



## Europass Curriculum Vitae

### Informatii personale

Prenume / Nume

**Valeria HARABAGIU**

Adresa

Sat Valea Lupului, str. Petre Cuianu, nr. 17, judet Iasi, Romania

Telefon

+40-232-217454

Mobil: +40-741-027090

Fax

+40-232-211299

E-mail

hvaleria@icmpp.ro

Nationalitate

Romana

Data de nastere

18.06.1950

Sex

F

### Experienta

Date

1974 - 1977

Occupatie sau pozitie  
detinuta

Inginer stagiar

Activitati principale si  
responsabilitati

1. Instalarea si punerea in functiune a echipamentului de impregnare cord textil pentru anvelope;  
2. Prelucrare fibre artificiale si sintetice

Numele institutiei angajatoare

1. Intreprinderea de Anvelope "Victoria", Floresti-Prahova; 2. Intreprinderea de Matase "Victoria", Iasi

Sector de activitate

Industrie

Date

1977 – prezent

Activitati principale si  
responsabilitati

Inginer (1977-1979); cercetator stiintific (1979-1990), cercetator stiintific grade III (1990), II (1997), I (2001 - prezent), sef laborator (2000-2014) / secretar stiintific al institutului (din 2001-2018)

Numele institutiei angajatoare

Institutul de Chimie Macromoleculara "Petru Poni", Iasi

Sector de activitate

Cercetare

Activitati principale si  
responsabilitati

Cercetare, educatie (conducator de doctorat din 2009; tutore postdoc: 2010-2015), management la nivel laborator (sef laborator: 2001-2013) si institute (secretar stiintific: 2001-2018; director: 2020 - )

### Educatie si formare

Date

Octombrie 1985 - Aprilie 1992

Diploma obtinuta

Doctor inginer

Subiecte  
principale/Competente

Initiatori de polimerizare radicalica multifunctionali; chimie organica si macromoleculara; fizico-chimia polimerilor

Numele si tipul organizatiei  
care a acordat diploma

Universitatea Tehnica "Gh. Asachi", Iasi

Date

1969 – 1974

Diploma obtinuta

Inginer diplomat, Chimia si Tehnologia Polimerilor

Subiecte  
principale/Competente

Chimie anorganica, chimie organica, chimie macromoleculara, chimie analitica, chimie fizica, fizica, matematica, mecanica, fizico-chimia polimerilor, fenomene de transfer, echipamente si tehnologii specifice industriei chimice, desen tehnic etc.

Numele si tipul organizatiei  
care a acordat diploma

Institutul Politehnic "Gheorghe Asachi", Iasi

### Abilitati si competente personale

Limba materna

Romana

Alte limbi  
Auto-apreciere  
Nivel european (\*)

**Engleza**  
**Franceza**

Intelegere				Vorbire				Scriere	
Ascultare		Citire		Conversatie		Prezentare			
C1	Skilled User	C1	Skilled User	C1	Skilled User	C1	Skilled User	C1	Skilled User
C2	Skilled User	C2	Skilled User	C2	Skilled User	C2	Skilled User	C1	Skilled User

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

Abilitati si competente sociale  
Abilitati si competente organizationale  
Abilitati si competente tehnice  
Abilitati si competente de calculator  
Abilitati si competente artistice  
Alte abilitati si competente  
Licenta auto

Spirit de echipa demonstrat prin activitati in diverse medii nationale si internationale  
Abilitati de comunicare pentru public cu diferite grade de dezvoltare educationala  
Competente manageriale la nivel de proiect, laborator si institut  
Organizator de evenimente stiintifice nationale/internationale, scoli de vara, zile ale usilor deschise  
Productie de anvelope la scara industriala  
Productie de monomeri silanici si polimeri siloxanici la scara laborator, pilot, industrial  
Utilizator - nivel mediu  
categoria B

