



**Europass
Curriculum Vitae**



Personal information

Surname(s) / First name(s) **Ilia Gheorghe**

Address(es)

Telephone(s)

Mobile

Fax(es)

E-mail

Nationality

Date of birth

Gender

**Desired employment /
Occupational field** **Scientific expert**

Work experience

Dates 2003-present

Occupation or position held Associate Professor

Main activities and responsibilities Supervisor Ph. D. Thesis

Name and address of employer West University, Faculty of Chemistry-Biology-Geography, Department of Chemistry, 14 J.H.Pestalozzi Str, Timisoara

Type of business or sector Educational and research

Dates 2019-

Occupation or position held Senior Researcher

Name and address of employer Institute of Chemistry Timisoara "Coriolan Dragulescu", 24 Mihai Viteazu, Timisoara

Type of business or sector Reseach-Development

Dates 2007-2019

Occupation or position held Senior Researcher

Main activities and responsibilities	Synthesis and applications of phosphorus compounds in green chemistry context.
Name and address of employer	Institute of Chemistry Timisoara, 24 Mihai Viteazu, Timisoara
Type of business or sector	Research-Development
Dates	2004-2007
Occupation or position held	Senior Researcher, Head of Organic Department
Main activities and responsibilities	Synthesis and applications of phosphorus compounds in green chemistry context.
Name and address of employer	Institute of Chemistry Timisoara, 24 Mihai Viteazu, Timisoara
Type of business or sector	Research-Development
Dates	1991-2003
Occupation or position held	Senior Researcher, Cancelor
Main activities and responsibilities	Synthesis and applications of phosphorus compounds in green chemistry context.
Name and address of employer	Institute of Chemistry Timisoara, 24 Mihai Viteazu, Timisoara
Type of business or sector	Research-Development
Dates	1983-1990
Occupation or position held	Researcher
Main activities and responsibilities	Synthesis and applications of phosphorus compounds
Name and address of employer	Institute of Chemistry Timisoara, 24 Mihai Viteazu, Timisoara
Type of business or sector	Research-Development
Dates	1981-1983
Occupation or position held	Engineer
Main activities and responsibilities	Technologist
Name and address of employer	SC Phoenix Jimbolia
Type of business or sector	Production
Education and training	
Dates	2003-2004
Title of qualification awarded	Post university course
Principal subjects/occupational skills covered	The management of organizing and human resources
Name and type of organisation providing education and training	University „Politehnica” of Timisoara
Level in national or international classification	Post university course
Dates	(Ph.D. Thesis Supervisor: Professor Radu Valceanu and Professor Carol Csundelik), 1996
Title of qualification awarded	Ph. D. in Chemistry
Principal subjects/occupational skills covered	Contributions at chemistry and applications of phosphites and phosphonates
Name and type of organisation providing education and training	University „Politehnica” of Timisoara, Faculty of Chemistry
Level in national or international classification	PhD
Dates	October 1976-July 1981
Title of qualification awarded	Bachelor in Chemistry

Principal subjects/occupational skills covered	1. Chemistry and technology of macromolecular compounds 2. Organic chemistry 3. Analytical chemistry 4. Inorganic chemistry										
Name and type of organization providing education and training	University „Politehnica” of Timisoara, Faculty of Chemistry										
Level in national or international classification	Higher education										
Personal skills and competences											
Mother tongue(s)	romanian										
Other language(s)	english, russian										
Self-assessment	Understanding				Speaking				Writing		
<i>European level (*)</i>	Listening		Reading		Spoken interaction		Spoken production				
English	B2	Independent user	B2	Independent user	B2	Independent user	B2	Independent user	B2	Independent user	
Russian	B2	Independent user	B2	Independent user	B2	Independent user	B2	Independent user	B2	Independent user	
	(*) <i>Common European Framework of Reference for Languages</i>										
Social skills and competences	organised person, good abilities for synthetic and global views over concrete situations responsibility, adaptability, ability to establish and maintain good working relations, communication abilities										
Organisational skills and competences	multi tasking skills, analytical skills, communications skills, organization and participation in team work with young people, collaborative										
Technical skills and competences	conduct multi-step synthesis of complex products, good command of quality control processes										
Computer skills and competences	User of: Windows (98, 2000, XP), Office, Origin, Adobe Photoshop, Internet: (Internet Explorer, Modzila), E-mail										
Driving license	Yes										
Additional information	Administrative and scientific positions - Cancelor of Institute of Chemistry , 1990-2004 -Head of Organic Departament - Member of C.N.A.T.D.C.U. of Ministry of Education for confirming Professor title and Senior researcher I - Anex3 OMEdC nr. 3904/10.05.2006- Chemistry Committee. - Journal of Chinese Clinical Medicine-Member of editorial board ,2009- - Global Journal of Analytical ChemistryHHHMember of editorial board, 2009- -Current Green Chemistry- Associate Editor-2012										
Annexes	Annex 1 - Scientific activity Annex 2 - List of most representative scientific papers Annex 3 - List of main research grants, european projects and national programs										

