



Europass Curriculum Vitae

Personal information

First name(s) / Surname(s) **Petre IONITA**
Address(es) 12 Novaci, Bucharest 051729, Romania
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E-mail p_ionita@yahoo.co.uk
Nationality Romanian
Date of birth 20/09/1967
Gender Male

Occupational field **Chemistry**

Work experience

Dates **2008-present**

Occupation or position held **Associate 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**

Occupation or position held **Researcher**

Main activities and responsibilities Research
Name and address of employer Institute of Physical Chemistry, Bucharest
Type of business Department of Supramolecular 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_a 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, French

Self-assessment

European level (*)

English**French**

Understanding		Speaking		Writing
Listening	Reading	Spoken interaction	Spoken production	
C2	C2	C2	C2	C2
B1	C1	A2	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 100), <http://www.researcherid.com/rid/B-5566-2011>**