

INFORMAȚII PERSONALE



Ilia Gheorghe



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POZIȚIA **Conducator de doctorat UVT**

- 2004- prezent **Profesor asociat**
 Universitatea de Vest din Timișoara, Facultatea de Chimie Biologie Geografie,
 Conducator doctorat
 Școala Doctorală de Chimie
- 2021-prezent **Cercetator Stiintific I**
 Institutul de Chimie „Coriolan Dragulescu” <http://acad-icht.tm.edu.ro/>
 Cercetare -proiect UEFISCDI
- 2019- 2021 **Cercetator Stiintific I**
 Institutul de Chimie „Coriolan Dragulescu” <http://acad-icht.tm.edu.ro/>
 Cercetare fundamentala
- 2007-2019 **Sectia de chimie organica**
Cercetator Stiintific I
 Institutul de Chimie Timișoara al Academiei Române, <http://acad-icht.tm.edu.ro/>
 Cercetare fundamentala
- 2004-2007 **Sectia de chimie organica**
Cercetator Stiintific I; Sef Sectie
 Institutul de Chimie Timișoara al Academiei Române, <http://acad-icht.tm.edu.ro/>
 Cercetare fundamentala; activitati administrative.
- 1990- 2004 **Sectia de chimie organica**
Cercetator Stiintific III, II, I; Secretar Stiintific
 Institutul de Chimie Timișoara al Academiei Române, <http://acad-icht.tm.edu.ro/>
 Cercetare fundamentala; activitati administrative.
- 1983-1989 **Sectia compusi elementorganici**
Cercetător
 Centrul de Chimie Timișoara
 Cercetare aplicativa
- 1981-1983 **Sectia compusi elementorganici**
Inginer stagiar
 Intreprinderea de Nasturi si Mase Plastice Jimbolia

[Industria maselor plastice](#)

EXPERIENȚA PROFESIONALĂ

EDUCAȚIE ȘI FORMARE

- 1991-1996 **Doctorat**
 Contribuții la chimia și aplicațiile fosfiților și fosfonaților, Cond. Științifici: Prof. dr. Carol Csunderlik, Prof. dr. ing. Radu Vâlceanu
 Universitatea Politehnica Timișoara, Facultatea de Chimie Industrială
- 1976-1981 **Studii superioare de inginerie chimica**
 Institutul Politehnic Traian Vuia Timișoara; Facultatea de Tehnologie Chimica; Sectia Tehnologia Compușilor Macromoleculari
- 1970-1975 **Studii liceale**
 Liceul real-umanist, Oravița

COMPETENTE PERSONALE

Limba(i) maternă(e) Romana

Alte limbi străine cunoscute

	INTELEGERE		VORBIRE		SCRIERE
	Ascultare	Citire	Participare la conversație	Discurs oral	
Engleza	C1	C1	B2	B1	B2
Rusa	C1	B2	B2	A1	A1

 Competențe de comunicare
 Competențe organizaționale/manageriale

- bune competențe de comunicare dobândite prin experiența proprie de responsabil de proiecte
- Cursuri postuniversitare:
- **Management organizațional și al resurselor umane,**
- Universitatea Politehnica din Timișoara, 2002-2003

Competență digitală

AUTOEVALUARE				
Procesarea informației	Comunicare	Creare de conținut	Securitate	Rezolvarea de probleme
UTILIZATOR INDEPENDENT	UTILIZATOR INDEPENDENT	UTILIZATOR INDEPENDENT	UTILIZATOR INDEPENDENT	UTILIZATOR INDEPENDENT

- o bună stăpânire a suită de programe de birou (procesor de text, calcul tabelar, software pentru prezentări)

Permis de conducere

Categoria B

INFORMATII SUPLIMENTARE

- 2006-2016 Membru comisiei de Chimie a C.N.A.T.D.C.U. pentru confirmarea titlurilor de PROFESOR UNIVERSITAR, CONFERENȚIAR UNIVERSITAR, CERCETĂTOR ȘTIINȚIFIC gradul I și CERCETĂTOR ȘTIINȚIFIC gradul I, OMEdC_3904/2006
- 2012- Current Green Chemistry- Associate Editor
- 2015- Current Catalysis – Editorial Board member

Publicații
Prezentări
Proiecte
Conferințe
Seminarii
Distincții
Afilieri
Referințe
Citări
Cursuri
Certificări

Anexa 1. Activitate științifică

1	Articole publicate in reviste	317
2	Articole indexate de Clarivate : Web of Science™ Core Collection	228
	Data Citation Index SM	42
	Patents	4
3	Articole indexate in Scopus	216
4	Articole indexate in Google Scholar Citations	318
5	Articole indexate in Reseach GATE	294
6	Hirsh index	
	Web of Science™ Core Collection	19
	Scopus	19
	Google scholar citations	23
	Reseach GATE	20
7	Citari	
	Web of Science™ Core Collection	1667
	Scopus	1725
	Google Scholar Citations	2198
	Reseach GATE	1849
8	Proceedings	123
9	Abstracte la conferintele internationale	172
10	Abstracte la conferintele nationale	89
11	Carti	11
12	Capitole de carti	17(13 in edituri din strainatate)
13	Proiecte nationale	13
14	Proiecte Internationale FP7-2010-GC-Electrochemical-Storage	1
15	Cooperari bilaterale (international)	4

