

TRANDAFIRESCU CRISTINA-MARIA

PERSONAL INFORMATION



CURRENT WORKPLACE

VICTOR BABEȘ UNIVERSITY OF MEDICINE AND PHARMACY
TIMISOARA, FACULTY OF PHARMACY,
DISCIPLINE OF PHARMACEUTICAL CHEMISTRY

PROFESSIONAL EXPERIENCE

Period	March 2017 – present
Position or post occupied	Associate Professor
Main activities or responsibilities	Course and practical works at the Discipline of Pharmaceutical Chemistry
Name and address of employer	Victor Babeș University of Medicine and Pharmacy Timisoara, Faculty of Pharmacy, Discipline of Pharmaceutical Chemistry
Type of activity or sector of activity	Didactic and scientific research activity

Period	March 2004 – March 2017
Position or post occupied	Lecturer
Main activities or responsibilities	Course and practical works at the Discipline of Pharmaceutical Chemistry
Name and address of employer	Victor Babeș University of Medicine and Pharmacy Timisoara, Faculty of Pharmacy, Discipline of Pharmaceutical Chemistry
Type of activity or sector of activity	Didactic and scientific research activity

Period	March 2001 – March 2004
Position or post occupied	Assistant Professor
Main activities or responsibilities	Practical works at the Discipline of Pharmaceutical Chemistry
Name and address of employer	Victor Babeș University of Medicine and Pharmacy Timisoara, Faculty of Pharmacy, Discipline of Pharmaceutical Chemistry
Type of activity or sector of activity	Didactic and scientific research activity

Period	Octombrie 1998 – Martie 2001
Position or post occupied	Teaching Assistant

Main activities or responsibilities	Practical works at the Discipline of Pharmaceutical Chemistry
Name and address of employer	Victor Babeş University of Medicine and Pharmacy Timisoara, Faculty of Pharmacy, Discipline of Pharmaceutical Chemistry
Type of activity or sector of activity	Didactic and scientific research activity

Period	July 1998 – October 1998
Position or post occupied	Pharmacist
Main activities or responsibilities	Preparation and dispensing of medicines, pharmaceutical advice, pharmacovigilance activity
Name and address of employer	S.C. FARMELIA SRL
Type of activity or sector of activity	Pharmacy

Period	Decembre 1997 – July 1998
Position or post occupied	Pharmacist
Main activities or responsibilities	Preparation of medicines
Name and address of employer	S.C. Laboratorul Paracelsus SRL
Type of activity or sector of activity	Pharmacy

EDUCATION AND TRAINING

Period	2008 - present
Qualification / diploma obtained	Doctor of Pharmacy, confirmed by the Order of MECT series TM no. 4887 / 25.07.2008
Main areas studied / acquired competences	Pharmaceutical Sciences
Name and type of educational institution / training provider	Târgu Mureş University of Medicine and Pharmacy
Level of classification of the form of education / training	ISCED 8

Period	2018 - present
Qualification / diploma obtained	Resident pharmacist, the second specialization, Pharmaceutical Laboratory, confirmed by order of the Ministry of Health no. 1569 / 20.12.2018
Main areas studied / acquired competences	Pharmaceutical Laboratory
Name and type of educational institution / training provider	Victor Babeş University of Medicine and Pharmacy
Level of classification of the form of education / training	Residency

Period	2021
Qualification / diploma obtained	Primary pharmacist in the specialty of General Pharmacy, confirmed by the Order of the Ministry of Health no. 1749/03.09.2021
Main areas studied / acquired competences	General Pharmacy
Name and type of educational institution / training provider	Victor Babeş University of Medicine and Pharmacy
Level of classification of the form of education / training	Residency

Period	2002
Qualification / diploma obtained	Pharmacist specialist in the specialty of General Pharmacy, confirmed by the Order of the Ministry of Health no. 256 / 11.04.2002
Main areas studied / acquired competences	General Pharmacy
Name and type of educational institution / training provider	Victor Babeş University of Medicine and Pharmacy
Level of classification of the form of education / training	Residency

Period	1992 - 1997
Qualification / diploma obtained	Pharmacist / Bachelor of Pharmacy, Diploma 995 / 18.11.1997
Main areas studied / acquired competences	Pharmacy
Name and type of educational institution / training provider	Carol Davila University of Medicine and Pharmacy Bucureşti
Level of classification of the form of education / training	ISCED 7

PERSONAL COMPETENCIES

Native Language Romanian Language

Other known foreign languages

	UNDERSTANDING		SPEECH		WRITING
	Listening	Reading	Participation in the conversation	Oral speech	
English	Experienced user	Experienced user	Experienced user	Experienced user	Experienced user
French	Independent user	Independent user	Independent user	Independent user	Independent user

Communication skills ▪ Communication and teamwork skills

E-skills

- Windows, Office, database

Publications and didactic and scientific activity:

63 publications (2003 – present), of which 36 publications present in the Web of Science, 8 specialized books (author and co-author), 2 chapters in books (co-author), member of four research projects

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10 (Web of Science)

Member of scientific associations

Member of *Society of Pharmaceutical Sciences in Romania*

ANNEXES

Annex 1. Representative publications:

1 – Ionuț Ledetși, Gabriela Vlas, Titus Vlas, Marius Murariu, **Cristina Trandafirescu***, Codruța Șoica, Lenuța Maria Șuta, Cristina Dehelean, Adriana Ledetși, Non-isothermal isoconversional kinetic study regarding the degradation of albendazole, Rev Chimie, 2016, vol. 67, no.3, p. 549-552, ISSN 0034-7752, WOS:000375364800034

