



Europass Curriculum Vitae

Personal information

First name(s) / Surname(s) **Valeria V. HARABAGIU**
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E-mail hvaleria@icmpp.ro
Nationality Romanian
Date of birth 18.06.1950
Gender Female

Desired employment / Occupational field

Work experience

Dates	1974 - 1977
Occupation or position held	Young engineer
Main activities and responsibilities	Installation and running tests of tire production equipments, artificial fibers processing
Name and address of employer	"Victoria" Tire Company, Floresti-Prahova; "Victoria" Silk Company, Iasi
Type of business or sector	Industry
Dates	1977 – to date
Occupation or position held	Senior researcher (since 1997), Head of Department (2001-2013) / Deputy Director of the Institute (since 2001)
Main activities and responsibilities	Research, teaching (PhD supervisor from 2009, postdoc tutor 2010-2015), management
Name and address of employer	"Petru Poni" Institute of Macromolecular Chemistry, Iasi
Type of business or sector	Research

Education and training

Dates	October 1985 - April 1992
Title of qualification awarded	PhD
Principal subjects/occupational skills covered	Multifunctional radical polymerization initiators/organic and macromolecular chemistry; physical chemistry of polymers
Name and type of organisation providing education and training	"Gh. Asachi" Technical University, Iasi
Level in national or international classification	
Dates	1969 – 1974
Title of qualification awarded	Chemical engineer, Polymer Chemistry and Technology
Principal subjects/occupational skills covered	Inorganic chemistry, organic chemistry, macromolecular chemistry, analytical chemistry, physical chemistry, physics, mathematics, mechanics, polymer physical chemistry, transfer phenomena, specific equipments and technologies for chemical engineering, technical drawing a.s.o.
Name and type of organisation providing education and training	"Gheorghe Asachi" Polytechnic Institute, Iasi

Level in national or international classification

Personal skills and competences

Mother tongue(s)

Romanian

Other language(s)

Self-assessment

European level (*)

Language English

Language French

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
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](#)

Social skills and competences

Team spirit (working in different research teams, including international teams)
Communication skills

Organisational skills and competences

Managerial skills (project level and institutional level)
Organizer of national/international scientific events, summer schools, open day actions

Technical skills and competences

Production of silane monomers and of siloxane polymers at laboratory, pilot and industrial scale

Computer skills and competences

Medium level user

Artistic skills and competences

Other skills and competences

Driving licence

B category

Additional information

- Member of the Coordination Committee of the Romanian Chemical Society
- Member of the European Academy of Sciences and Arts, of the Romanian Chemical Society
- Member of the Editorial Board of International Journal of Polymer Analysis and Characterization
- More than 160 ISI articles, books and book chapters
- More than 20 invited lectures in Romania and abroad
- Cooperation: 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)
- Organizer and co-organizer of different national and international scientific events (e.g. EPNOE International Polysaccharide Conference: Warsaw, Poland, 2015; Nice, France, 2013; Wageningen, Holland, 2011; Turku, Finland, 2009)
- Coordinator of 5 industrial contracts
- Coordinator or Romanian person in charge of international projects supported by the EC (FP 3, FP 5, FP 6 and FP 7)
- Romanian person in charge of 8 bilateral international projects
- Coordinator of 8 national projects
- "N. Teclu" Prize of the Romanian Academy (1994)
- "Gheorghe Spacu" Medal of the Romanian Chemical Society (2009)

Annexes

List of papers
List of projects

March 2017

ISI papers (2010-2016)

