



Europass Curriculum Vitae

Informatii personale

Prenume / Nume **Valeria HARABAGIU**

Adresa

Telefon

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E-mail

Nationalitate Romana

Data de nastere

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, II, I (1990, 1997, 2001 - prezent), sef laborator (2001-2013), secretar stiintific (2001-2018), director (din 2020)

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: din 2010), management

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

Nivelul in clasificarea nationala sau internationala

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

Nivelul in clasificarea nationala sau internationala

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

Spirit de echipa demonstrat prin activitati in diverse medii nationale si internationale
Abilitati de comunicare pentru public cu diferite grade de dezvoltare educationala

Abilitati si competente organizationale

Competente manageriale la nivel de proiect, laborator si institutional
Organizator de evenimente stiintifice nationale/internationale, scoli de vara, zile ale usilor deschise

Abilitati si competente tehnice

Productie de monomeri silanici si polimeri siloxanici la scara laborator, pilot, industrial

Abilitati si competente de calculator

Utilizator - nivel mediu

Abilitati si competente artistice

Alte abilitati si competente

Licenta auto

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 (2010-2019)
- Peste 230 articole cotate ISI, carti si capitole de carti
- Peste 35 conferinte invitate in tara si strainatate
- Cooperare: Centre of Polymer Chemistry, Zabrze, Poland (1996-to date); Ecole Nationale Supérieure des Mines de Paris, CEMEF Sophia Antipolis, France (1994-to date); 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-to date)
- 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 industriale
- Coordonator sau responsabil roman pentru proiecte internationale (FP 3, FP 5, FP 6 and FP 7, COST)
- Coordonator de proiecte nationale
- 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)
- Medalia "Gheorghe Spacu" a Societatii de Chimie din Romania (2009)

Annexe

1. Lista lucrari 2019-2023
2. Lista conferinte invitate/plenare/key notes
3. Lista proiecte nationale/internationale

Ianuarie 2024



LISTA LUCRARI (2019-2023)

Capitole de carte

1. H₂O₂ as efficient oxidizing agent for wool processing and the preparation of wool-based materials; B. Condurache, P. Samoila, V. Harabagiu; *Environmental and Technological Aspects of Redox Processes*; (Eds.) G. Duca, A. Vaseashta; Editura IGI Global; 323-347 (2023)
2. A model microalga for addressing air treatment in spacecrafts; G. Soreanu, I. Cretescu, M. Diaconu, M. Ignat, C. Cojocaru, V. Harabagiu, P. Samoila; Chapter 19 in *From Biofiltration to Promising Options in Gaseous Fluxes Biotreatment: Recent Developments, New Trends, Advances, and Opportunities*; G. Soreanu, E. Dumont, Eds., Elsevier Inc., Paperback ISBN: 9780128190647, eBook ISBN: 9780128190654; 397-416 (2020)
3. Chitosan-based drug delivery systems; C. Peptu, A.-C. Humelnicu, R. Rotaru, M. E. Fortuna, X. Patras, M. Teodorescu, B. I. Tamba, V. Harabagiu; Chapter 11 in *Chitin and Chitosan: Properties and Applications*; editori Lambertus A.M. van den Broek si Carmen G. Boeriu, Editura Wiley; ISBN: 9781119450436; 259–289 (2020)
4. Chitin and chitosan for water purification; P. Samoila, A.-C. Humelnicu, M. Ignat, C. Cojocaru, V. Harabagiu, Capitol 17 in *Chitin and Chitosan: Properties and Applications*; Eds. Lambertus A.M. van den Broek, Carmen G. Boeriu; Editura Wiley; ISBN: 9781119450436; 429–460 (2020)

Articole publicate in reviste cotate de Web of Science (Thomson Reuters)

