

Communication skills Communication and teamwork skills acquired during internships.
Interdisciplinary collaboration skills developed through scientific research projects.

Organizational skills Organizational and leadership skills developed throughout professional activities.

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

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

Driving licence B

List of publications

I. Articles published in full in ISI Web of Knowledge indexed journals

Grosu (Dumitrescu) C, Boța M, Bontê 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

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. Articles published in extenso in CNCSIS B/B+ indexed journals (BDI)

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, Kiş 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. Articles published in abstract 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. Articles published in abstracts in Romanian abstract volumes with ISBN

Iasmina Marcovici, Andreea Smeu, Andreea Cristea, Cristina Dumitrescu, Cristina-Adriana Dehelean. Rutin Oleate and Rutin Linoleate Exert More Potent Antitumor Activity Compared to Rutin in HepG2 Hepatocellular Carcinoma Cells. *Pharmacy in the Context of Global Changes: Challenges and Opportunities*. National Pharmacy Congress 2025 20th Edition. University Press, Târgu Mureş, 2025, ISBN 978-973-169-929-5.

Cristina Grosu (Dumitrescu), Iulia Pinzaru, Cristina Dehelean. Plant secondary metabolites in cosmetics and cosmeceuticals. pag 51, Abstracts of events within the project CNFIS-FDI-2019-0393, Applications of experimental methods in the analysis of cosmetics based on active ingredients, Victor Babes Publishing House, 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, Abstracts of events within the project CNFIS-FDI-2019-0393, Applications of experimental methods in the analysis of cosmetics based on active ingredients, Victor Babes Publishing House, 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, Summaries of events within the project CNFIS-FDI-2021-0498, Medicinal 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. Abstracts of events within the project CNFIS-FDI-2022-0494, Implementation of modern techniques for the continuous development of the practice base in the field of medicinal plant products of “UMF Victor Babeş” in Timişoara. Victor Babes Publishing House, Timisoara, 2023, ISBN 978-606-786-300-0.

V. Scientific communications presented at national and international conferences

Iasmina Marcovici, Andreea Smeu, Andreea Cristea, Cristina Dumitrescu, Cristina-Adriana Dehelean. Rutin Oleate and Rutin Linoleate Exert More Potent Antitumor Activity Compared to Rutin in HepG2 Hepatocellular Carcinoma Cells. Pharmacy in the Context of Global Changes: Challenges and Opportunities. National Congress of Pharmacy 2025 Ediția a XX-a. 24-26 Septembrie 2025, Târgu Mureș.

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