

PERSONAL INFORMATION

Oprean (born Sass) Camelia



POSITION

September 2016 - ongoing

Teaching assistant – Principles of drug analysis. Discipline of Chemistry of environmental factors, hygiene and nutrition.
(University of Medicine and Pharmacy "Victor Babeş" Timișoara, Faculty of Pharmacy)

WORK EXPERIENCE

January 2022- ongoing

Resident pharmacist

"Dr Gavril Curteanu" Municipal Hospital (Spitalul Clinic Municipal "Dr.Gavril Curteanu"), Oradea;
Address: Strada Corneliu Coposu 12, Oradea 410469; <https://scmo.ro/>

Type of activity Pharmaceutical services in hospital pharmacy system

January 2017 – December 2022

Research assistant

Timiș County Emergency Clinical Hospital (Spitalul Clinic Județean de Urgență "Pius Brînzeu" Timișoara); Address: Bulevardul Liviu Rebreanu 156, Timișoara 300723, <https://www.hosptm.ro/>

▪ Research in analytical chemistry (HPLC, LC-MS, GC-MS) and toxicology

Type of activity research

February 2013 - September 2016

Teaching assistant

Discipline of Pharmaceutica Chemistry, University of Medicine and Pharmacy "Victor Babeş" Timișoara, Faculty of Pharmacy (2 Eftimie Murgu Sq., Timișoara, 300041, Romania; <http://www.umft.ro>)

- Support laboratories and discussion sessions
- Assessment of students through tests and laboratory exams
- Coordination of students in their final year dissertation

Type of activity University education

October 2011 - February 2013

Associate Teacher

Discipline de Toxicology, University of Medicine and Pharmacy "Victor Babeş" Timișoara, Faculty of Pharmacy (2 Eftimie Murgu Sq., Timișoara, 300041, Romania; <http://www.umft.ro>)

- Support laboratories and discussion sessions
- Assessment of students through tests and laboratory exams

Type of activity University education

February 2012- September 2012

Pharmacist

SC. Pharmacon Medaten SRL. (Calea Dorobanților street, No. 20, Timișoara, România (<http://www.farmacia-atena.ro>))

- Patient counselling on the proper use and adverse effect of drugs, OTC drugs and parapharmaceuticals products
- Ensure the correct and safe supply of medical products to the general public

Type of activity Pharmaceutical services in community pharmacy system

September 2011 – January 2012

Teacher

"Ana Aslan" National College, Timișoara, Health Post Highschool
(B-dul Revoluției 1989 Nr. 15/A Timișoara, România; <http://www.cnanaaslan-tm.ro>)

- Teaching Quality Management courses and seminars
- Assessment of students through tests and laboratory exams

Type of activity Preuniversity education

EDUCATION AND TRAINING

October 2011 - October 2015

PhD in medicine

ISCED6

Department of Functional Sciences de Științe Funcționale, University of Medicine and Pharmacy "Victor Babeș" Timișoara, Faculty of Pharmacy (2 Eftimie Murgu Sq., Timișoara, 300041, Romania; <http://www.umft.ro>)

- Research topic: "Triterpenic compounds with antitumor effect: *in vitro* and *in vivo* experimental studies"
- Preclinical toxicology research
- Cell cultures, *in vitro* evaluation of the active compounds in the prophylaxis / therapy of cancer
- *In vivo* experimental tumor models
- Development of drug formulations with cyclodextrins, nanoparticles

2006-2011

Pharmacist

ISCED5

Faculty of Pharmacy, University of Medicine and Pharmacy "Victor Babeș" Timișoara, (2 Eftimie Murgu Sq., Timișoara, 300041, Romania; <http://www.umft.ro>)

RESEARCH ACTIVITY
Research projects
Member

1. The *in vitro* and *in vivo* evaluation of the mechanisms of cell death induced by the magnetic nanoparticles' interaction with tumor cells - PIII-C4-PCFI-2016/2017-03, acronym NANOCEL (2016-2017)
2. Environmental factors and epigenetic mechanisms – a common link in chronic kidney diseases – PN-II-RU-TE-2014-4-181/2015 (2015-2017)
3. The synthesis of compounds with antitumor potential by derivatization reactions and their characterization by hifenate techniques. Assessing the anti-angiogenic, anticancer and anti-inflammatory activity - SYNTANTITUM, Innovative partnerships in basic research- PIII-C1-PCFI-2014/2015
4. New formulations of ursolic and oleanolic acids applicable in tumor and antimicrobial therapy – POSDRU/159/1.5/S/136893. (2014-2015)

Affiliations

- The College of Pharmacists from Romania (Cphr)
- Romanian Society for Pharmaceutical Sciences

Books

Caunii A, **Oprean C**, Szabadai Z, Notiuni de chimia si igiena apei si alimentului, Editia a 2-a revizuita, Editura Victor Babes, Timisoara, 2016, 300 p., ISBN 978-606-786-014-6.
Caunii A, **Oprean C**, Chimia apei si a alimentului. Metode de analiza si elemente de dietoterapie, Editura Victor Babes, Timisoara, 2016, 141 p., ISBN 978-606-786-017-7.