5. Custom-modified oligolactide-cyclodextrin derivatives for electrospun drug formulations; C. Peptu, D.-A. Blaj, M. Balan-Porcarasu, C.A. Peptu, V. Harabagiu; *European Polymer Journal* 1961,12234 (2023) (FI₂₀₂₂ = 6) (Q_{FI} = Q1) (AIS₂₀₂₂ = 0.669) (Q_{AIS} = Q1)
6. Thermal and viscoelastic responses of selected lignocellulosic wastes: similarities and differences; D. Ioniță, M. Cristea, S. F. Cosmulescu, G. Predeanu, V. Harabagiu. P. Samoilă; *Polymers* 15, 2100 (2023) (FI₂₀₂₂ = 5,0) (Q_{FI} = Q1) (AIS₂₀₂₂ = 0,604) (Q_{AIS} = Q1)
7. Magnetic ionotropic hydrogels based on carboxymethyl cellulose for aqueous pollution mitigation; A.-C. Enache, I. Grecu, P. Samoilă, C. Cojocaru, V. Harabagiu; *Gels* 9(5), 358 (2023) (FI₂₀₂₂ = 4.6) (Q_{FI} = Q1) (AIS₂₀₂₂ = 0.626) (Q_{AIS} = Q1)
8. Polyurethane degradable hydrogels based on cyclodextrin-oligocaprolactone derivatives; A.-D. Diaconu, C.-L. Logigan, C. A. Peptu, C. Ibănescu, V. Harabagiu; *C. Peptu Gels* 9, 755 (2023) (FI₂₀₂₂ = 4,6) (Q_{FI} = Q1) (AIS₂₀₂₂ = 0,626) (Q_{AIS} = Q1)
9. Adsorption of Brilliant Green onto a mercerized biosorbent: Kinetic, thermodynamic and molecular docking studies, A. C. Enache, C. Cojocaru, P. Samoila, V. Ciornea, R. Apolzan, G. Predeanu, V. Harabagiu, *Molecules*, 28, Article 4129/1-21 (2023) (FI₂₀₂₂ = 4,6) (Q_{FI} = Q2) (AIS₂₀₂₂ = 0,659) (Q_{AIS} = Q2)
10. An eco-friendly modification of a walnut shell biosorbent for increased efficiency in wastewater treatment; A.-C. Enache, P. Samoilă, C. Cojocaru, R. Apolzan, G. Predeanu, V. Harabagiu; *Sustainability* 15(3), 2704 (2023) (FI₂₀₂₂ = 3.9) (Q_{FI} = Q2) (AIS₂₀₂₂ = 0.256) (Q_{AIS} = Q3)
11. Enhanced photodegradation of organic pollutants by novel samarium-doped zinc aluminium spinel ferrites; I. Grecu, P. Samoilă, P. Pascariu, C. Cojocaru, M. Ignat, I.-A. Dascalu, V. Harabagiu; *Catalysts* 13(2), 266 (2023) (FI₂₀₂₂ = 3.9) (Q_{FI} = Q2) (AIS₂₀₂₂ = 0.591) (Q_{AIS} = Q2)
12. Enhancing the photocatalytic activity of tio2 for the degradation of Congo Red dye by adjusting the ultrasonication regime applied in its synthesis procedure; E. Turcu, C.G. Coromelci, V. Harabagiu, M. Ignat; *Catalysts* 13(2), 345 (2023) (FI₂₀₂₂ = 3.9) (Q_{FI} = Q2) (AIS₂₀₂₂ = 0.591) (Q_{AIS} = Q2)
13. Green synthesis of advanced carbon materials used as precursors for adsorbents applied in wastewater treatment, G. Predeanu, V. Slavescu, M. F. Dragoescu, N. M. Balanescu, A. Fiti, A. Meghea, P. Samoila, V. Harabagiu, M. Ignat, A. M. Manea-Saghin, B. S. Vasile, N. Badea, *Materials* 16, Article 1036/1-24 (2023) (FI₂₀₂₂ = 3,4) (Q_{FI} = Q2) (AIS₂₀₂₂ = 0,51) (Q_{AIS} = Q3)
14. Polyethylene glycol-isophorone diisocyanate polyurethane prepolymers tailored using MALDI MS; D.-A. Blaj, A.-D. Diaconu, V. Harabagiu, C. Peptu; *Materials* 16(2), 821(2023) (FI₂₀₂₂ = 3.4) (Q_{FI} = Q2) (AIS₂₀₂₂ = 0.510) (Q_{AIS} = Q2)
15. The influence of ultrasonic and thermal treatments in electric field on high-k cellulose-barium titanate composites; R. Rotaru, C.-M. Popescu, A. Dascalu, D. Timpu, M. Asandulesa, M.E. Fortună, V. Harabagiu; *Revue Roumaine de Chimie* 68 (3–4), 173–183 (2023) (FI₂₀₂₂ = 0,5) (Q_{FI} = Q4) (AIS₂₀₂₂ = 0.052) (Q_{AIS} = Q4)
16. Cellulose derivative/barium titanate composites with high refractive index, conductivity and energy density; A.I. Barzic, M. Soroceanu, R. Rotaru, F. Doroftei, M. Asăndulesa, C. Țugui, I.A. Dascălu, V. Harabagiu; *Cellulose*, 29, 863–878 (2022) (FI₂₀₂₁ = 6,12) (Q1)

