



Sebastian Claudiu Simu

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No. 2, Faculty of Pharmacy, Department of Physical Chemistry, 300041, Timisoara,
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Date of birth: 22/05/1993 **Nationality:** Romanian

ABOUT MYSELF

Lecturer of Physical Chemistry Faculty of Pharmacy, „Victor Babeş” University of Medicine and Pharmacy

WORK EXPERIENCE

[10/2023 – Current] **Lecturer**

Victor Babes University of Medicine and Pharmacy

City: Timisoara | **Country:** Romania

Coordinating practical works, discipline of Physical Chemistry, 1st Department, Faculty of Pharmacy

Main courses taught: Physical Chemistry II FR

[09/2018 – 06/2023] **University teaching assistant, PhD Student**

Victor Babes University of Medicine and Pharmacy

City: Timisoara | **Country:** Romania

Coordinating practical works, discipline of Physical Chemistry, 1st Department, Faculty of Pharmacy

[07/2017 – 06/2018] **External collaborator, PhD Student**

Victor Babes University of Medicine and Pharmacy

City: Timisoara | **Country:** Romania

Coordinating practical works, discipline of Physical Chemistry, 1st Department, Faculty of Pharmacy

[2015 – 2017] **VADA program volunteer**

Victor Babes University of Medicine and Pharmacy

City: Timisoara | **Country:** Romania

Research assistant, discipline of Toxicology, 2nd Department, Faculty of Pharmacy

[2014 – 2015] **VADA program volunteer**

Victor Babes University of Medicine and Pharmacy

City: Timisoara | **Country:** Romania

Coordinating practical works, discipline of Physical Chemistry, 1st Department, Faculty of Pharmacy

EDUCATION AND TRAINING

[2018 – 2019] **Competences in teaching**

West University of Timisoara, Department of Teacher Training <https://www.uvt.ro/ro/>

City: Timisoara | Country: Romania |

[2017 – 31/03/2023] **Doctoral studies**

Victor Babes University of Medicine and Pharmacy <https://www.umft.ro/>

City: Timisoara | Country: Romania | | **Thesis:** The impact of female sex hormones on skin and breast cancer development. Experimental models

[2017 – 2019] **Master's degree**

Victor Babes University of Medicine and Pharmacy <https://www.umft.ro/>

City: Timisoara | Country: Romania |

OTC drugs, food supplements, cosmetics

[09/2012 – 09/2017] **Pharmacist**

Victor Babes University of Medicine and Pharmacy <https://www.umft.ro/>

City: Timisoara | Country: Romania |

[2008 – 2012] **High School Diploma**

Grigore Moisil Highschool <http://info.tm.edu.ro/>

City: Timisoara | Country: Romania |

LANGUAGE SKILLS

Mother tongue(s): Romanian

Other language(s):

English

LISTENING C1 READING C1 WRITING C1

SPOKEN PRODUCTION C1 SPOKEN INTERACTION C1

French

LISTENING B2 READING B2 WRITING B2

SPOKEN PRODUCTION B2 SPOKEN INTERACTION B2

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

DIGITAL SKILLS

My Digital Skills

Microsoft Excel | Microsoft Office | Microsoft Word | Zoom | Social Media | Microsoft Powerpoint | Google Docs | Google Drive

COMMUNICATION AND INTERPERSONAL SKILLS

Good communication and student interaction skills

Acquired as a result of VADA activity

ADDITIONAL INFORMATION

Publications and citations

I have authored 14 ISI scientific papers in international journals (2017-currently), which have gained 134 citations (Web of Science, Clarivate Analytics).

I am also the author / co-author of several textbooks.

h-index

6 (Web of Science) 5 (Scopus) 5 (Google Scholar)

Member of scientific associations

Member of the Romanian Chemical Society (SChR)

ANNEXES

Publication list

Timișoara,
25 Noiembrie 2024

Ș.L. Dr. Simu Sebastian Claudiu

PUBLICATIONS LIST

A1. BOOKS

1. Ionuț-Valentin Ledeți, Georgeta Maria Simu, **Sebastian-Claudiu Simu**, *Chimie fizică aplicată pentru farmaciști – Termodinamică clasică, Proprietăți structurale ale moleculelor (I) – ediția a doua, revăzută și adăugită*, Editura Victor Babeș, Timișoara, 2023, ISBN 978-606-786-339-0; 172 pagini;
2. Ionuț-Valentin Ledeți, Georgeta Maria Simu, **Sebastian-Claudiu Simu**, *Applied Physical Chemistry for Pharmacy Students – Classical thermodynamics, Structural properties of molecules (I)*, Editura Victor Babeș, Timișoara, 2023, ISBN 978-606-786-314-7, 172 pagini;
- 3.