Professional prestige

Citation: 394 (Web of Science); 545 (Google Scholar)
H-index: 13 (Web of Science); 13 (Google Scholar)
Published papers: Annex

PERSONAL SKILLS AND COMPETENCES

Mother tongue(s) Romanian

Other language(s) European level (*)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English Language	C1	C1	C1	C1	C1
French Language	B1	B1	B1	B1	B1

(*) Common European Framework of Reference for Languages

Social skills and competences

- Good teaching skills
- Good communication skills, ability to adapt to the students level of knowledge by teaching in Romanian and French
- Capacity of synthesis

Organisational skills and competences

Right Path Profile: Networker
 Leadership (Member of the executive committee of student organization OSCET- Organization of Evangelical Students from Timișoara (2008-2012); Coordinator of event planning team (6-8 people), in OSCET student organization: weekly meetings with students, student camps - volunteer (2008-2010)

Technical skills and competences

- Skills in the use of general laboratory equipment and devices, such as spectrophotometers, centrifuges, pH-meters, ultrasound devices etc.
- Skills for specific devices such as the Courage Khazaka (tewameter, corneometer, mexameter), HPLC, GC-MS, mass spectrometry
- basic knowledges of electrophoresis, flowcitometry, immunohistochemistry, RT-PCR

Computer skills and competences

Good command of Microsoft Office™ (Word, Excel, Power Point), HTML, Accelrys draw, Mendeley

Driving license

Owner of B category driving license (2008)

ANNEX
Published papers:

1. Drăghia LP, Lukinich-Gruia AT, **Oprean C**, Pavlovic NM, Paunescu V, Tatu CA. Aristolochic acid I: an investigation into the role of food crops contamination, as a potential natural exposure pathway. *Environ Geochem Health*. Published online 01 April 2021. <https://doi.org/10.1007/s10653-021-00903-4>. (IF 2020-2021: 4.609)
2. Ghițu A, Schwiebs A, Radeke HH, Avram S, Zupko I, Bor A, Pavel IZ, Dehelean CA, **Oprean C**, Bojin F, Farcas C, Soica C, Duicu O, Danciu C. A Comprehensive Assessment of Apigenin as an Antiproliferative, Proapoptotic, Antiangiogenic and Immunomodulatory Phytochemical. *Nutrients*. 2019 Apr 16;11(4). pii: E858. doi: 10.3390/nu11040858. (IF: 4.546)
3. Mioc M, Pavel IZ, Ghiulai R, Coricovac DE, Farcas C, Mihali C-V, **Oprean C**, Serafim V, Popovici RA, Dehelean CA, Shtilman MI, Tsatsakis AM and Soica C (2018), The Cytotoxic Effects, of Betulin-Conjugated Gold Nanoparticles as Stable Formulations in Normal and Melanoma Cells. *Front. Pharmacol.* 2018; 9:429. doi: 10.3389/fphar.2018. (IF: 3.845)
4. Danciu C, Muntean D, Alexa E, Farcas C, **Oprean C**, Zupko I, Bor A, Minda D, Proks M, Buda V, Hancianu M, Cioanca O, Soica C, Popescu S, Dehelean C.A. Phytochemical Characterization and Evaluation of the Antimicrobial, Antiproliferative and Pro-Apoptotic Potential of Ephedra alata Decne. Hydroalcoholic Extract against the MCF-7 Breast Cancer Cell Line. *Molecules*. 2019, 24(1), 13. doi:10.3390/molecules24010013. (IF: 3.286)
5. Gruia AT, **Oprean C**, Ivan A, Cean A, Cristea M, Draghia L, Damiescu R, Pavlovic NM, Paunescu V, Tatu CA. Balkan endemic nephropathy and aristolochic acid I: an investigation into the role of soil and soil organic matter contamination, as a potential natural exposure pathway. *Environmental Geochemistry and Health*. 2018, 40(4), 1437-1448; DOI: 10.1007/s10653-017-0065-9. (IF 3.252)
6. **Oprean C**, Ivan A, Bojin F, Cristea M, Soica C, Draghia L, Caunii A, Paunescu V, Tatu C. Selective in vitro anti-melanoma activity of ursolic and oleanolic acids. *Toxicology Mechanisms and Methods*, 2018; 28(2): 148-156. <http://dx.doi.org/10.1080/15376516.2017.1373881>; (IF 2018: 2.304).
7. Caunii A, **Oprean C**, Cristea M, Ivan A, Danciu C, Tatu C, Paunescu V, Marti D, Tzanakakis G, Spandidos D, Tsatsakis A, Susan Razvan, Soica C, Avram S, Dehelean C. Effects of ursolic and oleanolic on SK-MEL-2 melanoma cells: *In vitro* and *in vivo* assays. *International Journal of Oncology (IJO)*, 2017, 51 (6):1651-1660. (IF: 3.333).
8. **Oprean C**, Mioc M, Csányi E, Ambrus R, Bojin F, Tatu C, Cristea M, Ivan A, Danciu C, Dehelean C, Paunescu V, Soica C. Improvement of ursolic and oleanolic acids' antitumor activity by complexation with hydrophilic cyclodextrins. *Biomed*

Pharmacother. 2016 Aug 20;83:1095-1104. doi: 10.1016/j.biopha.2016.08.030. (IF. 2015: 2.326)

9. **Oprean C.**, Borcan F, Pavel I, Dema A, Danciu C, Soica C, Dehelean C, Nicu A, Ardelean A, Cristea M, Ivan A, Tatu C, Bojin F. *In Vivo* Biological Evaluation of Polyurethane Nanostructures with Ursolic and Oleanolic Acids on Chemically-induced Skin Carcinogenesis. *In Vivo.* 2016 09-10;30(5):633-8. (IF. 2014/2015: 0.974)
10. **Oprean C.**, Zamboi C, Borcan F, Soica C, Zupko I, Minorics R, Bojin F, Ambrus R, Muntean D, Danciu C, Pinzaru IA, Dehelean C, Paunescu V, Tanasie G. Anti-proliferative and antibacterial in vitro evaluation of the polyurethane nanostructures incorporating pentacyclic triterpenes. *Pharm Biol.* 2016 May 9:1-9. (IF. 2015: 1.546)

Updated: 02.03.2022