**Informatii aditionale**

- Membru al Comitetului de Conducere al Societatii de Chimie din Romania
- Membru al Academiei Europene de Stiinte si Arte
- Membru Comisia de chimie - CNATDCU
- Peste 180 articole cotate ISI, carti si capitole de carti
- Peste 20 de conferinte invitate in tara si strainatate
- Cooperare: Centre of Polymer Chemistry, Zabrze, Poland (1996-prezent); Ecole Nationale Supérieure des Mines de Paris, CEMEF Sophia Antipolis, France (1994-prezent); Univ. d'Evry Val d'Essonne, Evry, France (1998-to date); Istanbul Technical University, Turkey (1994-2002); Institute of Macromolecular Compounds, St. Petersburg, Russia (1996-prezent)
- Organizator si co-organizator de diferite evenimente stiintifice nationale si internationale (ex., EPNOE International Polysaccharide Conference: Warsaw, Poland, 2015; Nice, France, 2013; Wageningen, Holland, 2011 Turku, Finland, 2009)
- Coordonator a 5 contracte applicative (inainte de anul 1991)
- Coordonator sau responsabil roman pentru 7 proiecte internationale (FP 3, FP 5, FP 6 and FP 7) si 3 proiecte COST (v. lista anexata)
- Coordonator de 14 proiectenationale (v. lista anexata)
- Evaluator proiecte internationale [SONATA Program - National Science Centre (Poland' 2015); STREPS projects (2003) and FP7-INFRASTRUCTURE-2010-1 (2010) - European Commission, de fonduri structurale (2015) si nationale (Tinere echipe, Proiecte experimental demonstrative)
- Premiul "N. Teclu" al Academiei Romane (1994)
- Premiul de Excelenta al ANCS pentru participarea la Programul Cadru 6 al Comisiei Europene (2006)
- Medalia "Gheorghe Spacu" a Societatii de Chimie din Romania (2009)

**Annexe**

Lista lucrari ISI (2016-2020)  
Lista brevete  
Lista proiectelor de cercetare

Iunie 2020



Dr. Valeria Harabagiu

Dr. Valeria Harabagiu  
Tel. 0741027090; e-mail: [hvaleria@icmpp.ro](mailto:hvaleria@icmpp.ro)

**Institutul de Chimie Macromoleculara "Petru Poni"**  
Laborator POLIMERI ANORGANICI  
Aleea Grigore Ghica Voda, nr. 41A  
700487 Iasi, Romania  
Tel.: 0232-217454; \*260332, \*260333, \*260334/188  
Fax: 0232-211299

## Anexe

### Teza de doctorat:

Titlu: ***Eficacitatea unor noi tipuri de initiatori si catalizatori in sinteza monomerilor si polimerilor***

Conducator stiintific: Acad. Cristofor I SIMIONESCU

Data sustinerii: aprilie 1992

Confirmare prin Ordinul Ministrului Invatamantului si Stiintei nr. 5675/16.05.1992