-Publons : <https://publons.com/researcher/822420/gheorghe-ilia/>

-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=pS7UTDUAAAAJ

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

-BrainMap-U-1700-027Y-9867

Editorial board member:

-Global Journal of Analytical Chemistry- Editorial Board members for Spectroscopy -2009-2011

-American Journal of Polymer Science- Editorial Board member- 2010-2012

Editor in chef 2012-

<http://www.sapub.org/journal/aimsandscope.aspx?journalid=1019>

-Current Green Chemistry –Associate Editor -2012(<http://www.benthamscience.com/cgc/EBM.htm>)

-Current Catalysis – Editorial Board member-2015; <http://benthamscience.com/journals/current-catalysis/>

Member of :

Societatea de Chimie din România- 1996-

Society of Plastic Engineers (Societatea Inginerilor Polimeristi-www.4spe.org)- 2009

ACS-Nano -2011-

Lucrări științifice reprezentative:

Montse Bazaga-García, Álvaro Vilchez-Cózar, Bianca Maranescu, P. Olivera-Pastor, Marko Marganovici, Gheorghe Iliia, Aurelio Cabeza Díaz, Aurelia Visa, Rosario M. P. Colodrero, Synthesis and Electrochemical properties of metal(II)-carboxyethylphenylphosphinates, *Dalton Transactions*, **2021**, **50**, 6539-6548, <https://dx.doi.org/10.1039/D1DT00104C>, (IF₂₀₂₀= **4,390**)

Lavinia Macarie, Nicoleta Plesu, Smaranda Iliescu, Gheorghe Iliia, Synthesis of organophosphorus compounds using ionic liquids, *Reviews in Chemical Engineering*, **2018**, **34**(5), 727–740 (IF₂₀₁₇=**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, *European Polymer Journal*, **2017**, **94**, 286–298 (IF=**3.531**)

Smaranda Iliescu, Nicoleta Plesu, **Gheorghe Iliia**, Synthetic routes to polyphosphoesters as solid polymer electrolytes for lithium ion batteries, *Pure Appl. Chem.* **2016**; 8888(10-11): 941–952, (IF₂₀₁₆=**2.626**)

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. *Journal of Molecular Catalysis A: Chemical*, **2015**, **408**, 262-270 (IF₂₀₁₄=**3.615**)

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 ethanolamine., *Pure Appl. Chem.* **2014**, **86**(11), 1723-1728, (IF₂₀₁₄= **2.492**)

Balint E., Tajti A., Drahos L., Iliia G., Keglevich G.: Alcoholysis of dialkyl phosphites under microwave conditions. *Current Org. Chem.*, **2013**, **17**(5), 555-562 (IF₂₀₁₂=**3.434**)

Manuela Crisan, Paulina Bourosh, Yurii Chumakov, Mihaela Petric, Gheorghe Iliia, Supramolecular Assembly and *Ab-initio* Quantum Chemical Calculations of 2-Hydroxyethylammonium Salts of *para*-Substituted Benzoic Acids, *Crystal Growth & Design*, **2013**, **13**(1), 143–154 (IF₂₀₁₂=**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, *RSC Advances*, **2012**, **2**(2), 631–641. (IF₂₀₁₂=**2.562**)

Lavinia Macarie, Gheorghe Iliia, Poly(vinylphosphonic acid) and its derivatives, *Progress in Polymer Science (Oxford)*, **2010**, **35**(8), 1078-1092 (IF₂₀₁₀= **22.870**)

10. Gheorghe Iliia, Lavinia Macarie, Erika Bálint, György Keglevich, Phase Transfer Catalysis in Phosphorus Chemistry, *Catalysis Reviews Sci. Eng.*, **2011**, **53**(2), 152–198, (IF₂₀₁₀=**7.000**)

Gheorghe Iliia, Phosphorus containing hydrogels, *Polymers for Advanced Technologies*, **2009**, **20**, 707–722, (IF₂₀₀₉=**1.532**)

Andreea Micle, Natalia Miklášova, Richard Varga, Aurelia Pascariu, Nicoleta Pleșu, Mihaela Petric, Gheorghe Iliia, A versatile synthesis of a new bisiminophosphorane, *Tetrahedron Letters*, **2009**, **50**(40), 5622-5624, (IF₂₀₀₉= **2.660**)

Smaranda Iliescu, Gheorghe Iliia, Nicoleta Plesu, Adriana Popa, Aurelia Pascariu, Solvent and catalyst-free synthesis of polyphosphates, *Green Chemistry*, **2006**, **8**(8), 727-730 (IF₂₀₀₆=**4,192**)

