



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

Telephone(s) 0040 021 402 3855

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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 Expert in teaching and research, Physical Chemistry researcher in Chemical thermodynamic, non-electrolyte and electrolyte solutions, physico-chemical properties - experimental determinations and modeling.

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

		Understanding		Speaking		Writing	
		Listening	Reading	Spoken interaction	Spoken production		
French	C1		C1		C1		C1
English	B2		B2		B1		C2

Niveluri: A1/A2: Utilizator elementar - B1/B2: Utilizator independent - C1/C2: Utilizator experimentat
(*) Common European Framework of Reference for Languages

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)

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 licence level.

Computer skills and competences

Usual softwares.

Artistic skills and competences

Other skills and competences

Referee for national and international chemical journals .Expert for scientific projects evaluation.

Additional information

Published : 9 books, over120 papers in scientific national and international journals, Director at more than 15 research projects, member in teams for 40 research projects. 12 Ph. D. Theses as advisor. 1 Ph. D student.

Publication (selective):

1.M. Brnzei, A. Stefaniu, **O.Iulian**, O. Ciocirlan, *Molecular interactions of two biologically active molecules (L-serine and L-valine) in aqueous [Hmim]Cl solutions: Volumetric and viscometric approach*, **J.Mol. Liq.**, 2021, Vol. 34, pp.116912- 116915, IF=6.165

2.M. Brnzei, A. Stefaniu, **O. Iulian**, O. Ciocirlan, *Density functional theory (DFT) and thermodynamics calculations of amino acids with polar uncharged side chains*, **Chem. Proc.** 2021, 3, 56, <https://doi.org/10.3390/ecsoc-24-08420>. IF= 3.623.

3.A. Stefaniu, **O. Iulian**, M. Brnzei, O. Ciocirlan, *Refractive index, molar refractivity and polarizability of L-glutamic acid an L-Histidine in water and aqueous NaCl solutions at different temperatures: experimental and computational approach*, U.P.B. Sci. Bull., 2022, Serie B, Vol. 84, Iss. 2, ISSN 1454-2331.

4. R.M. Frincu, **O. Iulian**, *Impact of Bucharest Wastewater on Dambovită River Water Quality (2010-2015)*, **Carpathian Journal of Earth and Environmental Sciences**, 2021, Vol. 16(1), pp. 47 – 58, ISSN 1842 – 409, IF=1.307.
5. 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.**, 2020, vol. 71(2), pp. 449-455, ISSN 0034-7752.
6. 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.
7. 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.
8. 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.
9. S. Geacai, **O. Iulian**, I. Nita, *Measurement, correlation and prediction of biodiesel blends viscosity*, **Fuel**, 2015, 143, pp.268-274, ISSN: 0016-2361, IF=3.52 .
10. 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.
11. **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
12. 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
13. 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. Solution Chem.**, 2012, 41 (3), pp. 458-474.
14. 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.
15. **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
16. 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
17. 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.
18. **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
19. 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.
20. 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.