### ARTICOLE PUBLICATE IN REVISTE COTATE ISI (2016-2020)

Nr. crt.	Lucre, autori, revista
1.	Chitosan-sulfated titania composite membranes with potential applications in fuel cell: Influence of cross-linker nature A.C. Humelnicu, P. Samoila, M. Asandulesa, C. Cojocaru, A. Bele, A.T. Marinoiu, A. Sacca, V. Harabagiu <i>Polymers</i> <b>12</b> (5), Open access, Art. no. 1125 (2020)
2.	Development of porous titania structure with improved photocatalytic activity: Response surface modeling and multi-objective optimization E. Mahu, M. Ignat, C. Cojocaru, P. Samoila, C. Coromelci, I. Asaftei, V. Harabagiu <i>Nanomaterials</i> <b>10</b> (5), Open access, Art. no. 998 (2020)
3.	Optical Dispersion Characteristics of Polyvinyl Alcohol Reinforced with a Nanoceramic Filler A.I. Barzic, M. Soroceanu, R. Rotaru, V. Harabagiu, R.C. Ciobanu <i>Materiale Plastice</i> <b>57</b> (1), 1-7 (2020)
4.	Thermo-Sensitivity of poly-N-isopropylacrylamide with Statistically Introduced D,L-Allylglycine Betainic Units E Tarabukina, A. Rozanova, G. Fundueanu, M. Constantin, V. Harabagiu, A. Filippov; <i>J. Macromol. Sci. Part B-Phys.</i> <b>59</b> (2), 100-120 (2020)
5.	The morphofunctional impact of topical Lidocaine formulation in inflammatory pain - experimental study M.M. Leon-Constantin, T. Alexa-Stratulat, A. Luca, B.I. Tamba, L.M. Trandafir, V. Harabagiu, E. Cojocaru <i>Romanian Journal of Morphology and Embryology = Revue Roumaine de Morphologie et Embryologie</i> <b>60</b> (3), 869-874 (2019)
6.	Viscose-maghemite/goethite polymeric composite as sorbent for oil spill cleanup R. Rotaru, M.E.Fortună, C. Cojocaru, P. Samoilă, L. Pricop, V. Harabagiu <i>Env. Eng. Manag. J.</i> <b>18</b> (6), 1193-1200 (2019)
7.	Optical constants and electrical conductivity of polysilanes: Effects of substituents and iodine doping A.I. Barzic, M. Soroceanu, N. Fifere, L. Sacarescu, A. Farcas, V. Harabagiu <i>Phosphorus Sulfur and Silicon and the Related Elements</i> <b>194</b> , 995-1002 (2019)
8.	Correlation Between Shear-Flow Rheology and Solution Spreading During Spin Coating of Polysilane Solutions A.I. Barzic, M. Soroceanu, R.M. Albu, G. Ioanid, L. Sacarescu, V. Harabagiu <i>Macromol. Res.</i> <b>27</b> (12), 1210-1220 (2019)
9.	Aminophenylporphyrins as precursors for the synthesis of porphyrin-modified siloxanes J. Almeida, M.E. Fortuna, L. Pricop, A. Lobiuc, A. Leite, A.M.N. Silva, R.P. Monteiro, M. Rangel, V. Harabagiu, A.M.G. Silva <i>J. Porphyrins Phthalocyanines</i> <b>23</b> (9), 1001-1012 (2019)
10.	Nickel complexes of guanidine functionalized trisiloxane L. Pricop, M.E. Fortuna, D. Popovici, M. Asandulesa, C. Racles, M.F. Zaltariov, N. Marangoci, M. Savin, V. Harabagiu <i>J. Inorg. Organomet Polym. Mater.</i> <b>29</b> (6), 2024-2034 (2019)

