

Europass Curriculum Vitae



Personal information

First name(s) / Surname(s) **Raluca Oana Pop**
Address(es) E. Murgu Square 2, Timisoara, Romania
E-mail pop.raluca@umft.ro
Nationality Romanian

Work experience

Dates	From March 2025 - present
Occupation or position held	Professor
Main activities and responsibilities	Courses and laboratory classes at the discipline of "General and Inorganic Chemistry"
Name and address of employer	Faculty of Pharmacy, University of Medicine and Pharmacy "Victor Babes" Timisoara, Romania
Dates	From September 2015 to March 2025
Occupation or position held	Associate professor
Main activities and responsibilities	Courses and laboratory classes at the discipline of "General and Inorganic Chemistry"
Name and address of employer	Faculty of Pharmacy, University of Medicine and Pharmacy "Victor Babes" Timisoara, Romania E. Murgu Square 2, 300041 Timisoara, Romania
Dates	From February 2014 to September 2015
Occupation or position held	Lecturer
Main activities and responsibilities	Courses and laboratory classes at the discipline of "General and Inorganic Chemistry"
Name and address of employer	Faculty of Pharmacy, University of Medicine and Pharmacy "Victor Babes" Timisoara, Romania
Dates	From February 2013 to February 2014
Occupation or position held	Assistant Professor
Main activities and responsibilities	Laboratory classes at the discipline of "General and Inorganic Chemistry"
Name and address of the employer	Faculty of Pharmacy, University of Medicine and Pharmacy "Victor Babes" Timisoara, Romania
Dates	From September 2008 to February 2013
Occupation or position held	Scientific researcher III
Main activities and responsibilities	Research activities in organic and natural compounds chemistry
Name and address of employer	National Institute of Research and Development for Electrochemistry and Condensed Matter, 144 A. P. Podeanu Street, 300569, Timisoara, Romania

Education and Training

Dates October 2004 – June 2010
Name and type of organisation providing education and training University "Politehnica" of Timisoara, Faculty of Industrial Chemistry and Environmental Engineering
Level in national or international classification PhD

Dates From October 2004 to July 2005
Name and type of organisation providing education and training University "Politehnica" of Timisoara, Faculty of Industrial Chemistry and Environmental Engineering
Level in national or international classification MSc

Dates From October 1999 to June 2004
Name and type of organisation providing education and training University "Politehnica" of Timisoara, Faculty of Industrial Chemistry and Environmental Engineering
Level in national or international classification BSc

Personal skills and competences

Mother tongue(s) Romanian

Other language(s) English, French, German

Self-assessment
European level ()*

English

French

German

Understanding		Speaking		Writing	
Listening	Reading	Spoken interaction	Spoken production		
C1	C1	B2	B2	C1	
B2	B2	B1	B1	B2	
B1	B1	A2	A2	B1	

(*) [Common European Framework of Reference for Languages](#)

Computer skills and competences Handle the usual working conditions of computers in laboratories (MS Office, Acrobat) and softwares of computational chemistry (Gaussian, MOPAC, HyperChem, Spartan, ADF).

ISI-indexed papers (10 papers)

1. **R. Pop**, A. Căta, I.M.C. Ienașcu. Theoretical Evaluation of the Properties of Nitrogen-Doped C₂₄ Fullerenes and Their Interactions with Two Adamantane-Derived Antivirals. *Chemistry* 2023, 5(4), 2376-2391
2. **R. Pop**, J. van Staden. Theoretical Evaluation of the Interactions between Metal-Phthalocyanines and Various Fullerenes as Delivery Systems. *Chemistry-Switzerland* 2022, 4(3), 1016-1027
3. **R. Pop**, A. Căta, M. Ștefănuț, I.M. Ienașcu, A computational study of the interactions between anthocyanins and cyclodextrins, *Z. Naturforsch., C* 2020, 75(11-12), <https://doi.org/10.1515/znc-2020-0072>.
4. **R. Pop**, D. Janezic, **Interactions of Indomethacin with Functionalized Rhombellanes – a Molecular Docking Study**, *Croat. Chem. Acta* 2019, 92(4), 503-509.
5. **R. Pop**, **Evaluation of the Radical-Scavenging Properties of Various Flavonols in Ethanol Environment: an ab initio Study**, *Croat. Chem. Acta* 2019, 92(3), 337-346.
6. Mircea V. Diudea, Atena Pirvan-Moldovan, **Raluca Pop**, Mihai Medeleanu, Energy of graphs and remote graphs, in hypercubes, rhombellanes and fullerenes, *MATCH Commun. Math. Comput. Chem*, 2018, 80(3), 835-852.
7. Mihaiela Andoni, Mihai Medeleanu, Mariana Ștefănuț, Adina Căta, Ioana Ienașcu, Cristian Tanasie, **Raluca Oana Pop***, Theoretical determination of the redox electrode potential of cyanidin. **2016**, *J. Serb. Chem. Soc.* 81(2), 177–186.
8. **R. Pop**, M. Medeleanu, J. van Staden, M. Diudea, Theoretical Studies Regarding the Aromaticity of Some Non-Planar Circulenes. *Zeitschrift für Physikalische Chemie* **2016**, 230(2), 285-296.
9. **R. Pop**, M. Ilici, M. Andoni, V. N. Bercean, C. Muntean, M. M. Venter, I. Julean, „Theoretical considerations regarding the thione-thiol tautomerism in 2-(5-mercapto-1,3,4-thiadiazol-2-ylthio)acetic acid”, *Acta Chim. Slov.* **2015**, 62(1), 8-14.
10. **R. Pop**, J. Van Staden, M. Diudea, „Nitrogen-containing coronenes: theoretical evaluation of the influence of aza-substitution on their aromaticity”, *Z. Naturforschung A* **2015**, DOI 10.1515/zna-2014-0318.