17. Influence of fuel nature on sol–gel microwave-ignited combustion synthesis of nanosized cobalt and nickel spinel ferrites; E. Mahu, P. Samoilă, M. Ignat, C. Cojocaru, V. Harabagiu; *Comptes Rendus Chimie*, 25 (S3), 189-202 (2022) (FI2021 = 2,55) (Q3)
18. Innovative nanostructured magnetite/wool/polysiloxane composite as magnetic adsorbent for oil spill removal; B.C. Condurache, C. Cojocaru, P. Pascariu, P. Samoilă, V. Harabagiu; *Comptes Rendus Chimie*, 25 (S3), 245-260 (2022) (FI2021 = 2,55) (Q3)
19. Evaluation of Physically and/or Chemically Modified Chitosan Hydrogels for Proficient Release of Insoluble Nystatin in Simulated Fluids; A.-C. Enache, C. Cojocaru, P. Samoilă, A. Bele, A.-C. Bostănaru, M. Mareş, V. Harabagiu; *Gels*, 8(8), 495 (2022) (FI2021 = 4,43) (Q1)
20. Effects of Hybrid Polymeric Material Based on Polycaprolactone on the Environment; M.E. Fortună, E. Ungureanu, D.C. Jităreanu, D.C. Țopa, V. Harabagiu; *Materials*, 15(14), 4868 (2022) (FI2021 = 3,74) (Q2)
21. Ultrasonic-assisted rapid preparation of sulfonated polyether ether ketone (PEEK) and its testing in adsorption of cationic species from aqueous solutions; L. Baltag, C. Cojocaru, A.-C. Enache, P. Samoilă, V. Harabagiu; *Materials*, 15, 7558 / 1-17 (2022) (FI2021 = 3,74) (Q2)
22. Amphiphilic Chitosan Porous Membranes as Potential Therapeutic Systems with Analgesic Effect for Burn Care; A.-C. Enache, P. Samoilă, C. Cojocaru, A. Bele, A.-C. Bostănaru, M. Mareş, V. Harabagiu; *Membranes*, 12(10), 973 / 1-22 (2022) (FI2021 = 4,56) (Q1)
23. Oxidized Biomass and Its Usage as Adsorbent for Removal of Heavy Metal Ions from Aqueous Solutions; B.-C. Condurache, C. Cojocaru, S.F. Cosmulescu, G. Predeanu, A.-C. Enache, V. Harabagiu; *Molecules*, 27(18), 6119 (2022) (FI2021 = 4,92) (Q2)
24. Chitosan-Based Therapeutic Systems for Superficial Candidiasis Treatment. Synergetic Activity of Nystatin and Propolis; A.-C. Humelnicu, P. Samoilă, C. Cojocaru, R. Dumitriu, A.-C. Bostănaru, M. Mareş, V. Harabagiu, B.C. Simionescu; *Polymers*, 14(4), 689, (2022) (FI2021 = 4,97) (Q1)
25. Cu(II)/Guanidine Functionalized Disiloxane Complex of Supramolecular Structures for Visible Light-Driven Photocatalysis of Congo Red; M.E. Fortună, L. Pricop, M. Zaltariov, D. Popovici, M. Ignat, V. Harabagiu, B.C. Simionescu; *Polymers*, 14(4), 817 (2022) (FI2021 = 4,97) (Q1)
26. The Influence of the Hydroxyl Type on Crosslinking Process in Cyclodextrin Based Polyurethane Networks; C. Peptu, A.D. Diaconu, C.A. Peptu, M. Cristea, V. Harabagiu; *Gels*, 8 (6), 348 (2022) (FI2021 = 4,43) (Q1)
27. Data-driven modeling and optimization of oil spill sorption by wool fibers: retention kinetics and recovery by centrifugation; B.C. Condurache, C. Cojocaru, P. Samoila, M. Ignat, V. Harabagiu; *International Journal of Environmental Science and Technology*, 19(1), 367–378 (2022) (FI2021 = 3,51) (Q3)
28. Boosting catalytic wet-peroxide-oxidation performances of cobalt ferrite by doping with lanthanides for organic pollutants degradation; P. Samoila, C. Cojocaru, E. Mahu, M. Ignat, V. Harabagiu; *Journal of Environmental Chemical Engineering* 9, 104961 (2021) FI = 5,909
29. Synthesis of benzaldehyde-grafted polysilane: A highly stable and selective “turn-on” fluorescent sensor for cytosine; A.L. Chibac-Scutaru, C. Cojocaru, G. Roman, P. Samoila, G. Sacarescu, M. Simionescu, L. Sacarescu; *Journal of Molecular Liquids* 326, 115300 (2021) FI = 5,85
30. Calcium carbonate - carboxymethyl chitosan hybrid materials; M. E. Fortuna, E. Ungureanu, C. D. Jitareanu; *Materials* 14(12), 3336 (2021) FI = 3,623
6. Tailoring mesoporous titania features by ultrasound-assisted sol-gel technique: effect of surfactant/titania precursor weight ratio; E. Mahu, C. C. Giorgiana, L. Doina, I. Asaftei, L. Sacarescu, V. Harabagiu, M. Ignat, *Nanomaterials* 11, 1263 (2021) FI = 5,076
31. Cyclodextrin-oligolactide conjugates: monitoring synthesis parameters by MALDI-TOF mass spectrometry; D.A. Blaj, C. Peptu, M. Balan-Porcarasu, A.B. Petre, V. Harabagiu; *Polymer* 233, 124186 (2021) FI = 4,43
32. Bio-based ionically cross-linked alginate composites for PEMFC potential applications, P. Samoila, I. Grecu, M. Asandulesa, C. Cojocaru, V. Harabagiu, *Reactive and Functional Polymers* 165, 104967 (2021) FI = 3,975
33. Thermo- and pH-responsive copolymer of N-isopropylacrylamide with acryloylvaline: synthesis and properties in aqueous solutions; E. Tarabukina, V. Harabagiu, Gh. Fundueanu, M. Constantin, A. Filippov; *Journal of Polymer Research* 28(5), 155 (2021)
34. Investigation of a biosystem based on *Arthrospira platensis* for air revitalisation in spacecrafts: Performance evaluation through response surface methodology; G. Soreanu, I. Cretescu, M. Diaconu, C. Cojocaru, M. Ignat, P. Samoila, V. Harabagiu; *Chemosphere* 264, 128465 (2021) FI = 5,778