11.	Porous polymer/inorganic composite matrices as efficient desiccants for air dehumidification M. Ignat, P. Samoila, C. Cojocaru, G. Soreanu, I. Cretescu, V. Harabagiu <i>Appl. Surf. Sci.</i> <b>487</b> , 1189-1197 (2019)
12.	Effect of synthesis parameters on sorptive properties of glycerol-derived mesoporous carbon M. Ignat, L. Sacarescu, M.E. Fortuna, P. Cool, V. Harabagiu <i>Env. Eng. Manag. J.</i> <b>18</b> , 59-69 (2019)
13.	In-vivo safety and efficacy evaluation of a novel polymeric based lidocaine formulation for topical analgesia A Luca, C.-T Mihai, D.D. Stanciu, V. Bild, E. Cojocaru, R. Ancuceanu, v. Harabagiu, C. Peptu, C.A. Peptu, M.M. Leon-Constantin, T. Alexa-Stratulat <i>Farmacia</i> <b>67</b> (1), 117-125 (2019)
14.	Improved physico-chemical properties of mesoporous carbon by functionalization with aminopropyl-polydimethylsiloxane (AP-PDMS) M.E. Fortuna, M. Ignat, M. Asandulesa, R. Rotaru, L. Pricop, V. Harabagiu <i>J. Inorg. Organomet. Polym. Mater.</i> <b>28</b> (6), 2275-2287 (2018)
15.	Striking features of DPH electronic spectra as a function of multicomponent solvent nature I. Hurjui, A. Neamtu, V. Harabagiu, D.O. Dorohoi, DO L.L.Hurjui <i>J. Sol. Chem.</i> <b>47</b> (9), 1492-1502 (2018)
16.	Plasma generation in liquid as a new efficient synthesis approach of titania-zinc ferrite nano(photo)catalyst M. Ignat, P. Samoila, C. Coromelci, L. Sacarescu, I. Asaftei, V. Harabagiu, C. Miron <i>Comptes Rendus Chimie</i> , <b>21</b> (3-4), 310-317 (2018)
17.	Relationship between the component synthesis order of zinc ferrite-titania nanocomposites and their performances as visible light-driven photocatalysts for relevant organic pollutant degradation M. Ignat, R. Rotaru, P. Samoila, L. Sacarescu, D. Timpu, V. Harabagiu <i>Comptes Rendus Chimie</i> , <b>21</b> (3-4), 263-269 (2018)
18.	Thermo- and pH-responsive phase separation of N-isopropylacrylamide with 4-vinylpyridine random copolymer in aqueous solutions E. Tarabukina, A. Rozanova, A. Filippov, M. Constantin, V. Harabagiu <i>Coll. Polym. Sci.</i> <b>296</b> (3), 557-565 (2018)
19.	Ferromagnetic iron oxide-cellulose nanocomposites prepared by ultrasonication R. Rotaru, M. Savin, N. Tudorachi, C. Peptu, P. Samoila, L. Sacarescu, V. Harabagiu <i>Polym. Chem.</i> <b>9</b> (7), 860-868 (2018)
20.	Optimized formulation of NiFe <sub>2</sub> O <sub>4</sub> @Ca-alginate composite as a selective and magnetic adsorbent for cationic dyes: Experimental and modeling study C. Cojocaru, A.C. Humelnicu, P. Samoila, P. Pascariu, V. Harabagiu <i>React. Funct. Polym.</i> <b>125</b> , 57-69 (2018)
21.	Preparation of ferroelectric barium titanate through an energy effective solid state ultrasound assisted method R. Rotaru, M. Savin, N. Tudorachi, C. Peptu, P. Samoila, L. Sacarescu, V. Harabagiu <i>J. Am. Ceram. Soc.</i> <b>100</b> (10), 4511-4518 (2017)
22.	Mesoporosity development of TiO <sub>2</sub> nanoparticles depending of applied synthetic method M. Ignat, A. Vasile, L. Sacarescu, V. Harabagiu <i>J. Comput. Theoret. Nanosci.</i> <b>23</b> (6), 5873-5875 (2017)
23.	Thermoresponsive properties of N-isopropylacrylamide with methacrylic acid copolymer in media of different acidity E. Tarabukina, E. Seyednov, A. Filippov, M. Constantin, V. Harabagiu, Gh. Fundueanu <i>Macromol. Res.</i> <b>25</b> (7), 680-688 (2017)
24.	Surface hydrophobization of polyester fibers with poly(methylhydro-dimethyl)siloxane copolymers: Experimental design for testing of modified nonwoven materials as oil spill sorbents C. Cojocaru, L. Pricop, P. Samoila, R. Rotaru, V. Harabagiu <i>Polymer Testing</i> <b>59</b> 377 -389 (2017)
25.	Plasma effect on polyhydrosilane/metal interfacial adhesion/cohesion interactions M. Soroceanu, A.I. Barzic, I. Stoica, L. Sacarescu, E.G. Ioanid, V. Harabagiu <i>Int. J. Adhesion Adhesives</i> <b>74</b> , 131-136 (2017)
26.	Ferromagnetic materials obtained through ultrasonication. 1. Maghemite-goethite nanocomposites R. Rotaru, P. Samoila, D. Grigora, N. Lupu, V. Harabagiu <i>Rev. Roum Chim.</i> <b>62</b> (2), 131-138 (2017)
27.	Novel chitosan-functionalized samarium-doped cobalt ferrite for adsorptive removal of anionic dye from aqueous solutions A.-C. Humelnicu, C. Cojocaru, P. Pascariu Dorneanu, P. Samoila, V. Harabagiu <i>Comptes Rendus Chimie</i> , <b>20</b> (11-12), 1026-1036 (2017)
28.	Oxidation vs. degradation in polysaccharides: Pullulan – A case study S. Coseri, M. Bercea, V. Harabagiu, T. Budtova