2 – **Cristina Trandafirescu**, Codruța Șoica, Adriana Ledetși, Florin Borcan, Lenuța-Maria Șuta, Marius Murariu, Cristina Dehelean, Daniela Ionescu, Ionuț Ledetși, Preformulation studies for albendazole. A DSC and FTIR analysis of binary mixtures with excipients, Rev Chimie, 2016, vol. 67, no. 3, 463-467, ISSN 0034-7752, WOS:000375364800016

- 3 – **Cristina Trandafirescu**, Ionuț Ledeti, Codruța Șoica, Adriana Ledeti, Gabriela Vase, Florin Borcan, Cristina Dehelean, Dorina Coricovac, Roxana Racoviceanu, Zoltan Aigner, Albendazole-cyclodextrins binary systems. Thermal and spectral investigation on drug-excipient interaction, *Journal of Thermal Analysis and Calorimetry*, 2019, <https://doi.org/10.1007/s10973-019-08326-1>

- 4 - A Mioc, M Mioc, R Ghiulai, M Voicu, R Babuta, **C Trandafirescu**, C Dehelean, D Coricovac, CM Soica, Gold nanoparticles as targeted delivery systems and theranostic agents in cancer therapy. *Current Medicinal Chemistry*, 2019, DOI: [10.2174/0929867326666190506123721](https://doi.org/10.2174/0929867326666190506123721)

- 5 - Denisa Cincioban, Ionut Ledeti, Lenuta-Maria Suta, Gabriela Vase, Adriana Ledeti, Titus Vase, Renata Varut, Laura Sbarcea, **Cristina Trandafirescu**, Cristina Dehelean, Instrumental analysis and molecular modelling of inclusion complexes containing artesunate, *Journal of Thermal Analysis and Calorimetry*, 2020, 142, 5, 1951-1961, DOI: 10.1007/s10973-020-09975-3

- 6 – Roxana Racoviceanu, **Cristina Trandafirescu***, Mirela Voicu, Roxana Ghiulai, Florin Borcan, Cristina Dehelean, Claudia Watz, Zoltan Aigner, Rita Ambrus, Dorina Elena Coricovac, Denisa Cincioban, Alexandra Mioc, Camelia Alexandrina Szuhanek, Codruța Șoica, Solid polymeric nanoparticles of albendazole: Synthesis, physico-chemical characterization and biological activity, *Molecules*, 2020, 25, 5130, doi:10.3390/molecules25215130

- 7 – Sbarcea Laura, Tanase Ionut-Mihai, Ledeti Adriana, Cincioban Denisa, Vase Gabriela, Barvinschi Paul, Miclau Marinela, Varut Renata-Maria, **Trandafirescu C**, Ledeti Ionut, Encapsulation of risperidone by methylated beta-cyclodextrins: physicochemical and molecular modeling studies, *Molecules*, 2020, 25, article no. 5694, DOI: 10.3390/molecules25235694

- 8 – Soica Codruta, Voicu Mirela, Ghiulai Roxana, Dehelean Cristina, Racoviceanu Roxana, **Trandafirescu Cristina**, Rosca Oana-Janina, Nistor Gabriela, Mioc Marius, Mioc Alexandra, Natural Compounds in sex hormone-dependent cancers: The role of triterpenes as therapeutic agents, *Frontiers in endocrinology*, 2021, 11, art. no. 612396, DOI: 10.3389/fendo.2020.612396

- 9 - Daliana Minda, Alexandra Mioc, Christian Banciu, Codruța Șoica, Roxana Racoviceanu, marius Mioc, Ioana Macașoi, Ștefana Avram, Adrian Voicu, Andrei Motoc, **Cristina Trandafirescu**, Cyclodextrin dispersion of mebendazole and flubendazole improves in vitro antiproliferative activity, *Processes*, 2021, 9, 2185, <https://doi.org/10.3390/pr9122185>

- 10 - Alexandra Prodea, Alexandra Mioc, Christian Banciu, **Cristina Trandafirescu***, Andreea Milan, Roxana racoviceanu, Roxana Ghiulai, Marius Mioc, Codruța Șoica, The role of cyclodextrins in the design and development of triterpene-based therapeutic agents, *International Journal of Molecular Sciences*, 2022, 23, 736, <https://doi.org/10.3390/ijms23020736>

Annex 2. Research projects:

Bilateral RO-HU 674/2013 - Evaluation of some modern pharmaceutical formulations obtained by complexing some pentacyclic triterpenes with functionalized polysaccharide derivatives, member, period 2013-2014;

PIII-C3-PCFI-2016/2017 - Interdisciplinary fundamental research on monitoring, evaluation and correlation of litogenic processes with etiopatogenic aspects through innovative instrumental screening, project responsible, period 2015-2017;

PN- III-P2-2.1-BG-2016-0354 – Formulations based on betulin and gold nanoparticles in combating the aging process of the skin, member, period 2016-2018;

Internal competition Partnerships in innovative fundamental research UMFT Victor Babes III-C5-PCFI-2017/2018-04, "Anti-inflammatory, chemopreventive and antitumor potential in breast cancer of some standardized plant extracts from *Melissa officinalis* L. in nanoformulations with cyclodextrins" ROINEXTRAMAM, member, period 2017-2018.

Annex 3. Department for the training of teaching staff – Certificate of graduation level 1 February 2014, and Graduation Certificate level 2 June 2014