35. 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; *Polymers* **12**(5), Open access, Art. no. 1125 (2020)
36. 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; *Nanomaterials* **10**(5), Open access, Art. no. 998 (2020)
37. Optical Dispersion Characteristics of Polyvinyl Alcohol Reinforced with a Nanoceramic Filler; A.I. Barzic, M. Soroceanu, R. Rotaru, V. Harabagiu, R.C. Ciobanu; *Materiale Plastice* **57**(1), 1-7 (2020)
38. 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; *J. Macromol. Sci. Part B-Phys.* **59**(2), 100-120 (2020)
39. 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; *Romanian Journal of Morphology and Embryology = Revue Roumaine de Morphologie et Embryologie* **60**(3), 869-874 (2019)
40. Viscose-maghemite/goethite polymeric composite as sorbent for oil spill cleanup; R. Rotaru, M.E.Fortună, C. Cojocaru, P. Samoilă, L. Pricop, V. Harabagiu; *Env. Eng. Manag. J.* **18**(6), 1193-1200 (2019)
41. 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; *Phosphorus Sulfur and Silicon and the Related Elements* **194**, 995-1002 (2019) DOI: 10.1080/10426507.2019.1631314
42. 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; *Macromol. Res.* **27**(12), 1210-1220 (2019)
43. Aminophenyl)porphyrins 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; *J. Porphyrins Phthalocyanines* **23**(9), 1001-1012 (2019); DOI: 10.1142/S1088424619500573
44. 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; *J. Inorg. Organomet Polym. Mater.* **29**(6), 2024-2034 (2019)
45. Porous polymer/inorganic composite matrices as efficient desiccants for air dehumidification; M. Ignat, P. Samoila, C. Cojocaru, G. Soreanu, I. Cretescu, V. Harabagiu; *Appl. Surf. Sci.* **487**, 1189-1197 (2019)
46. Effect of synthesis parameters on sorptive properties of glycerol-derived mesoporous carbon; M. Ignat, L. Sacarescu, M.E. Fortuna, P. Cool, V. Harabagiu; *Env. Eng. Manag. J.* **18**, 59-69 (2019)
47. 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; *Farmacia* **67**(1), 117-125 (2019)


 Daniela Elena Harabagiu

Conferinte invitate/plenare/keynote prezentate la manifestari stiintifice internationale