	<i>Eur. Polym. J.</i> <b>85</b> , 82-91 (2016)
29.	Pullulan: A versatile coating agent for superparamagnetic iron oxide nanoparticles S. Coseri, A. Spatareanu, L. Sacarescu, V. Socoliuc, I.S. Stratulat, V. Harabagiu <i>J. Appl. Polym. Sci.</i> <b>133</b> (5), Article number 42926 (2016)
30.	Novel synthesis route for chitosan-coated zinc ferrite nanoparticles as potential sorbents for wastewater treatment M. Ignat, P. Samoila, C. Cojocaru, L. Sacarescu, V. Harabagiu <i>Chem. Eng. Commun.</i> <b>203</b> (12), 1591-1599 (2016)
31.	Viscose-barium titanate composite for electromagnetic shielding R. Rotaru, C. Peptu, V. Harabagiu <i>Cell. Chem. Technol.</i> <b>50</b> (5-6), 621-628 (2016)

## BREVETE

Nr. crt.	Brevet, autori
1.	Process for oxidizing cellulosic fibres using molecular oxygen S. Coseri, G. Biliuta, R. Ardeleanu, V. Harabagiu Patent Number(s): RO129374-A2/30. 04. 2014
2.	Unsoare siliconica multifunctionala (Multifunctional silicone grease) V. Harabagiu, C. Cotzur, N. Luchian, M. Bostan, M. Marcu, M. Istrate <i>Brevet Romania</i> 104.035, 22. 02. 1989

## PROIECTE NATIONALE

Program/Proiect	Funcția	Perioada
<b>PNIII – Proiecte complexe realizate in consortii</b>		
1. Contract 25PCCDI/2018: Motorul revolutiei energetice bazate pe hydrogen: pile de combustie, pe drumul de la cercetare la productie prin minimizarea barierelor tehnologice	responsabil partener	2018-2020
2. Contract 40PCCD/2018: Nanotehnologii pe baza de polimeri pentru obtinerea de noi materiale avansate	responsabil partener	2018-2020
<b>PNII-Program Parteneriate</b>		
3. Contract PNII-PT-PCCA-2013 <b>59</b> /2014: <i>Monitorizarea integritatii structurale si autorepararea palelor de turbine eoliene si a altor structuri di composite inteligente</i>	responsabil partener	2014-2016
4. Contract nr. PNII-PT-PCCA-2013-276/20114; <i>proiect Formulari complexe pe baza de lipozomi si ciclodextrina pentru terapia transdermala a durerii</i> Parteneri: Universitatea Tehnica „Gh. Asachi”, Iasi Universitatea de Medicina si Farmacie „Gr. T. Popa”, Iasi A&B. srl	director proiect	2014-2016
<b>PNII-Proiecte post-doctorale</b>		
5. PD-3-0357: Carbon mezoporos ordonat acoperit cu polimeri – materiale cu proprietăți multifuncționale	Tutore	2013-2015
6. P-3-027: <i>Ciclodextrinele – o cale a chimiei verzi către poliesteri alifatici</i>	Tutore	2011-2013
<b>Fonduri structurale</b>		
7. POSDRU/89/1.5/S/55216 - <i>Fondul Social European – Program de burse postdoctorale „Cristofor I. Simionescu”</i>	responsabil stiintific.tutore	2010-2013
<b>Granturi CNCSIS</b>		
8. Grant 64/2006: <i>Nanomateriale, interactiuni supramoleculare in sisteme polimerice si hibridi organici-anorganici : aspecte fundamentale, mecanisme, metode</i>	director proiect	2006-2008
<b>Program CEEx MATNANTECH</b>		
9. Proiect 40(510)/2005: <i>Retea stiintifica integrata pentru dezvoltarea de materiale polimere multifunctionale bazate pe cunoastere</i> Parteneri: Universitatea Tehnica „Gh. Asachi”, Iasi Institutul de Chimie Fizica „I.G. Murgulescu”, Bucuresti ICECHIM, Bucuresti ICPE-CA, Bucuresti Universitatea de Stiinte Agronomice si Medicina Veterinara „Ion Ionescu de la Brad”, Iasi Universitatea de Medicina si Farmacie, Iasi	director proiect	2005-2008
10. Contract 34/2005 (2005-2008): <i>Materiale magnetostrictive</i>	Responsabil	2005-2008

