



## Europass Curriculum Vitae

### Personal information

**First name(s) / Surname(s)** Petre IONITA  
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E-mail p\_ionita@yahoo.co.uk  
Nationality Romanian  
Date of birth 1967  
Gender Male

### Occupational field **Chemistry**

#### Work experience

##### Dates 2018-present

##### Occupation or position held Professor

Main activities and responsibilities Teaching and Research  
Name and address of employer University of Bucharest  
Type of business Faculty of Chemistry, Department of Organic Chemistry, Biochemistry and Catalysis

##### Dates 1992-2008, 2008-2018

##### Occupation or position held Researcher, Associate Professor

Main activities and responsibilities Research/ Teaching  
Name and address of employer Institute of Physical Chemistry, Bucharest/ University of Bucharest  
Type of business Department of Supramolecular Chemistry/ Organic Chemistry

#### Education and training

##### Dates 2000-2006

Title of qualification awarded Postdoctoral fellowships (Royal Society/NATO, Unilever Research, EPSRC)  
Principal subjects/occupational skills covered Organic Chemistry, Physical Chemistry, Supramolecular Chemistry, Nanoparticles  
Name and type of organisation providing education and training University of York, UK

##### Dates 1993-1997

Title of qualification awarded Ph.D.  
Principal subjects/occupational skills covered Analytical and Organic Chemistry  
Name and type of organisation providing education and training University Politehnica Bucharest

##### Dates 1987-1992

Title of qualification awarded B.A./M.Sc.  
Principal subjects/occupational skills covered Organic Chemistry  
Name and type of organisation providing education and training University of Bucharest

**Personal skills and competences**

-organic and analytical skills; experience with spectro-chemical and physico-chemical analysis;  
 -synthesis of free stable radicals and polyradicals;  
 -generation of short-lived and of persistent free radicals; spin-trapping of short-lived free radicals;  
 -electronic paramagnetic resonance (EPR/ESR);  
 -chemistry of hydrazyl, nitroxyl, nitronyl-nitroxide and imino-nitroxide free stable radicals;  
 -unconventional nitration, ipso-substitution and mechanistic studies;  
 -spin-labeling and labeling with stable isotopes;  
 -interphase transport of cations, protons, electrons, and amino-acids using crown compounds;  
 -pK<sub>a</sub> determinations;  
 -experimental and theoretical determination of lipophilicities;  
 -chromatographic techniques (TLC, RPTLC);  
 -supramolecular and nano chemistry;  
 -spin-labeled gold and/or silica nanoparticles.

Mother tongue(s)

**Romanian**

Other language(s)

**English (fluent), French**

Self-assessment

European level (\*)

**English****French**

Understanding		Speaking		Writing			
Listening		Reading		Spoken interaction		Spoken production	
	C2		C2		C2		C2
	B1		C1		A2		A2

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

Organisational skills and competences

Director of several national grants:

**UEFISCDI Idei 87/2011**, Stable multifunctional organic free radicals**CNCSIS 'Idei' 46/2007**, Hybrid multilayer nanoparticles**GAR 48/2007**, Organic hybrid compounds as sensors and markers in free radical processes**CNCSIS 'A' 5/2006**, Paramagnetic nanoparticles

Technical skills and competences

Organic Chemistry, Analytical Chemistry, Physical Chemistry, Synthesis, Spectroscopy (IR, UV-VIS, NMR, ESR/EPR).

Computer skills and competences

Windows, Office

Driving licence

B

**Additional information****List of published papers (around 120), see <http://www.researcherid.com/rid/B-5566-2011>**