Annex 1 Scientific activity

Scientific activity:		
1	Papers in per review journals	298
2	Papers in Thomson-Reuters :	
	Web of Science™ Core Collection	212
	Data Citation Index SM	37
	Patents	5
3	Hirsh index	
	All Databases	16
	Web of Science™ Core Collection	15
4	Ciations:ISI-Thomson	
	All Database	1263
	Web of Science™ Core Collection	1170
5	Proceedings	121
6	Abstract pappers presented at international conferences	170
7	Abstract papers presented at national conferences	88
8	Books	11
9	Book chapters	11(7 abroad)
10	Domestic projects	12
11	International Research projects FP7-2010-GC-Electrochemical-Storage	1
12	Bilateral Cooperation Grants (international)	4

-ResearcherID : A-6419-2010; <http://www.researcherid.com/rid/A-6419-2010>

-ORCID ID : orcid.org/0000-0002-2262-6122; <http://orcid.org/0000-0002-2262-6122>

-Scopus: [Scopus Author ID: 35614186900](https://scopus.com/authors/details/authorid/35614186900)

-Google Scholar Citations :

https://scholar.google.com/citations?view_op=list_works&hl=en&user=pS7UTDUAAAAI

-ResearchGate- https://www.researchgate.net/profile/Gheorghe_Ilia

-BrainMap-U-1700-027Y-9867

Annex 2 List of most representative scientific papers

Lavinia Macarie, Nicoleta Plesu, Smaranda Iliescu, Gheorghe Iliia , Synthesis of organophosphorus compounds using ionic liquids, <i>Reviews in Chemical Engineering</i> , 2018 , 34(5), 727–740 (IF ₂₀₁₇ =4,490)
Simona Popa, Smaranda Iliescu, Gheorghe Iliia, Nicoleta Plesu, Adriana Popa, Aurelia Visa, Lavinia Macarie, Solid polymer electrolytes based on phosphorus containing polymers for lithium polymer batteries, <i>European Polymer Journal</i> , 2017 , 94, 286–298 (FI=3.531)
Smaranda Iliescu, Nicoleta Plesu, Gheorghe Iliia , Synthetic routes to polyphosphoesters as solid polymer electrolytes for lithium ion batteries, <i>Pure Appl. Chem.</i> 2016 ; 8888(10-11): 941–952, (IF=2.626)
Alina-Maria Petrescu, Mihai V. Putz, Gheorghe Iliia. Quantitative Structure- Activity/EcoToxicity Relationships(QSAR/QEcoSAR) of a Series of Phosphonates, <i>Environmental Toxicology and Pharmacology</i> , 2015 , 40(3), 800-824 (IF=2.08)
Adriana Popa, Ramona Ene, Diana Visinescu, Ecaterina Stela Dragan, Gheorghe Iliia, Smaranda Iliescu, Viorica Parvulescu, Transitional metals immobilized by coordination on aminophosphonate functionalized copolymers and their catalytic properties. <i>Journal of Molecular Catalysis A: Chemical</i> , 2015 , 408, 262-270 (IF=3.615)
Gheorghe Iliia, Mihaela Petric, Erika Bálint, György Keglevich, Synthesis of the Mixed Alkyl Esters of Phenylphosphonic Acid by Two Variations of the Atherton-Todd Protocol, <i>Heteroatom Chemistry</i> , 2015 , 26(1), 30-34 (IF= 1.076)
György Keglevich, Erika Bálint, Ádám Tajti, Béla Mátravölgyi, György Tibor Balogh, Mária Bálint and Gheorghe Iliia, Microwave-assisted alcoholysis of dialkyl phosphites by ethylene glycol and ethanalamine., <i>Pure Appl. Chem.</i> 2014 , 86(11), 1723-1728, (IF= 2.492)
Bálint E., Tajti A., Drahos L., Iliia G., Keglevich G.: Alcoholysis of dialkyl phosphites under microwave conditions. <i>Current Org. Chem.</i> , 2013 , 17(5), 555-562 (IF=3.434)
Manuela Crisan, Paulina Bourosh, Yurii Chumakov, Mihaela Petric, Gheorghe Iliia, Supramolecular Assembly and <i>Ab-initio</i> Quantum Chemical Calculations of 2-Hydroxyethylammonium Salts of <i>para</i> -Substituted Benzoic Acids, <i>Crystal Growth & Design</i> , 2013 , 13(1), 143–154 (IF=4.689)
Konstantinos D. Demadis, Anna Tsistraki, Adriana Popa, Gheorghe Iliia and Aurelia Visa, Promiscuous Stabilisation Behaviour of Silicic Acid by Cationic Macromolecules: the Case of Phosphonium-Grafted Dicationic Ethylene Oxide Bolaamphiphiles, <i>RSC Advances</i> , 2012 , 2(2), 631–641. (IF=2.562)
Lavinia Macarie, Gheorghe Iliia, (Equal contribution) Poly(vinylphosphonic acid) and its derivatives, <i>Progress in Polymer Science (Oxford)</i> , 2010 , 35(8), 1078-1092 (IF= 22.870)
Gheorghe Iliia, Lavinia Macarie, Erika Bálint, György Keglevich, Phase Transfer Catalysis in Phosphorus Chemistry, <i>Catalysis Reviews Sci. Eng.</i> , 2011 , 53(2), 152–198, (IF=7.000)
Gheorghe Iliia, Phosphorus containing hydrogels, <i>Polymers for Advanced Technologies</i> , 2009 , 20, 707–722, (IF=1.532)
Andreea Micle, Natalia Miklášova, Richard Varga, Aurelia Pascariu, Nicoleta Pleșu, Mihaela Petric, Gheorghe Iliia, A versatile synthesis of a new bisiminophosphorane, <i>Tetrahedron Letters</i> , 2009 , 50(40), 5622-5624, (IF= 2.660)
Madalina Drehe(Dragan), Vasile Simulescu, Gheorghe Iliia, Progresses in the Development of Flame Retardants, <i>Reviews in Chemical Engineering</i> , 2008 , 24(6), 263-302 (IF=2.000)
Smaranda Iliescu, Gheorghe Iliia, Nicoleta Plesu, Adriana Popa, Aurelia Pascariu, Solvent and catalyst-free synthesis of polyphosphates, <i>Green Chemistry</i> , 2006 , 8(8), 727-730 (IF=4,192)
Smaranda Iliescu, Gheorghe Iliia, Aurelia Pascariu, Adriana Popa, Nicoleta Plesu, Novel synthesis of phosphorus containing polymers under inverse phase transfer catalysis, <i>Polymer</i> , 2006 , 47(19) 6509-6512 (IF=2,773)
Nicoleta Plesu, Gheorghe Iliia, Aurelia Pascariu, Gabriela Vlase, Preparation, degradation of polyaniline doped with organic phosphorus acids and corrosion essays of polyaniline-acrylic blends, <i>Synthetic Metals</i> , 2006 , 156(1-2), 230-238 (IF=1,685)
Gheorghe Iliia, Smaranda Iliescu, Adriana Popa, A new method for the synthesis of triaryl phosphates, <i>Green Chemistry</i> , 2005 , 7(4), 217-218 (IF=3.255)

