



## Europass Curriculum Vitae

### Personal information

First name / Surname **DANA ORTANSA DOROHOI**  
Address Cucu 26 , Iași, România  
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E-mail danadorohoi@yahoo.com  
Nationality Romanian  
Date of birth June 16th 1945  
Gender female

### Desired employment / Occupational field

#### Work experience

Dates 1968-2013  
Occupation or position held PhD in Physics  
Main activities and responsibilities Professor Emeritus  
Name and address of employer Alexandru Ioan Cuza University , Iasi  
Type of business or sector Physics  
Dates 1968-2016  
Occupation or position held Engaged in different didactical positions at Faculty of Physics, with over 30 research projects resolved as member of the research team, or ad project director (5projects)  
Main activities and responsibilities Professor for doctoral activities of 30 PhD students.  
Name and address of employer Associate professor of Alexandru Ioan Cuza University  
Type of business or sector Researches in Spectroscopy

### Education and training

Dates 1963-1968  
Title of qualification awarded **Graduated in Physics**  
Principal subjects/occupational skills covered 1970-1976 Graduated in Mathematics

Name and type of organisation providing education and training  
Level in national or international classification

Dates 1972-1977

Title of qualification awarded **Doctor in Physics; Optics and Spectroscopy  
s Degree in Medical Sciences**

Principal subjects/occupational skills covered

Name and type of organisation providing education and training Alexandru Ioan Cuza University, Iasi

Level in national or international classification Doctorate studies  
The PhD degree is recognised internationally

Level in national or international classification Postgraduate studies, internationally recognised

**Personal skills and competences**

Mother tongue(s) **Romanian**

Other language(s)

Self-assessment  
*European level (\*)*

**English**  
**French**

Understanding				Speaking				Writing	
Listening		Reading		Oral interaction		Oral production			
C1	Experienced user	C1	Experienced user	B1	independent	B1	independent	B1	independent
B1	independent	B1	independent	B1	independent	B1	independent	B1	independent

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

Social skills and competences Good organizer, inter-disciplinary communication based on feed-back

Organisational skills and competences Organizing staff meetings, theoretical and practical classes

**Additional information** References: Prof. Dr. Roxana Chirita (Faculty of Dental Medicine, University of Medicine and Pharmacy "Gr. T. Popa", Iasi) and other specialists in the field

## Annexes

### Certificates, diplomas, attestations

16 carti si capitol de carte in edituri interne si interantionale si peste 150 de lucrari stiintifice indexate ISI si de baze international de date

Unele au legatura cu subiectul proiectului:

1. D.C. Nechifor, C.B. Zelinschi, D.O. Dorohoi, Spectral studies of Donepezil release from stretched PVA polymer foils, *J. Molecular Structure*, 1044 (2013) 262-267;
2. I.A. Barzic, I. Stoica, N. Fifere, M. Dragomir, C. Hulubei, D.O. Dorohoi, V. Harabagiu, Transparency and absorption edges of disiloxane modified copolyimide, *J. Molecular Structure*, 1044, 2013, 206-214;
3. I. Hurjui, A. Neamtu, D.O. Dorohoi, The interaction of fluorescent DPH probes with unsaturated phospholipid membranes. A molecular dynamics study, *J. Molecular Structure*, 1044, 2013, 134-139;
4. D. Grebinisan, M. Burlea, C. Cheptea, V. Sunel, Optimization reaction for obtaining some N-[p-R-benzy]-L-glutamide derivatives with pharmaceutical action, *DJNB*, 8(2) 2013 777-785;
5. C.B. Zelinschi, D.O. Dorohoi, In vitro release of BPMDMHI included in PVA matrices, *Rev de Chimie*, 63 (8) 2012 811-814;
6. C. Nadejde, D.E. Creanga, D.E. Humelnicu, E. Filip, D.O. Dorohoi, Study of intermolecular interactions in rifampicin ternary solutions calculation of microscopic parameters of rifampicin molecules, *J. Molecular Liquids*, 150 (3), 20091-3 51-55.