B1. ISI PAPERS

B1.1 IN EXTENSO ISI ORIGINAL ARTICLES AND REVIEWS

1. Pavel IZ, Iftode OA, Pinzaru I, Coricovac D, Moaca A, Farcas C, **Simu SC**, Soica C, Dehelean C, Motoc A. Skin Specific Cells and UVB Damage An experimental assessment. *Revista de Chimie*, 2017, vol 68, nr. 6: 1229 - 1233. WOS: 000 408702900017. ISSN 0034-7752.
2. Iftode A, Marti TD, Voicu M, **Simu S**, Haghese A, Borcan F, Motoc A. Evaluation of a Skin Carcinoma Xenograft Mice Model Supplemented by Chemical Immunosuppression. *Revista de Chimie*, 2017, vol 68, nr. 9: 2098 - 2101. WOS:000 416748800032. ISSN 0034-7752
3. Navolan D, Birsasteanu F, Carabineanu A, Cretu O, Badiu DL, Ionescu CA, Mehedintu Claudia, Vladareanu S, Craina M, Boia M, Ciohat I, Craciunescu M, **Simu S**, Nemescu D. Does active smoking influence the second trimester biochemical markers concentrations? *Revista de Chimie*, 2017, vol 68, nr. 10: 2234 - 2236. WOS:000416750000007. ISSN 0034-7752.
4. Navolan D, Ionescu CA, Carabineanu A, Birsasteanu F, Cretu O, Szasz F, Vladareanu S, Ciohat I, Gidea R, Nemescu D, Farcas S, Andreescu N, **Simu S**, Stoian D. Influence of weight of pregnant women on first trimester biochemical markers values. *Revista de Chimie*, 2017, vol 68, nr. 12, pp: 2836-2838. WOS:000423261900022, ISSN 0034-7752.
5. Szasz F, Levai C, Navolan D, Farcas S, Andreescu N, Birsasteanu F, Mehedintu C, Ionescu CA, Bohiltea R, Carabineanu A, Nemescu D, **Simu S**, Stoian D. Weight of Pregnant Women and their Influence on Second Trimester Biochemical Markers. *Revista de Chimie*, 2018, vol. 69, nr. 2: 529-532. WOS:000427327700050. ISSN 0034-7752.
6. Cheveresan A, Mioc M, **Simu S**, Soica C, Dehelean C, Szasz F, Navolan D, Poenaru M. Binding Affinity of 17-beta-ethinylestradiol to Normal and Mutant Types of Estrogen Receptors. *Revista de Chimie*, 2018, Volume: 69, Issue: 8, Pages: 2067-2070. ISSN 0034-7752.
7. Coricovac D, Farcas C, Nica C, Pinzaru I, **Simu S**, Stoian D, Soica C, Proks M, Avram S, Navolan D, Dumitru C, Popovici RA, Dehelean CA. Ethinylestradiol and Levonorgestrel as Active Agents in Normal Skin, and Pathological Conditions Induced by UVB Exposure: In Vitro and In Ovo Assessments. *Int. J Mol Sci*. 2018 Nov 14;19(11). pii: E3600. doi: 10.3390/ijms19113600. ISSN: 1422-0067
8. Moacă EA, Pavel IZ, Danciu C, Crăiniceanu Z, Minda D, Ardelean F, Antal DS, Ghiulai R, Cioca A, Derban M, **Simu S**, Chioibaș R, Szuhaneck C, Dehelean CA. Romanian Wormwood (*Artemisia absinthium* L.): Physicochemical and Nutraceutical Screening. *Molecules*. 2019 Aug 25;24(17):3087. doi: 10.3390/molecules24173087. PMID: 31450704; PMCID: PMC6749517.
9. Simu G, Atchana J, Soica CM, Coricovac DE, **Simu SC**, Dehelean CA. Pharmaceutical Mixtures: Still A Concern For Human And Environmental Health. *Curr Med Chem*. 2018 Nov 7. doi: 10.2174/0929867325666181108094222. ISSN: 0929-8673.
10. Șorop VB, Borugă VM, Pinzaru IA, Barac IR, Utescu C, Maghiari AL, Baderca F, Bălan L, Șorop-Florea M, Dumitrașcu V, Anastasiu DM, **Simu S**, Radu D, Suci O. Hormone treatment and UVB exposure influences on female mice regarding skin physiological parameters, biochemical parameters and organ histology. *Rom J Morphol Embryol*. 2020 Jul-Sep;61(3):879-887. doi: 10.47162/RJME.61.3.26. PMID: 33817729; PMCID: PMC8112757.
11. Maghiari AL, Coricovac D, Pinzaru IA, Macașoi IG, Marcovici I, **Simu S**, Navolan D, Dehelean C. High Concentrations of Aspartame Induce Pro-Angiogenic Effects in Ovo and Cytotoxic Effects in HT-29 Human Colorectal Carcinoma Cells. *Nutrients*. 2020 Nov 24;12(12):3600. doi: 10.3390/nu12123600. PMID: 33255204; PMCID: PMC7760274.
12. **Simu S**, Marcovici I, Dobrescu A, Malita D, Dehelean CA, Coricovac D, Olaru F, Draghici GA, Navolan D. Insights into the Behavior of Triple-Negative MDA-MB-231 Breast Carcinoma Cells Following the Treatment with 17β-Ethinylestradiol and Levonorgestrel. *Molecules*. 2021 May 8;26(9):2776. doi: 10.3390/molecules26092776. PMID: 34066763; PMCID: PMC8125870.

13. Pana, RD, Dehelean, C, Pinzaru, I, Marcovici, I, **Simu, S**, Crainiceanu, Z, Enache, A, Challenges and limitations in developing an animal model of epidermolysis bullosa acquisita: a minireview, *Farmacia*, 69, 4, 650-656, DOI 10.31925/farmacia.2021.4.4
14. **Simu S**, Ledeti A, Moacă EA, Păcurariu C, Dehelean C, Navolan D, Ledeti I. Thermal Degradation Process of Ethinylestradiol - Kinetic Study. *Processes*. 2022, 10, 1518. <https://doi.org/10.3390/pr10081518>