Annex 3 List of main research grants, European projects and national programs

Grants

1. Modele moleculare polifunctionale pentru procesarea polimerilor si aplicatii, 2002-2003, suma: 52 000 000 lei, director proiect: Mirci Liviu
2. Sinteze in faza solida privind obtinerea unor polimeri functionalizati cu grupari pendante continand fosfor si apicabilitatea lor in diverse domenii ca reactivi polimerici, catalizatori si agenti antibacterieni, 2003-2004, suma: 50 000 000 lei, director proiect Adriana Popa.
3. Chimia, evaluarea proprietatilor de degradabilitate si inflamabilitatea a poli(fosfoesterilor) si utilizarea lor in formulare de materiale bioactive - Grant CNCSIS cod 1265/2007: 2007-2010, titular: Institutul de Chimie Timisoara, director proiect: Smaranda Iliescu.
4. Evaluarea efectelor procesarii asupra proprietatilor fizico-chimice si nutritionale ale unor produse vegetale, CNCSIS PN-II-ID(ID_898/2008, contract nr.1055/2009). 2008-2010, suma: 900000 RON, director proiect: Caprita Adrian.

European projects

1. FP7-2010-GC-ELECTROCHEMICAL-STORAGE: SOMABAT—Development of novel SOLid MATerials for high power Li polymerBATteries (SOMABAT). Recyclability of components.