## Articles and books published

1. V. Closca, N. Melniciuc Puica, **A.C. Benchea**, D.O. Dorohoi, Intermolecular interactions in ternary solutions of some 1,2,4-triazolium ylids studied by spectral means, *Proceedings SPIE*, 9286 (2014), art. 92862T, <http://dx.doi.org/10.1117/12.2063764>, (publicata).
2. **A.C. Benchea**, V. Closca, C.M. Rusu, C. Morosanu, D.O. Dorohoi, Electro-optical parameters in excited states of some spectrally active molecules, *Proceedings SPIE*, 9286 (2014), art. 928649, <http://dx.doi.org/10.1117/12.2063773>, (publicata).
3. **A.C. Benchea**, D. Babusca, D.G. Dimitriu, D.O. Dorohoi, Quantum Mechanical and Absorption Spectral Characterization of Rhodamine B in Ternary Solution, *Analytical Letters*, 2016, VOL. 49, No. 16, 2606–2614, <http://dx.doi.org/10.1080/00032719.2016.1138963>, (publicata).
4. D. Babusca, **A.C. Benchea**, D.G. Dimitriu, D.O. Dorohoi, Solvatochromic Characterization of Sudan Derivatives in Binary and Ternary Solution, *Analytical Letters*, 2016, VOL. 49, No. 16, 2615–2626, <http://dx.doi.org/10.1080/00032719.2016.1152275>, (publicata).
5. C. Rosca, **A.C. Benchea**, V. Sunel, D. Sutiman, D.O. Dorohoi, C.B. Zelinschi, C. Stan, C. Cheptea, Spectral and quantum-mechanical characterizations and biological activity of N-(p-nitrobenzoyl)-L-phenylalanine, *Revista de Chimie*, Iunie 2016, Vol. 67, nr. 6, 1062-1067.
6. **A.C. Benchea**, D. Babusca, D.G. Dimitriu, D. O. Dorohoi, Quantum-mechanical study and spectral analysis on some derivatives of rhodamine in solutions, *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, 2016, <http://dx.doi.org/10.1016/j.saa.2016.04.027>.
7. *Solvatochromic Study on Chlortetracycline in Binary and Ternary Solutions*

**Oanca, G.**<sup>a</sup>, C. Nadejde<sup>a</sup>, N. Fifere<sup>b</sup>, A. Gritco Todirascu<sup>a</sup>, D. Creanga<sup>a</sup>, D. Dorohoi<sup>a</sup>, Jernej Stare<sup>c</sup>  
*Journal of Molecular Structure*, From Molecules to Molecular Materials, Biological Molecular Systems and Nanostructures A Collection of Contributions Presented at the XIIIth International Conference on Molecular Spectroscopy, 1126 (December 15, 2016): 177–85

<http://dx.doi.org/doi:10.1016/j.molstruc.2015.12.066>

8. *Substituent Influence on the Spectra of Some Benzof[quinoline Derivatives*

**Oanca, Gabriel**<sup>a</sup>, Jernej Stare<sup>b</sup>, Antonina Gritco Todirascu<sup>a</sup>, Dorina Creanga<sup>a</sup>, Dana Ortansa Dorohoi<sup>a</sup>  
*Journal of Molecular Structure*, From Molecules to Molecular Materials, Biological Molecular Systems and Nanostructures A Collection of Contributions Presented at the XIIIth International Conference on Molecular Spectroscopy, 1126 (December 15, 2016): 158–64.  
<http://dx.doi.org/doi:10.1016/j.molstruc.2016.03.072>

9. Daniela Babusca and Dana Ortansa Dorohoi, **Solvent Scales Used to Study the Intermolecular Interactions in Binary Solutions of Two p-aryl-Pyridaziniu methylids**, *Spectrochimica Acta Part A*, 152 (2016) 149-155
10. Daniela Babusca, Cezarina Morosanu, Dana Ortansa Dorohoi, **Spectral Study of Specific Interactions Between Zwitterionic Compounds and Protic Solvents**, *Spectrochimica Acta A*, *In Press, Corrected Proof*, 2016
11. Andreea-Celia Benchea, Daniela Babusca, Dan Gheorghe Dimitriu, Dana Ortansa Dorohoi, **Quantum-Mechanical Study and Spectral Analysis on Some Derivatives of Rhodamine in Solutions**, în *Spectrochimica Acta A*, *In Press, Corrected Proof*, 2016
12. Daniela Babusca, Andreea Celia Benchea, Dan Gheorghe Dimitriu & Dana Ortansa Dorohoi (2016): **Solvatochromic Characterization of Sudan Derivatives in Binary and Ternary Solution**, *Analytical Letters*, 2016, VOL. 49, NO. 16, 2615–2626  
<http://dx.doi.org/10.1080/00032719.2016.1152275>
13. Andreea Celia Benchea, Daniela Babusca, Dan Gheorghe Dimitriu, Dana Ortansa Dorohoi, **Quantum Mechanical and Absorption Spectral Characterization of Rhodamine B in Ternary Solution**, *Analytical Letters*, 2016, VOL. 49, NO. 16, 2606–2614  
<http://dx.doi.org/10.1080/00032719.2016.1138963>
14. Daniela Babusca, Carmen Beatrice Zelinschi, Dana Ortansa Dorohoi, **Intermolecular Interactions in Binary Solutions of 3-(p-cumyl)-pyridazinium-benzoyl-2,4,6 picryl methylid (CPBPM) Described by Catalan's parameters**, *REV.CHIM.(Bucharest)*, 67, No. 5, 876-879, 2016
15. V. Cloșcă, C.B. Zelinschi, D. Băbușcă, D.O. Dorohoi, **Solvent Empirical Scales for Electronic Absorption Spectra**, *Ukr. J. Phys.*, 2014, Vol 59, No.3, 226-232.