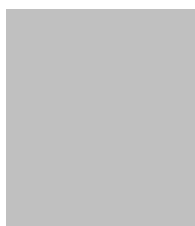




PERSONAL INFORMATION

TRANDAFIRESCU CRISTINA - MARIA



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| Date of birth

| Nationality Romanian

CURRENT WORK PLACE

"VICTOR BABEȘ" UNIVERSITY OF PHARMACY TIMIȘOARA,
FACULTY OF PHARMACY, PHARMACEUTICAL CHEMISTRY
DEPARTMENT

PROFESSIONAL EXPERIENCE

Period	March 2023 – present
Position or position held	Professor
Main activities or responsibilities	Course and practical work at the University Department of Pharmaceutical Chemistry
Employer's name and address	"Victor Babeș" University of Medicine and Pharmacy of Timișoara, Faculty of Pharmacy, Discipline of Pharmaceutical Chemistry
Type of activity or sector of activity	Teaching and scientific research activity

Period	March 2017 – present
Position or position held	Associate Professor
Main activities or responsibilities	Course and practical work at the Discipline of Pharmaceutical Chemistry
Employer's name and address	"Victor Babeș" University of Medicine and Pharmacy of Timișoara, Faculty of Pharmacy, Discipline of Pharmaceutical Chemistry
Type of activity or sector of activity	Teaching and scientific research activity

Period	March 2004 – March 2017
Position or position held	Works manager
Main activities or responsibilities	Course and practical work at the Discipline of Pharmaceutical Chemistry
Employer's name and address	"Victor Babeș" University of Medicine and Pharmacy of Timișoara, Faculty of Pharmacy, Discipline of Pharmaceutical Chemistry
Type of activity or sector of activity	Teaching and scientific research activity

Period	March 2001 – March 2004
Position or position held	Assistant Professor
Main activities or responsibilities	Practical work at the Discipline of Pharmaceutical Chemistry
Employer's name and address	"Victor Babeș" University of Medicine and Pharmacy of Timișoara, Faculty of Pharmacy, Discipline of Pharmaceutical Chemistry
Type of activity or sector of activity	Teaching and scientific research activity

Period	October 1998 – March 2001
Position or position held	University Assistant

Main activities or responsibilities	Practical work at the Discipline of Pharmaceutical Chemistry
Employer's name and address	"Victor Babeș" University of Medicine and Pharmacy of Timișoara, Faculty of Pharmacy, Discipline of Pharmaceutical Chemistry
Type of activity or sector of activity	Teaching and scientific research activity

Period	July 1998 – October 1998
Position or position held	Pharmacist
Main activities or responsibilities	Preparation and dispensing of drugs, pharmaceutical counselling, pharmacovigilance activity
Employer's name and address	S.C. FARMELIA SRL
Type of activity or sector of activity	Pharmacy

Period	December 1997 – July 1998
Position or position held	Pharmacist
Main activities or responsibilities	Preparation of drugs
Employer's name and address	S.C. Laboratorul Paracelsus SRL
Type of activity or sector of activity	Pharmacy

EDUCATION AND TRAINING

Period	2022 Habilitation in the Pharmacy Field
Qualification/diploma obtained	Certificate of habilitation in the field of doctoral studies Pharmacy, Order of the Minister of Education no. 6351/ 05.12.2022

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

Period	2021
Qualification/diploma obtained	Primary Pharmacist General Pharmacy, confirmed by MS Order no. 1749 / 03.09.2021
Main areas studied/competences acquired	General Pharmacy
Name and type of educational institution/training provider	"Victor Babeș" University of Medicine and Pharmacy of Timișoara
Level of classification of the form of education/training	

Period	2002
Qualification/diploma obtained	Pharmacist specialized in the specialty of General Pharmacy, confirmed by MSF Order no. 256 / 11.04.2002
Main areas studied/competences acquired	General Pharmacy
Name and type of educational institution/training provider	"Victor Babeș" University of Medicine and Pharmacy of Timișoara
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/competences acquired	Pharmacy
Name and type of educational institution/training provider	"Carol Davila" University of Medicine and Pharmacy Bucharest
Level of classification of the form of education/training	ISCED 7

PERSONAL SKILLS

Native language(s) Romanian language

Known Foreign Languages

	COMPREHENSION		SPEECH		WRITING
	Listening	Reading	Participation in conversation	Oral Discourse	
English	B2	B2	B2	B2	B2
French	B2	B2	B2	B2	B2