1. Plasma effect on polyhydrosilane/metal interfacial adhesion/cohesion interactions; M. Soroceanu, A.I. Barzic, I. Stoica, L. Sacarescu, E.G. Ioanid, V. Harabagiu; *Int. J. Adhesion Adhesives* **74**, 131-136 (2017)
2. 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; *Polymer Testing* **59** 377-389 (2017)
3. Oxidation vs. degradation in polysaccharides: Pullulan – A case study; S. Coseri, M. Bercea, V. Harabagiu, T. Budtova; *Eur. Polym. J.* **85**, 82-91 (2016)
4. 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; *Chem. Eng. Commun.* **203**(12), 1591-1599 (2016)
5. Viscose-barium titanate composite for electromagnetic shielding; R. Rotaru, C. Peptu, V. Harabagiu; *Cell. Chem. Technol.* **50**(5-6), 621-628 (2016)
6. Pullulan: A versatile coating agent for superparamagnetic iron oxide nanoparticles; S. Coseri, A. Spatareanu, L. Sacarescu, V. Socoliuc, I.S. Stratulat, V. Harabagiu; *J. Appl. Polym. Sci.* **133**(5), 42926-42 (2016)
7. Behavior of thermo- and pH-responsive copolymer of N-isopropylacrylamide and maleic acid in aqueous solutions; E.B. Tarabukina, M.A. Simonova, S. Bucatariu, V. Harabagiu, G. Fundueanu, A.P. Filippov; *Int. J. Polym. Anal. Charact.* **21**(1), 11-17 (2016)
8. Pullulan: a versatile coating agent for superparamagnetic iron oxide nanoparticles; S. Coseri, A. Spatareanu, L. Sacarescu, V. Socoliuc, I.S. Stratulat, V. Harabagiu; *J. Appl. Polym. Sci.* **133**(5), 42926-42 (2016)
9. Green synthesis of the silver nanoparticles mediated by pullulan and 6-carboxypullulan; S. Coseri, A. Spatareanu, L. Sacarescu, C. Rimbu, D. Suteu, S. Spirk, V. Harabagiu; *Carbohydr. Polym.* **116**, 9-17 (2015)
10. Effect of concentration on the properties of heat- and pH-sensitive copolymers of Ppoly(N-isopropylacrylamide) with maleic acid in aqueous solutions; M.A. Simonova, E.B. Tarabukina, A.P. Filippov, G. Fundueanu, V. Harabagiu, M. Constantin, I. Popescu; *Fibre Chem.* **47**(3), 152-155 (2015)
11. Nanotechnology approaches for pain therapy through transdermal drug delivery; C. Peptu, R. Rotaru, L. Ignat, A.C. Humelnicu, V. Harabagiu, C.A. Peptu, M.-M. Leon, F. Mitu, E. Cojocaru, A. Boca, B.I. Tamba; *Curr. Pharm. Design* **21**, 6125-6139 (2015)
12. PNiPAM-functionalized mesoporous carbon for the absorption of Vitamin B2; M. Ignat, M.E. Fortuna, L. Sacarescu, M.F. Zaltariov, V. Harabagiu; *Env. Eng. Manag. J.* **14**(3), 607-613 (2015)
13. The influence of polysilane chemical structure on optical properties, rubbed film morphology and LC alignment; M. Soroceanu, A.I. Barzic, I. Stoica, L. Sacarescu, V. Harabagiu; *Express Polym. Lett.* **9**(5), 456-468 (2015)
14. Organic-inorganic hybrid nanomaterials based on inorganic oxides and a mesomorphic polyazomethine; E. Perju, L. Ghimpu, G. Hitruc, V. Harabagiu, M. Bruma, L. Marin; *High Perform. Polym.* **27**(5) 546-554 (2015)
15. Magnetic properties of nanosized Gd doped Ni-Mn-CR ferrites prepared using the sol-gel autocombustion technique; P. Samoila, L. Sacarescu, A.I. Borhan, D. Timpu, M. Grigoras, N. Lupu, M. Zaltariov, V. Harabagiu; *J. Magnet. Mater.* **378**, 92-97 (2015)
16. Nanosized Spinel Ferrites Synthesized by Sol-Gel Autocombustion for Optimized Removal of Azo Dye from Aqueous Solution; P. Samoila, C. Cojocaru, I. Cretescu, C.D. Stan, V. Nica, L. Sacarescu, V. Harabagiu; *J. Nanomater.* 1-13 (2015)