1. Silicon- and carbon-based materials: yesterday, today, tomorrow; V. Harabagiu, ICPAM-15, 15th International Conference on Physics of Advanced Materials, Sharm El Sheikh, Egypt, 19-26 noiembrie 2023 (conferință plenară) 2. Effective strategies to modify ferrite nanoparticles toward improving (photo)catalytic properties, M. Ignat, P. Samoilă, V. Harabagiu. ICPAM-15, 15th International Conference on Physics of Advanced Materials, Sharm El Sheikh, Egypt, 19-26 noiembrie 2023 (conferință plenară)
2. Polymers from renewable resources for nowadays engineered materials; V. Harabagiu, P. Samoilă, 14th Advanced Polymers via Macromolecular Engineering” Conference (APME23); Paris, Franța, 23-27 aprilie 2023 (conferință invitată)
3. Sustainable bio-based materials for non-conventional energy production and environment protection; V. Harabagiu, P. Samoilă, C. Cojocaru, A.-C. Enache; 14th International Conference on Physics of Advanced Materials, , Dubrovnik, Croația, 08-15.09.2022 (conferință plenară)
4. Polysaccharide composites – energy related applications; V. Harabagiu, P. Samoila, R. Rotaru, I. Grecu; 23rd International Conference “New Cryogenic and Isotope Technologies for Energy and Environment” - EnergEn 2021; Baile Govora, 26-29 octombrie, 2021

Conferinte invitate/plenare/keynote prezentate la manifestari stiintifice nationale

1. High-tech and bio-oriented polysaccharide composites; V. Harabagiu, M. Ignat, P. Samoilă, A. Enache, R. Rotaru, B. Condurache; 14th Edition of symposium with international participation - New trends and strategies in the chemistry of advanced materials with relevance in biological systems, technique and environmental protection; Timișoara, România, 20-21.10.2022 (conferință plenară)



D. [Redacted] Harabagiu

PROIECTE NATIONALE

Program/Proiect	Funcția	Perioada
PNIII – Proiecte complexe realizate in consortii		
1. Contract 25PCCDI/2018: Motorul revolutiei energetice bazate pe hydrogen: pile de compustie, pe drumul de la cercetare la productie prin minimizarea barierelor tehnologice; Coordonator: ICSI Rm. Valcea	responsabil partener	2018-2021
2. Contract 40PCCD/2018: Nanotehnologii pe baza de polimeri pentru obtinerea de noi materiale avansate; Coordonator: ICECHIM, Bucuresti	responsabil partener	2018-2021
PNII-Program Parteneriate		
3. Contract PNII-PT-PCCA-2013 59/2014: <i>Monitorizarea integritatii structurale si autorepararea palelor de turbine eoliene si a altor structuri di composite inteligente</i>	responsabil partener	2014-2017
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	2014-2017
PNIII si PNII-Proiecte post-doctorale		
5. PN-III-P1-1.1-PD-2021- 0687: <i>Polysiloxane/metal complexes composites with dielectric elastomers properties (DE Comp)</i> (A. Soroceanu)	Tutore	2022-2024
6. PN-III-P1-1.1-PD-2019- 0649: <i>Compozite siliconice cu raspuns la stimuli multipli pentru traductoare cu functiune dubla comutabila</i> (C. Tugui)	Tutore	2020-2022
7. PNII-PD-3-0357: <i>Carbon mezoporos ordonat acoperit cu polimeri – materiale cu proprietăți multifuncționale</i> (M. Ignat)	Tutore	2013-2015
8. PNII-P-3-027: <i>Ciclodextrinele – o cale a chimiei verzi către poliesteri alifatici</i> (C. Peptu)	Tutore	2011-2013
Fonduri structurale		
7. POSDRU/89/1.5/S/55216 - <i>Fondul Social European – Program de burse postdoctorale „Cristofor I. Simionescu”</i>	responsabil stiintific.tutore	2010-2013
Granturi CNCSIS		
8. Grant 64/2006: <i>Nanomateriale, interactiuni supramoleculare in sisteme polimerice si hibrizi organici-anorganici : aspecte fundamentale, mecanisme, metode</i>	director proiect	2006-2008
Program CEEx MATNANTECH		
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 multifunctionale pentru sisteme hibride inteligente de senzori, traductori</i>	Responsabil partener	2005-2008
Program MATNANTECH		
11. <i>Structuri supramoleculare rotaxanice: sinteza, spectroscopie RMN, aplicatii biomedicale si in microelectronica</i>	director proiect	2003-2005
Program CERES		
12. <i>Noi retele macromoleculare interpenetrate: procese, mecanisme, proprietati, aplicatii</i>	director proiect	2001-2004
Program ORIZONT:		
13. <i>Polisiloxani - componente pentru proiectarea materialelor cu</i>	director proiect	2000-2002

<i>proprietati si utilizari speciale</i>		
Granturi MEC/Academia Româna		
14. GAR 3/2008; proiect AR-Fundatia Rusa de Stiinte: <i>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	Funcțiun	Period
European Programs		
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>POLYSACCHARIDES: 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
COST Actions		
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


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