Communication skills ▪ Communication and teamwork skills

Digital skills

- Windows, Office, databases

Publications and teaching and scientific activity:

46 publications present in Web of Science, 8 specialized books (author and co-author), 2 chapters in books (co-author), member in four research projects (2013-2018)

h – index 13 (Web of Science)

Member of scientific associations

Member of the Romanian Society of Pharmaceutical Sciences

ANNEXES

Annex 1. Representative publications:

1. Courses

1. Adrian Grozav, **Cristina Trandafirescu**, Codruța Șoica, Gogonea Valentin, Ciubotariu Dan – Noțiuni de Chimie Farmaceutică, 2001, Ed. Mirton, Timișoara.
2. **Cristina Trandafirescu**, Laura Sbârcea – Chimie Farmaceutică. Chimioterapice antiinfecțioase, 2011, Ed. Mirton, Timișoara
3. Codruța Șoica, **Cristina Trandafirescu** – Chimie Farmaceutică: Medicația aparatelor și sistemelor, vol. I, 2013, Ed. Victor Babeș, Timișoara
4. Codruța Șoica, Florin Borcan, **Cristina Trandafirescu** – Chimia și acțiunea antisepticelor și dezinfectantelor, 2013, Ed. Victor Babeș, Timișoara

2. Practical works

1. **Cristina Trandafirescu**, Codruța Șoica – Chimie Farmaceutică. Lucrări practice, 2007, Ed. Mirton, Timișoara
2. Codruța Șoica, **Cristina Trandafirescu**, Cristina Pătruțescu – Chimie Farmaceutică. Lucrări practice de laborator, 2008, Ed. Mirton, Timișoara
3. **Cristina Trandafirescu**, Florin Borcan, Cristina Pătruțescu, Chimie Pharmaceutique. Travaux pratiques. Editura Victor Babeș, Timișoara, 2019, ISBN 978-606-786-101-3, 144 p.
4. **Cristina Trandafirescu**, Roxana Racoviceanu, Marius Mioc, Roxana Ghiulai, Chimie farmaceutică. Lucrări de laborator, ed. a II-a revizuita, Ed. Victor Babeș, Timișoara, 2020, ISBN 978-606-786-194-5, 227 p.

3. Chapter books

1. Codruța Șoica, **Cristina Trandafirescu**, Florin Borcan, Corina Danciu, Georgeta Simu and Cristina Dehelean, Chapter 2, Nanoformulations with Cyclodextrins as Carriers for Skin Targeting of Active Drugs, Editor: Bhupinder Singh Bhoop, Executive editor: J.N. Govil, Biotechnology, Drug Delivery & Vol. 8, Series ISBN: 1-62699-015-8, Vol. ISBN: 1-62699-023-9, p. 29-56, 2014
2. Soica C, Pinzaru I, **Trandafirescu C**, Andrica F, Danciu C, Mioc M, Coricovac D, Sitaru C, Dehelean C. Silver-, gold-, and iron-based metallic nanoparticles: Biomedical applications as theranostic agents for cancer. In: "Design of Nanostructures for Theranostics Applications", book edited by Alexandru Mihai Grumezescu, ISBN: 978-0-12-813669-0. Elsevier 2018, p. 161-242, 2018