Book chapters

1. Mihai V. Putz, Ottorino Ori, Mircea V. Diudea, Beata Szeffler, **Raluca Pop (2016)**. *Bondonic Chemistry: Spontaneous Symmetry Breaking of the Topo-reactivity on Graphene. Distance, Symmetry, and Topology in Carbon Nanomaterials*, pp.345-389, Editors: Ashrafi, Ali Reza, Diudea, Mircea V., ISBN 978-3-319-31584-3, Springer.
2. Ionel Balcu, Corina Amalia Macarie, Adina-Elena Segneanu and **Raluca Oana Pop (2011)**. *Combined Microwave-Acid Pretreatment of the Biomass*, Progress in Biomass and Bioenergy Production, Syed Shahid Shaukat (Ed.), ISBN: 978-953-307-491-7, InTech.
3. Mirela Ioana Iorga, **Raluca Pop**, Marius Constantin Mirica and Doru Buzatu (2012). *Methods for the Enhancement of Mass Transport at the Recovery of Metal Ions from Hydroelectrometallurgical Processes*, Recent Researches in Metallurgical Engineering - From Extraction to Forming, Mohammad Nusheh, Horacio Garza Ahuett and Alejandro Arrambide (Ed.), ISBN: 978-953-51-0356-1, InTech.
4. Ion Neda, Paulina Vlazan, **Raluca Oana Pop**, Paula Sfarloaga, Ioan Grozescu and Adina-Elena Segneanu (2012). *Peptide and Amino Acids Separation and Identification from Natural Products*, Analytical Chemistry, Dr. Ira S. Krull (Ed.), ISBN: 978-953-51-0837-5, InTech, DOI: 10.5772/51619.

Books

1. **R. Pop**, M. Andoni. Practical laboratory for general and inorganic chemistry. Ed. V. Babeş Timișoara, **2023**, ISBN 978-606-786-311-6.
2. **R. Pop**, M. Andoni. General chemistry course for pharmacy students. Ed. V. Babeş Timișoara, **2023**, ISBN 978-606-786-310-9.
3. M. Andoni, **R. Pop**. Chimie inorganique. Notes de cours. Ed. V. Babeş Timișoara, **2022**, ISBN 978-606-786-278-2.
4. **R. Pop**, M. Andoni. Curs de chimie generală pentru studenții farmaciști. Editura Victor Babeş, Timișoara, 2021.
5. **R. Pop**. Chimie anorganică. Note de curs. Ed. Victor Babeş, Timișoara, 2019.
6. **R. Pop**, M. Andoni. Lucrări practice de Chimie Generală și Anorganică. Ed. Victor Babeş, Timișoara, 2015

Research projects

1. **PN-II-RU-PD-2012-3-0102** (PD 34/2013) Fullerenes and their precursors as building blocks for nanomaterials (project leader)
2. PN-II-ID-PCE-2011-3-0856; contract no. 341/2011: Immunomodulante fluoroglycopeptide molecular architectures (member).
3. PNCDI II, contract no. 52145/2008: Hypoglycemic and antioxidant food supplements with anthocyanidine structures (member).
4. PNCDI II, contract no. 22101/2008: Monitoring autonomous station with applications in photovoltaic energy field and the protection of the environment (member).
5. PNCDI II, contract no. 32129/2008: Studies regarding the obtaining of reactive organic carbonates with nucleofuge group, with applications in the dipeptide synthesis (member).
6. PNCDI II, contract no. 21077/2007: Biofuels obtained by use of cellulosic waste in an integrated chemical-enzymatic system (member).

Timișoara
08.04.2025