



## 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.  
10 Ph. D. Theses as advisor. 3 Ph. D students.

Publication (selective):

1. 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.
- 2.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.
3. 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.

- 4.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 .
- 5.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.
7. **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
8. 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
9. 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.
10. 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.
- 11.**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
12. 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
13. 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.
14. **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
15. 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.
16. 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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prof.emerit dr.ing.Olga Iulian