Smaranda Iliescu, Gheorghe Iliia, Aurelia Pascariu, Adriana Popa, Nicoleta Plesu, Novel synthesis of phosphorus containing polymers under inverse phase transfer catalysis, *Polymer*, **2006**, **47**(19) 6509-6512 (IF₂₀₀₆=**2,773**)

Gheorghe Iliia, Smaranda Iliescu, Adriana Popa, A new method for the synthesis of triaryl phosphates, *Green Chemistry*, **2005**, **7**(4), 217-218 (IF₂₀₀₅=**3.255**)

Capitole de carte in edituri consacrate (selectie):

1. Lavinia Macarie, **Gheorghe Iliia**, Synthesis and Polymerization of Vinylphosphonic Acid, In: RSC Polymer Chemistry Series No. 11, Phosphorus-Based Polymers: From Synthesis to Applications, Eds. Sophie Monge and Ghislain David, 334 pg., Chapter 4, Published by The Royal Society of Chemistry, Cambridge, England, 2014, pp. 51-67.
2. Lavinia Lupa, Adriana Popa, **Gheorghe Iliia**, Use of phosphorus-containing polymers for the removal of metal ions from wastewaters, In: RSC Polymer Chemistry Series No. 11, Phosphorus-Based Polymers: From Synthesis to Applications, Eds. Sophie Monge and Ghislain David, 334 pg., Chapter 11, Published by The Royal Society of Chemistry, Cambridge, England, 2014, pp. 225-251.
3. Leire Zubizarreta, Mayte Gil-Agustí, Marta Garcia, Alfredo Quijano, Alexandre Leonard, Nathalie Job, Martin Cifrain, Franz Plicher, Volodymyr Khomeenko, Viacheslav Barsukov, Eugenia Fagadar-Cosma, **Gheorghe Iliia**, Peter Dooley, Omar Ayyad, Pedro Gomez-Romero, Farouk Tedjar, Reiner Weyhe, Karl Vestin, Lars Barkler, Iratxe de Meatza, Igor Cantero Stephane Levasseur, Andrea Ross, Development of novel Solid Materials for high power Li polymer BATteries (SOMABAT). Recyclability of components. IN. Electric Vehicle Batteries: Moving from Research towards Innovation. Reports of the PPP European Green Vehicles Initiative. Series: Lecture Notes in Mobility Briec, Emma, Müller, Beate (Eds.) 2015, X, (129 p.) pp.19-32
4. Aurelia Visa, Bianca Maranescu, **Gheorghe Iliia**, Hypophosphorous Acid and its Salts as Reagents in Organophosphorus Chemistry, in: Chemistry Beyond Chlorine, P. Tundo, L.-N. He, E. Lokteva, C.J. de A. Mota (Eds.), Springer, 2016, pp. 137-168,

5. Simona Funar-Timofei, Gheorghe Ilia, QSAR modeling of dye ecotoxicity. In: Ecotoxicological QSARs, Kunal Roy Ed., Series Title: Methods in Pharmacology and Toxicology, DOI: 10.1007/978-1-0716-0150-1, **2020**, pp. **405-436**, Humana, New York, NY, part of Springer Nature
6. Alina Bora, Luminita Crisan, Ana Borota, Simona Funar-Timofei, Gheorghe Ilia, Ecotoxicological QSAR modeling of organophosphorus and neonicotinoid pesticides. In: Ecotoxicological QSARs, Kunal Roy Ed., Series Title: Methods in Pharmacology and Toxicology, DOI: 10.1007/978-1-0716-0150-1, **2020**, pp. **513-544**, Humana, New York, NY, part of Springer Nature
7. Vasile Simulescu, Simona Funar-Timofei, Vlad Chiriac, Gheorghe Ilia, Synthesis of Phosphorus-Based Phosphors, In: Kanchan Upadhyay, Sabu Thomas, Raunak Kumar Tamrakar, Eds., Hybrid Phosphor Materials-Synthesis, Characterization and Applications, **2022**, pp. 119-149, Springer Nature Switzerland AG., https://doi.org/10.1007/978-3-030-90506-4_5

Proiecte Europene

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

Proiecte Nationale

1. Proiect INVENT 2002-2005, denumirea proiectului: Procedeu de obtinere a benzildimetilcetatalui, titular: ICPAO Medias, partener: Institutul de Chimie Timișoara, 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 : 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: Hibrizi organici-anorganici cu proprietati speciale pe baza de compusiorganofosforici, director de proiect: **Dr. Ing. Gheorghe Ilia** - Institutul de Chimie Timisoara, durata contractului 2006-2008.
4. Contract PNII nr. 94/2008, Modul III Capacități, Proiect bilateral România-Africa de Sud, parteneri Institutul de Chimie Timișoara și Cape Peninsula University of Technology Cape Town, Titlul proiectului: Polimeri organici ai acidului vinilfosforic utilizați ca schimbători de ioni în cromatografit, director de proiect: dr.ing. Macarie Lavinia - Institutul de Chimie Timișoara, valoare totală: 231300 lei, din care 25400 lei/2008, durata: 2 ani și 2 luni

Timisoara,
30.08.2023

Gheorghe Ilia