<i>multifunctionale pentru sisteme hibride inteligente de senzori, traductori</i>	partener	
<b>Program MATNANTECH</b> 11. <i>Structuri supramoleculare rotaxanice: sinteza, spectroscopie RMN, aplicatii biomedicale si in microelectronica</i>	director proiect	2003-2005
<b>Program CERES</b> 12. <i>Noi retele macromoleculare interpenetrante: procese, mecanisme, proprietati, aplicatii</i>	director proiect	2001-2004
<b>Program ORIZONT:</b> 13. <i>Polisiloxani - componente pentru proiectarea materialelor cu proprietati si utilizari speciale</i>	director proiect	2000-2002
<b>Granturi MEC/Academia Româna</b> 14. <i>GAR 3/2008; proiect AR-Fundatia Rusa de Stiinte: Synthesis and investigation of novel macromolecular and supramolecular structures</i>	responsabil partener	2008-2010
15. <i>Copolimeri siloxanici cu proprietati membranare</i>	collaborator	2001-2002
16. <i>Reactii chimice cu transfer de electroni in sinteza polimerilor</i>	responsabil stiintific	1999-2001
17. <i>Arhitecturi macromoleculare complexe pe baza de ciclodextrine modificate</i>	responsabil stiintific	1997-2000
18. <i>Reactii de aditie 1,3-dipolarofile si de polimerizare a heterociclorilor</i>	collaborator	1996-1998

## PROIECTE INTERNATIONALE

Program/Project	Funcțion	Period
<b>European Programs</b>		
1. FP7-REGPOT-2010-264115 – <i>STREAM: Strengthening the Romanian research capacity in multifunctionla polymeric materials</i> (13 parteneri asociati din Austria, Elvetia, Franta, Sermania, Polonia, Slovenia, Spania)	Project coordinator	2011-2014
2. FP7-PEOPLE-2007-216011 – <i>MINILUBES: Mechanisms of interactions in nano-scale of novel ionic lubricants with functional surfaces</i>	Team member	2008-2010
3. INCO-CT-2005-017142 – <i>RAINS: Romanian action for integrating, networking and strengthening the ERA. „Petru Poni” Institute of Macromolecular Chemistry</i>	Project manager	2005-2008
4. NMP3-CT-2005-500375 – <i>POLYSACHARIDES: The European polysaccharide network</i> (17 parteneri din Austria, Franta, Germania, Marea Britanie, Norvegia, Olanda, Polonia, Romania, Slovenia)	Project dissemination manager	2005-2009
5. NMP2-CT-2005-515762 – <i>I-STONE: Re-engineering of natural stone production chain through knowledge based processes, eco-innovation and new organisational paradigms</i>	Scientific responsible	2005-2008
6. GTC1-2002-73018 - <i>ERIC: Virtual institute for composites</i>	Scientific responsible	2003-2005
7. CRAFT G5ST-CT-2002-50293 – <i>BlockSave: A novel methodology for the safe handling and consolidation of dimensional stone blocks using a cost-efective vacuum-based technology and high penetrating resin formulation</i>	Scientific responsible	2003-2005
8. Growth G1RD-CT-1999-00130 - <i>SPONGE: New environmentally friendly technology for cellulose three dimensional objects</i>	Scientific responsible	2000-2003
9. PECO: <i>Constitutive rheological equation for polymers in processing conditions</i>	Team member	1994-1997
<b>COST Actions</b>		
10. COST Action CA 18220: <i>European network of FURan based chemicals and materials FOR a sustainable development</i>	National manager	2019-2022
11. COST Action CM 1302: <i>European network on smart inorganic polymers (SIPs)</i>	National manager	2013-2017
12. COST Action MC 537: <i>Core Laboratories for the improvement of medical devices in clinical practice from the analysis of implanted prostheses</i>	National manager	2004-2008

iunie 2020

  
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