Consortiu:

1 Asociacion Instituto Tecnológico de la Energia, ITE, Spain- Coordonator Proiect

2 Universite de Liege, ULg, Belgium

3 Kompetenzzentrum - Das virtuelle Fahrzeug Forschungsgesellschaft mbH, VIF, Austria

4 Kiev National University of Technologies and Design, KNUVD, Ukraine

5 Institutul de Chimie Timisoara al Academiei Romane, ICT, Romania

a. Person in charge of administrative, legal and financial aspects in this project: Fagadar-Cosma Eugenia

b. Person in charge of scientific and technical/technological aspects in this project: **Gheorghe Ilia**

6 Cleancarb SARL, Cleancarb, Luxembourg

7 Agencia Estatal Consejo Superior de Investigaciones Cientificas, CSIC, Spain

8 Recupyl SAS, Recupyl, France

9 Accurec-Recycling GMBH, AC, Germany

11 Lithium Balance A/S, Lithium Balance, Denmark

12 Celaya Empananza y Galdos Sa Cegasa Spain

13 Umicore Nv Umicore Belgium

14 Atos Origin Sociedad Anonima Espanola ATOS Spain

National programs

1. Proiect INVENT 2002-2005, denumirea proiectului: Procedeu de obtinere a benzildimetilcetatului, titular: ICPAO

Medias, partener: Institutul de Chimie Timisoara, suma: 256.000.000 lei, responsabil: **Dr. Ing. Gheorghe Ilia**.

2. Contractul MENER Nr. 633/03.10.2005, denumirea proiectului: Comportarea termica a meterielelor cu impact asupra mediului, director proiect: Prof. Dr. Ing. Nicolae Doca - Universitatea de Vest Timisoara, valoarea proiectului (include alte surse atrase):

1430000 RON, parteneri :3, partener 1. Institutul de Chimie Timisoara responsabil: **Dr. Ing. Gheorghe Ilia**, valoarea subcontractului (sursa-buget de stat): 90000 RON, durata contractului 2005-2008

3. Contract MATNANTECH NR. 82/2006, denumirea proiectului: Hibridi organici-anorganici cu proprietati speciale pe baza de compusiorganofosforici, director de proiect: **Dr. Ing. Gheorghe Ilia** - Institutul de Chimie Timisoara, valoarea proiectului (include alte surse atrase): 1.451.716lei, valoarea contractului (sursa-buget de stat): 1.410.000lei, parteneri: 7, durata contractului 2006-2008.

4. Contract MATNANTECH Nr. 87/2006, denumirea proiectului: Nanomateriale UV fotoreticulabile, multifunctionale cu proprietati speciale pentru aplicatii decorative si dentare, director de proiect: Lucica Stanule t- I.C.P.A.O. Medias, valoarea proiectului (include alte surse atrase): 2.057.100 RON, valoarea contractului (sursa-buget de stat): 1.500.000 RON, parteneri: 9, partener 2 Institutul de Chimie Timisoara, responsabil: Dr. Ing. Lavinia Macarie, valoarea subcontractului (sursa-buget de stat): 50.000 RON, durata contractului: 2006-2008

5. Contract MATNANTECH Nr. 50/2006, denumirea proiectului: Materiale hibride obtinute prin grefarea complexilor metalici pe suporti functionalizati si aplicatiile lor in oxidari biomimetice, director de proiect: Dr. Viorica Parvulescu- Institutul de Chimie Fizica „I G Murgulescu”, valoarea proiectului: 1.500.000 RON, parteneri: 5, partener 4. Institutul de Chimie Timisoara, responsabil: Dr. Ing. Adriana Popa, valoarea subcontractului (sursa-buget de stat): 240.000 RON, 25.000 RON/2006, durata contractului 2006-2008.

6. Contract PN II Nr. 71-0 4/18.09.2007 încheiat Programului 4 – PARTENERIATE IN DOMENIILE PRIORITARE, DIRECTIA DE CERCETARE 7.1.6 și Institutul de Chimie Timisoara al Academiei Române cu titlul: Materiale hibride nanostructurate pentru senzori cu potential de utilizare in terapie si diagnostic, director (responsabil) de proiect partener P3: Dr. Ing. Nicoleta Plesu.

7. Contract PNII nr. 94/2008, Modul III Capacități, Proiect bilateral România-Africa de Sud, încheiat între Ministerul Educației și Cercetării – ANCS, parteneri Institutul de Chimie Timisoara și Cape Peninsula University of Technology Cape Town, Titlul proiectului: Polimeri organici ai acidului vinilfosonic utilizați ca schimbători de ioni în cromatografie, director de proiect: dr.ing. Macarie Lavinia - Institutul de Chimie Timisoara, valoare totală: 231300 lei, din care 25400 lei/2008, durata: 2 ani și 2 luni

8. Contract PNII nr. 192/08.04.2009, Modulul III Capacitati, Proiect bilateral România- R.P. China încheiat între Ministerul Educatiei si Cercetarii - ANCS, parteneri Institutul de Chimie Timisoara si Nankai University, Institute of Polymer Chemistry, Tianjin, P.R.China, titlul proiectului: Prepararea rasinilor chelate continand fosfor si aplicatiile lor in protectia mediului si hidrometalurgie, director de proiect: dr.ing. Popa Adriana - Institutul de Chimie Timisoara, valoare totala:(37503 lei, din care 15303/2009), durata: 19 luni.