

Europass Curriculum Vitae



Personal information

First name(s) / Surname(s) **DUMITRASCU Florea**
Telephone(s) 0213167900
E-mail fdumitra@yahoo.com
Date of birth 8 June 1952

Work experience

Dates	1976-1980
Occupation or position held	Chemist
Main activities and responsibilities	Drugs Synthesis
Name and address of employer	Intreprinderea de Medicamente (Drugs Factory), Bucharest
Type of business or sector	Pharmaceuticals
Dates	1980-1990
Occupation or position held	Researcher
Main activities and responsibilities	Fine Organic Syntheses
Name and address of employer	Center for Organic Chemistry "C.D. Nenitzescu" Romanian Academy
Type of business or sector	Research, Education
Dates	1991-1998
Occupation or position held	Researcher CP III
Main activities and responsibilities	Fine Organic Syntheses
Name and address of employer	Center for Organic Chemistry "C.D. Nenitzescu" Romanian Academy
Type of business or sector	Research, Education
Dates	1999-2004
Occupation or position held	Researcher CP II
Main activities and responsibilities	Fine Organic Syntheses
Name and address of employer	Center for Organic Chemistry "C.D. Nenitzescu" Romanian Academy
Type of business or sector	Research, Education
Dates	2004-present
Occupation or position held	Researcher CP I
Main activities and responsibilities	Fine Organic Syntheses
Name and address of employer	Center for Organic Chemistry "C.D. Nenitzescu" Romanian Academy
Type of business or sector	Research, Education
Dates	2000-2003
Occupation or position held	Associate Professor
Main activities and responsibilities	Course of Drugs design and synthesis
Name and address of employer	University of Bucharest, Faculty of Chemistry, 90-92 <i>Panduri</i> St., Bucharest, Romania

Type of business or sector
Education and training

Educational

Dates May 1981- September 1994

Title of qualification awarded

Ph. D.

Principal subjects/occupational skills covered

Organic Chemistry

Name and type of organisation providing education and training

Center for Organic Chemistry C. D. Nenitescu, Romanian Education Ministry, The Chemical Science Section of Romanian Academy,

Level in national or international classification

6

Dates 1975-1976

Title of qualification awarded

Specialist in Organic Chemistry

Principal subjects/occupational skills covered

Organic Chemistry
Fine Organic Syntheses

Name and type of organisation providing education and training

Polytechnic Institute "Gheorghe Asachi", Iasi, Romania

Level in national or international classification

6

Dates October 1971- May 1975

Title of qualification awarded

Chemist

Principal subjects/occupational skills covered

Organic Chemistry

Name and type of organisation providing education and training

Polytechnic Institute "Gheorghe Asachi", Iasi, Romania

Level in national or international classification

5

Personal skills and competences

Mother tongue(s)

Romanian

Other language(s)

Self-assessment
European level ()*

English

Russian

Understanding		Speaking		Writing	
Listening	Reading	Spoken interaction	Spoken production		
Good	Excellent	Good	Good	Excellent	
Fair	Fair	Average	Average	Fair	

(*) *Common European Framework of Reference for Languages*

Organisational skills and competences

Good organizing skills regarding the activities of working and documentation in the domain of competence
Participation on 3 national grants in quality of Project Manager
Participation on 8 national grants as team member
Diploma advisor and thesis advisor for an important number of undergraduate students or Ph. D. students

Technical skills and competences	<p>Organic Chemistry: Fine Organic syntheses, 3+2 Cycloaddition reactions as a tool for synthesis of new N-heterocycle systems and various derivatives of condensed heterocycles Multicomponent reactions Combinatorial chemistry Green chemistry and sustainable chemistry Reaction mechanisms (regio- and stereoselectivity of cycloaddition reactions) and intermediates in 1,3-dipolar cycloaddition of N-ylides, sydrones Stereochemistry and chirality of organic compounds: Axial chirality of N-arylpyrazoles, N-arylpyrroles and N-arylsydrones. Helical chirality of azahelicenes Physical-Chemistry: NMR spectroscopy, UV-Vis fluorescence Liquid Crystals</p>
Computer skills and competences	<p>Operating systems: Windows Microsoft Office (Word, Excel, PowerPoint) Internet : Surfing (internet Explorer, Netscape, Opera, Mozilla)</p>
Other skills and competences	<p>Conferences and awards</p> <p>International conferences ICOSECS 6 Sofia, Bulgaria 2008 - oral presentation 47th Meeting of the Serbian Chemical Society Belgrad, Serbia 2009-poster presentation 16th European Symposium on Organic Chemistry (ESOC 16), Prague, Czech Republic ICOSECS 7 Bucharest, Romania 2010 - oral presentation</p> <p>Awards: Award of the Romanian Journal of Chemistry (Revista de Chimie) 2001</p>

