



Europass Curriculum Vitae

Personal information

First name(s) / Surname(s) **OLGA IULIAN**

Address(es) Professional: Department of Inorganic Chemistry, Physical Chemistry and Electrochemistry, Faculty of Applied Chemistry and Materials Science, Politehnica University, 1-7 Polizu str., 011061, Bucharest

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Nationality Romanian

Occupational field Chemistry and Chemical Engineering

Work experience Emeritus professor, PhD, chemistry

in: **University POLITEHNICA Bucharest**, Dept. Inorganic Chemistry, Physical Chemistry and Electrochemistry, Lab. Applied Physical Chemistry and Electrochemistry.

Dates Since 2012 / 2012-1993 / 1993-1990 / 1990-1981 / 1981-1967

Occupation or position held **Professor emeritus / professor / assoc. professor / lecturer / university assistant**

Main activities and responsibilities Teaching, courses delivering in Romanian and French (Physical Chemistry, Physico-chemical properties of fluids, Thermodynamic of solutions) , Research, Ph. D. Advisor, Activity in Standardisation Technical Committee 58 Metrology(ASRO).

Name and address of employer POLITEHNICA University of Bucharest, Faculty of Applied Chemistry and Materials Science, 1-7 Polizu str., 011061 Bucharest.

Type of business or sector Chemistry and Chemical Engineering Education

Education and training

Dates 1993/ 1971-75/ 1962-67/1967

Title of qualification awarded **Visiting Professor, Univ. Catholique Louvain la Neuve/ Ph. D. Stage and Ph.D. Diploma in Chemical Engineering, Politehnica University of Bucharest/ Chemical Eng. Diploma, Politehnica University of Bucharest.**

Principal subjects/occupational skills covered Teaching and research; Physical Chemistry researcher in Chemical thermodynamic, non-electrolyte and electrolyte mixtures, physico-chemical properties -experimental determinations and modelling, Structure-property correlation - thermodynamic and statistical approach.

Name and type of organisation providing education and training Politehnica University of Bucharest
Univ. Catholique Louvain la Neuve

Level in national or international classification	Highest level in Romania																				
Personal skills and competences																					
Mother tongue(s)	Romanian																				
Other language(s)																					
Self-assessment																					
European level (*)																					
Language																					
Language																					
	<table border="1"> <thead> <tr> <th colspan="2">Understanding</th> <th colspan="2">Speaking</th> <th>Writing</th> </tr> <tr> <th>Listening</th> <th>Reading</th> <th>Spoken interaction</th> <th>Spoken production</th> <th></th> </tr> </thead> <tbody> <tr> <td>French</td> <td>C1</td> <td>C1</td> <td>C1</td> <td>C1</td> </tr> <tr> <td>English</td> <td>B2</td> <td>C2</td> <td>B1</td> <td>C2</td> </tr> </tbody> </table>	Understanding		Speaking		Writing	Listening	Reading	Spoken interaction	Spoken production		French	C1	C1	C1	C1	English	B2	C2	B1	C2
Understanding		Speaking		Writing																	
Listening	Reading	Spoken interaction	Spoken production																		
French	C1	C1	C1	C1																	
English	B2	C2	B1	C2																	
	Niveluri: A1/A2: Utilizator elementar - B1/B2: Utilizator independent - C1/C2: Utilizator experimentat (*) <i>Common European Framework of Reference for Languages</i>																				
Social skills and competences	Member in Societies : Romanian Chem. Soc., EUCHEM, EURACHEM, Chemical Engineering Soc, AUPELF(1993-2000) , EFSA's Expert Database (EDB), Member in Standardisation Technical Committee 58 Metrology(ASRO)																				
Academic and research interests	Published : 9 books, over 120 papers in scientific national and international journals like: J. Chem.Eng. Data, J. Chem. Thermodynamics, J. Solution Chem., Phys. Chem. Liquids, Renewable Energy , Fuel, Energy Procedi, J.Serbian Chem.Soc, Hung. J. Chem. Eng., ELDATA, Rev. Roum. Chim., J. Optoelectron Adv. M, Revista de Chimie. Director at more than 15 research projects, member in teams for 40 research projects. 10 Ph. D. Theses as advisor. 2 Ph. D students																				
Technical skills and competences	Teaching in chemistry. Advisor for PhD students and young researchers. Advisor for dissertations of master students and diploma works for students at license level.																				
Computer skills and competences	Usual software																				
Artistic skills and competences																					
Other skills and competences	Referee for national and international chemical journals .National and European expert for scientific projects evaluation.																				
Additional information																					

Publication (selective):

1. R.M. Frincu, C.Omocea, C.Eni, M.E. Ungureanu, O. Iulian, *Seasonality and Correlations between Water Quality Parameters in the Lower Danube at Chiciu for the Period 2010-2012*, **Rev. Chim.**, vol. **71(2)**, 2020, pp. 449-455, FI-1.755