4. Representative scientific articles

1. Ledeti Ionuț, Bercean Vasile, Anda Alexa, Codruța Șoica, Lenuța-Maria Șuta, Cristina Dehelean, **Cristina Trandafirescu**, Delia Muntean, Monica Licker, Adriana Fuliș - Preparation and antibacterial properties of substituted 1,2,4-triazoles, *Journal of Chemistry*, 2015, vol. 2015, article no. 879343, IF – 0,996, <https://jcr.clarivate.com/jcr-jp/journal-profile?journal=J%20CHEM-NY&year=2021> DOI: 10.1155/2015/879343, WOS:000352908000001, Q3 (Chemistry, Multidisciplinary),
2. Corina Danciu, Lavinia Vlaia, Florinela Fetea, Monica Hăncianu, Dorina E. Coricovac, Sorina A. Ciurlea, Codruța M. Șoica, Iosif Marincu, Vicențiu Vlaia, Cristina A. Dehelean, **Cristina Trandafirescu** – Evaluation of phenolic profile, antioxidant and anticancer potential of two main representatives of Zingiberaceae family against B16A5 murine melanoma cells, *Biological Research*, 2015, vol. 48, no. 1, IF – 1,328 <https://jcr.clarivate.com/jcr-jp/journal-profile?journal=BIOL%20RES&year=2021>, DOI:10.1186/0717-6287-48-1, ISSN 0716-9760, WOS:000357080400001, Q3 (Biology).
3. Ionuț Ledeti, Gabriela Vlase, Titus Vlase, Marius Murariu, **Cristina Trandafirescu***, Codruța Șoica, Lenuța Maria Șuta, Cristina Dehelean, Adriana Ledeti, Non-isothermal isoconversional kinetic study regarding the degradation of albendazole, *Rev Chimie*, 2016, vol. 67, no.3, p. 549-552, IF-1,232, <https://jcr.clarivate.com/jcr-jp/journal-profile?journal=REV%20CHIM-BUCHAREST&year=2019> ISSN 0034-7752, WOS:000375364800034
4. **Cristina Trandafirescu**, Codruța Șoica, Adriana Ledeti, Florin Borcan, Lenuța-Maria Șuta, Marius Murariu, Cristina Dehelean, Daniela Ionescu, Ionuț Ledeti, Preformulation studies for albendazole. A DSC and FTIR analysis of binary mixtures with excipients, *Rev Chimie*, 2016, vol. 67, no. 3, 463-467, IF-1,232, <https://jcr.clarivate.com/jcr-jp/journal-profile?journal=REV%20CHIM-BUCHAREST&year=2019> ISSN 0034-7752, WOS:000375364800016
5. **Cristina Trandafirescu**, Ionuț Ledeti, Codruța Șoica, Adriana Ledeti, Gabriela Vlase, 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, vol. 138, issue 5, DOI: 10.1007/s10973-019-08326-1, IF (2019) 2,731, <https://jcr.clarivate.com/jcr-jp/journal-profile?journal=J%20THERM%20ANAL%20CALORIM&year=2021> Q2 (Chemistry, Analytical), Q3 (Chemistry, Physical) eISSN 1588-2926
6. 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, IF (2019) 4,184, <https://jcr.clarivate.com/jcr-jp/journal-profile?journal=CURR%20MED%20CHEM&year=2021> Q2 (Biochemistry & Molecular Biology), Q1 (Chemistry, Medicinal) eISSN 1875-533X
7. Denisa Circioban, Ionuț Ledeti, Lenuța-Maria Șuta, Gabriela Vlase, Adriana Ledeti, Titus Vlase, 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, vol. 142, issue 5, pag. 1951-1961, DOI: 10.1007/s10973-020-09975-3, IF – 4,626 (2020),