Annexes Selective Publication List

Annexes 1

Over 110 ISI papers; h (index) = 16

1. F. Dumitraşcu, C. I. Mitan, C. Drăghici, M. T. Căproiu, D. Răileanu, "Primary cycloadducts of 1,10-phenanthroline and phthalazine with DMAD", *Tetrahedron Lett.* **2001**, 42(47), 8379.
2. F. Dumitraşcu, C. I. Mitan, D. Dumitrescu, C. Drăghici and M. T. Căproiu, "Steric effects on the sydrones reactivity. New halogenated sydrones and pyrazoles", *Arkivoc* **2002**, (ii), 80.
3. M. Iovu, Ch. Zălaru, F. Dumitraşcu, C. Drăghici, E. Cristea, "New substituted 2-(pyrazol-1-yl) dialkylacetanilides with potential local anaesthetic and antiarrhythmic action. Part II", *Il Farmaco* **2003**, 58, 301.
4. C. Zălaru, M. R. Caira, F. Dumitrescu, C. Drăghici, E. Cristea "Synthesis, spectroscopic, and X-ray structural characterization of pharmacologically active substituted pyrazolyl-acetanilides" *Struct. Chem.* **2009**, 20, 377-385.
5. F. Dumitraşcu, E. Georgescu, M. R. Caira, F. Georgescu, M. Popa, B. Drăghici and D. G. Dumitrescu "A Novel Approach for the Synthesis of N-Arylpyrroles", *Synlett*, **2009**, 3336-3340.
6. E. Georgescu, M. R. Caira, F. Georgescu, B. Drăghici, M. M. Popa, F. Dumitrescu "One-Pot, Three-Component Synthesis of a Library of New Pyrrolo[1,2-a]quinoline Derivatives" *Synlett* **2009**, 1795.
7. M. R. Caira, E. Georgescu, F. Georgescu, F. Albota, F. Dumitraşcu New contributions to synthesis of pyrrolo[2,1-a]phthalazines *Monat. Chem.*, **2011**, 142, 743-748.
8. Marilena Vasilescu, Rodica Bandula, Florea Dumitraşcu and H. Lemmetyinen, "Spectrophotometric Characteristics of New Pyridylindolizine Derivatives Solutions" *J. Fluoresc.* **2006**, 16, 631-639.
9. M. Vasilescu, R. Bandula, O. Cramariuc, T. Hukka, H. Lemmetyinen, T. T. Rantala, F. Dumitraşcu "Optical spectroscopic characteristics and TD-DFT calculations of new pyrrolo[1,2-b]pyridazine derivatives" *J. Photochem. Photobiol. Chemistry A* **2008**, 194, 308-317.
10. F. Dumitraşcu, D. G. Dumitrescu, I. Aron Azahelicenes and other similar tri and tetracyclic helical molecules *Arkivoc*, **2010**, (i), 1-32.
11. E. Georgescu, F. Georgescu, M. R. Caira, A. Nicolescu, C. Deleanu, M. G. Danilă, P. Filip, F. Dumitrescu "A new synthesis of pyrrolo[1,2-c]quinazoline from quinazolinium N-ylides; a re-investigation" *Arkivoc* **2009**, (xii), 232-241.

12. **F. Dumitraşcu**, M. R. Caira, B. Drăghici, M. T. Căproiu, D. G. Dumitrescu "A Novel Approach for the Synthesis of Highly Fluorescent Pyrrolo[1,2-b]pyridazines" *Synlett* **2008**, 813-816.
13. **F. Dumitraşcu**, M. T. Căproiu, F. Georgescu, B. Draghici, M. M. Popa, E. Georgescu „New Pyrrolo[2,1-a]phthalazine Derivatives by One-Pot Three Component Synthesis" *Synlett* **2010**, 2407-2010
14. **F. Dumitraşcu**, M. R. Caira, C. Drăghici, M. T. Căproiu, A. Bădoiu, "1,3-Dipolar Cycloaddition Reactions of 1-(4-phenylphenacyl)-1,10-phenanthroline *N*-Ylide with Activated Alkynes and Alkenes", *Molecules* **2005**, *10*, 321.
15. **F. Dumitraşcu**, D. G. Dumitrescu "Pyrrolo[1,2-b]pyridazines. A Revisit" *Arkivoc* **2008**, (i), 232-270.
16. M. Iliş, M. Bucos, **F. Dumitraşcu**, V. Cîrcu Mesomorphic behaviour of N-benzoyl-N0-aryl thioureas liquidcrystalline compounds *J. Mol. Struct.* **2011**, *987*, 1–6.
17. V. Cîrcu, **F. Dumitraşcu** „Dinuclear ortho-Metallated Palladium(II) Complexes with Acetato and Chloro Bridges as Liquid Crystals" *Mol. Cryst. Liq. Cryst.* **2011**, *534*, 41–49.
18. A. S. Mocanu, M. Iliş, **F. Dumitraşcu**, M. Ilie, V. Cîrcu „Synthesis, mesomorphism and luminescence properties of palladium(II) and platinum(II) complexes with dimeric Schiff base liquid crystals" *Inorg. Chim. Acta* **2010**, *363*, 729–736.

28.10. .2011

Dr. Chim. DUMITRAŞCU Florea