2. R.M. Frîncu, O. Iulian, *LongTerm Trends of Oxygen Parameters in the Lower Danube (1996-2014)*, International Conference CHIMIA 2018 "New trends in applied chemistry", 24-26 May 2018, Constanta, Romania, Book of Abstracts, pp. 53, ISSN 2360-3941
3. I. Niță, S. Osman, O. Iulian and G.-R. Sandu, *Density of Ternary Blends with Biodiesel, Diesel Fuel and isopropanol at different temperatures*, **Rev. Chim.** Bucharest, vol. 69, no. 12, 2018, pp. 3410-3415. ISSN 0034-7752, IF 2016/2017:1.232. WOS:000458533800016
4. I. Niță, G.-R. Sandu, S. Osman, O. Iulian, E. Stepan, *Viscosity of ternary blends with biodiesel, diesel fuel and isopropanol at different temperatures*, **Rev. Chim.** (Bucharest), 2018, vol. 69, no. 8, pp. 2019-24, ISSN 0034-7752, IF 2016/2017:1.232.
5. R.M. Frîncu, O. Iulian, *Organic pollution in the Lower Danube and Romanian Tributaries (1996-2014)*, 20th Romanian Int. Conf. on Chem. and Chem. Engineer, RICCE, 2017, 6-9 Sept. 2017, Poiana Brasov, Romania.
6. Stefaniu, A., Iulian, O., Brasoveanu, T.M., Lupescu, I., Amino acids in NaCl aqueous solutions at 298.15 K: Volumetric analysis and computed molecular descriptors, *U.P.B. Sci. Bull., Series B*, vol. 79, no. 1, 2017, pp. 37-44, ISSN 1454-2331
7. O. Ciocirlan, O. Croitoru, O. Iulian, *Viscosity of binary mixtures of 1-ethyl-3-methylimidazolium tetrafluoroborate ionic liquid with four organic solvents*, **J. Chem. Thermodynamics**, 2016, 101, pp. 285-292 IF 2.196.
8. R.M. Frîncu, O. Iulian, "Trends in Nutrients concentrations in the Lower Danube (1996-2012)", International Symposium: Priorities of Chemistry for a Sustainable Development -PRIOCHEM, ed. XII, 27-28 Oct. 2016, Bucharest, Book of Abstracts, pp. 71, ISSN 2285 8334.
9. I. Niță, O. Iulian, E. Geacai, S. Osman, *Physico-chemical properties of the pseudo-binary mixture gasoline + 1-butanol*, **Energy Procedia**, 2016, vol. 95, pp. 330 – 336, ISSN: 1876-6102, IF 1.07.
10. I. Nita, E. Geacai, S. Osman, O. Iulian, "Volumetric Properties of Pseudo-Binary and Ternary Mixtures with Biodiesel", **Rev. Chim** (Bucharest), 2016, vol. 67, no. 9, pp. 1763-1768, ISSN 0034-7752, IF: 0.956.
11. S. Geacai, O. Iulian, Irina Nita, *Measurement, correlation and prediction of biodiesel blends viscosity*, **Fuel**, 2015, 143, pp. 268-274, ISSN: 0016-2361, IF=3.52.
12. O. Iulian., Stefaniu, A., *Volumetric and viscometric analyses for L-glutamic acid in NaCl aqueous solutions at different temperatures*, **J. Solution Chem.** 2013, vol. 42, 3, pp. 676 – 689, IF=1.128
13. A. Stefaniu, O. Iulian, *Investigations of the properties of L-histidine in aqueous NaCl solutions at different temperatures*, **J. Solution Chem.**, 2013, vol. 42, nr. 12, pp 2384-2398, IF=1.128
14. N. Ouerfelli, Z. Barhoumi, Z., O. Iulian, *Viscosity Arrhenius activation energy and derived partial molar properties in 1,4-dioxane + water binary mixtures from 293.15 to 323.15 K*, **J. Sol. Chem.**, 2012, 41 (3), pp. 458-474.
15. N. Ouerfelli, O. Iulian, R. Besbes, Z. Barhoumi & N. Amdouni, *On the validity of the correlation – Belda equation for some physical and chemical properties in 1,4-dioxane + water mixtures*, **Phys. Chem. Liquids**, 2012, 50:1, 54-68.
16. O. Iulian, O. Ciocirlan, *Volumetric Properties of Binary Mixtures of Two 1-Alkyl-3-Methylimidazolium Tetrafluoroborate Ionic Liquids with Molecular Solvents*, **J. Chem. Eng. Data**, 2012, 57 (10), 2640-2646
17. O. Ciocirlan, O. Iulian, *Properties of pure 1-butyl-2,3-dimethylimidazolium tetrafluoroborate ionic liquid and its binary mixtures with dimethyl sulfoxide and acetonitrile*, **J. Chem. Eng. Data**, 2012, 57 (11), 3142-3148
18. I. Nita, S. Geacai, O. Iulian, *Measurements and correlations of physico-chemical properties to composition of pseudo-binary mixtures with biodiesel*, **Renewable Energy**, 2011, vol. 36, pp. 3417-3423.
19. O. Iulian, C. Stoicescu, and R. Isopescu, *Liquid-Liquid Phase Equilibria of 1-Propanol + Water + n-Alcohol Ternary Systems at 298.15 K and Atmospheric Pressure*, **J. Chem. Eng. Data.**, 2011, 56, 3214-3221
20. F. Sirbu, O. Iulian, A.C. Ion, and I. Ion, *Activity Coefficients of Electrolytes in the NaCl + Na₂SO₄ + H₂O Ternary System from Potential Difference Measurements at (298.15, 303.15, and 308.15) K*, **J. Chem. Eng. Data**, 2011, 56, 4935-4943.
21. C. Stoicescu, O. Iulian and R. Isopescu, *Liquid – liquid phase equilibria of (1-propanol + water + n-alcohol) ternary systems at 294.15 K. i. 1-propanol + water + 1-butanol or 1-pentanol or 1-hexanol*, **Rev. Roum. Chim.**, 2011, 56(5), 553-560.

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emeritus prof. Ph.D. eng. Olga Iulian