8. Roxana Racoviceanu, **Cristina Trandafirescu** (autor cu contributie egala cu primul autor), Mirela Voicu, Roxana Ghiulai, Florin Borcan, Cristina Dehelean, Claudia Watz, Zoltan Aigner, Rita Ambrus, Dorina Elena Coricovac, Denisa Circioban, Alexandra Mioc, Camelia Alexandrina Szuhanek, Codruța Șoica, Solid polymeric nanoparticles of albendazole: Synthesis, physico-chemical characterization and biological activity, *Molecules*, 2020, vol. 25, article no 5130, doi:10.3390/molecules25215130, IF 4,412, eISSN 1420-3049
9. Sbarcea Laura, Tanase Ionut-Mihai, Ledeti Adriana, Circioban Denisa, Vlase 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, vol. 25, issue 23, article no. 5694, DOI: 10.3390/molecules25235694, IF (2020) 4,412, eISSN 1420-3049
10. 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, vol. 11, art. no. 612396, DOI: 10.3389/fendo.2020.612396, IF (2021) 6,055, ISSN 1664-2392
11. 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, vol. 9, issue 12, article no 2185, DOI: 10.3390/pr9122185, IF 3,352 (2021) eISSN 2227-9717
12. Alexandra Prodea, Alexandra Mioc, Christian Banciu, **Cristina Trandafirescu** (corresponding author), 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, vol. 23, issue 2, Art. No 736, DOI : 10.3390/ijms23020736, IF (2021) 6,208, eISSN 1422-0067
13. Gabriela Nistor, **Cristina Trandafirescu** (contribuție egală cu primul autor), Alexandra Prodea, Andreea Milan, Andreea Cristea, Roxana Ghiulai, Roxana Racoviceanu, Alexandra Mioc, Marius Mioc, Viviana Ivan, Codruța Șoica, Semisynthetic derivatives of pentacyclic triterpenes bearing heterocyclic moieties with therapeutic potential, *Molecules*, 2022, 27, 6552. <https://doi.org/10.3390/molecules27196552>
14. Roxana Ghiulai, Alexandra Mioc. Roxana Racoviceanu, Marius Mioc, Andreea Milan, Alexandra Prodea, Alexandra Semenescu, Cristina Dehelean, Lucian Barbu Tudoran, Ștefana Avram, **Cristina Trandafirescu**, Codruța Șoica, The anti-melanoma effect of betulinic acid functionalized gold nanoparticles: a mechanistic in vitro approach, *Pharmaceuticals*, 2022, 15, 1362. <https://doi.org/10.390/ph15111362>
15. Alexandra Prodea, Andreea Milan, Marius Mioc, Alexandra Mioc, Camelia Oprean, Roxana Racoviceanu, Roxana Negrea-Ghiulai, Gabriel Mardale, Ștefana Avram, Mihaela Bălan-Porcărașu, Slavița Rotunjanu, **Cristina Trandafirescu**, Irina Șoica, Codruța Șoica, Novel betulin-1,2,4-triazole derivatives promote in vitro dose-dependent anticancer cytotoxicity, *Processes*, **2024**, 24. <https://doi.org/10.3390/pr12010024>, IF (2023) 2,8, Q2 Engineering, Chemical
16. Minodora Andor, Claudia Temereancă, Laura Sbârcea, Adriana Ledeti, Dana Emilia Man, Cristian Mornoș, Amalia Ridichie, Denisa Circioban, Gabirlea Vlase, Paul Barvinschi, Angela Caunii, Renata-Maria Văruț, **Cristina Maria Trandafirescu**, Valentina Buda, Ionuț Ledeti, Matilda Rădulescu, Host-Guest Interaction Study of Olmesartan Medoxomil with beta-cyclodextrin derivatives, *Molecules*, **2024**, 29., 2209, <https://doi.org/10.3390/molecules29102209>, IF (2023) 4,2, Q2 Chemistry, Multidisciplinary
17. Andreea Roman, Andreea Smeu, Ana Lascu, Cristina Dehelean, Iasmina Predescu, Andrei Motoc, Claudia Borza, George Drăghici, **Cristina Trandafirescu**, Alina Anton, Simona Ardelean, Quercetin enhances 5-fluorouracil-driven cytotoxicity dose-dependently in A375 human melanoma cells, **2024**, Life, 14, 1685, <https://www.mdpi.com/2075-1729/14/12/1685>, IF (2023) 3,2 Q1 Biology

Anenex 2. Research projects

1. Bilateral RO-HU 674/2013 - Evaluation of modern pharmaceutical formulations obtained by complexing pentacyclic triterpenes with functionalized polysaccharide derivatives, member, period 2013-2014;
2. PIII-C3-PCFI-2016/2017 - Interdisciplinary fundamental research on monitoring, evaluation and correlation of lithogenic processes with etiopathogenic aspects through innovative instrumental screening, responsible for the project, period 2015-2017;
3. PN- III-P2-2.1-BG-2016-0354 – Formulations based on betulin and gold nanoparticles in combating skin ageing, member, 2016-2018;
4. 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 standardized plant extracts from *Melissa officinalis* L. in nanoformulations with cyclodextrins" ROINEXTRAMAM, member, 2017-2018

Awards for scientific articles

- PN-III-P1-1.1.-PRECISI-2021-55137 / 2021-09-15 / Instrumental analysis and molecular modeling of inclusion complexes containing artesunate / Journal of Thermal Analysis and Calorimetry
- PN-III-P1-1.1.-PRECISI-2021-56824 / 2021-09-15 / Encapsulation of Risperidone by methylated beta-cyclodextrins : Physicochemical and molecular modeling studies / Molecules
- PN-III-P1-1.1.-PRECISI-2021-60237 / 2021-09-16 / Solid polymeric nanoparticles of albendazole : Synthesis, physico-chemical characterization and biological activity / Molecules
- PN-III-P1-1.1.-PRECISI-2021-60457 / Natural compounds in sex-hormone-dependent cancers : The role of triterpenes as therapeutic agents / Frontiers in Endocrinology
- PN-III-P1-1.1.-PRECISI-2020-48546 / Gold nanoparticles as targeted delivery systems and theranostic agents in cancer therapy / Current Medicinal Chemistry
- PN-III-P1-1.1.-PRECISI-2020-49960 / Albendazole-cyclodextrins binary systems. Thermal and spectral investigation on drug-excipient interactions / Journal of Thermal Analysis and Calorimetry

Timișoara,
07.04.2025

Prof. univ. dr. habil. Cristina Trandafirescu