17. In vitro biocompatibility of HPC - modified polyurethane membranes; M. Butnaru, D.C. Dimitriu, O. Bredetean, D. Macocinschi, V. Harabagiu; *Materiale Plastice* **52**(3), 290-294 (2015)
18. Computational study of the electronic absorption spectra of polyhydrosilanes; L. Sacarescu, M. Fortuna, M. Soroceanu, C. Cojocaru, G. Sacarescu, M. Simionescu, V. Harabagiu; *Silicon* **7** 343-349 (2015)
19. Synthesis and Investigation of Double Stimuli-Responsive Behavior of Nisopropylacrylamide and Maleic Acid Copolymer in Solutions; A. Filippov, E. Tarabukina, M. Simonova, T. Kirila, G. Fundueanu, V. Harabagiu, M. Constantin, I. Popescu; *J. Macromol Sci. Part B: Phys.* **54** (9), 1105-1121 (2015)
20. The effect of permethylated cyclodextrins encapsulation on the photophysical properties of a polyfluorene with randomly distributed electron-donor and rotaxane electron-acceptor units; A. Farcas, A.-M. Resmerita, P.-H. Aubert, I. Stoica, F. Farcas, A. Airinei; *Beilstein J. Org. Chem.* **10**, 2145-2156 (2014)
21. Synthesis, characterization and solution behaviour of oxidized pullulan; A. Spatareanu, M. Bercea, T. Budtova, V. Harabagiu, L. Sacarescu, S. Coseri; *Carbohydr. Polym.* **111**, 63-71 (2014)
22. Modification of β -cyclodextrin through solution ring-opening oligomerization of β -butyrolactone; C. Peptu, I. Kwiecien, V. Harabagiu, B. C. Simionescu, M. Kowalczyk; *Cell. Chem. Technol.* **48**, 1-10 (2014)
23. Electrooptical properties of aromatic oligoazomethine/permethylated β -cyclodextrin main-chain polyrotaxanes; A. Stefanache, M. Balan, V. Harabagiu, P. H. Aubert, P. Guegan, A. Farcas; *Chem. Phys. Lett.* **599**, 104-109 (2014)
24. Poly(N-isopropylacrylamide-co-methacrylic acid) pH/thermo-responsive porous hydrogels as self-regulating drug delivery system; M. Constantin, S. Bucatariu, V. Harabagiu, I. Popescu, P. Ascenzi, G. Fundueanu; *Eur. J. Pharm. Sci.* **62**, 86-95 (2014)
25. Poly[2,7-(9,9-dioctylfluorene)-alt-(5,5'-bithiophene/permethylated β -cyclodextrin)] main chain polyrotaxane: Synthesis, characterization and surface morphology; A. Stefanache, M. Sillion, I. Stoica, A. Fifere, V. Harabagiu, A. Farcas; *Eur. Polym. J.* **50**, 223-234 (2014)
26. Do cyclodextrins bound to dextran microspheres act as sustained delivery systems of drugs?; M. Constantin, S. Bucatariu, V. Harabagiu, P. Ascenzi, G. Fundueanu; *Int. J. Pharm.* **469**, 1-9 (2014)

27. Morphological investigation of poly[methyl(H)silane-co-diphenylsilane] irradiated by XeCl excimer laser; M. Soroceanu, L. Sacarescu, E. G. Hitruc, C. Ursu, V. Harabagiu; *Int. J. Polym. Anal. Charact.* **19**, 482-488 (2014)
28. Carbohydrate based nanoparticles for drug delivery across biological barriers; C.A. Peptu, L. Ochiuz, L. Alupej, C. Peptu, M. Popa; *J. Biomed. Nanotech.* **10**, 2107-2148 (2014)
29. TiO₂-coated mesoporous carbon: Conventional vs. microwave-annealing process; C. Coromelci-Pastravanu, M. Ignat, E. Popovici, V. Harabagiu; *J. Hazardous Mater.* **278**, 382-390 (2014)
30. Nanocomposites based on aromatic polyamide-imide and magnesium hydrosilicate nanotubes; G. Gubanova, S. Kononova, S. Bronnikov, K. Romashkova, T. Sukhanova, E. Korytkova, D. Timpu, M. Cristea, V. Harabagiu; *J. Macromol. Sci., Part B: Phys.* **53**, 555-567 (2014)
31. Surface modifications of aromatic polyimides by RF-oxygen plasma and pulsed electrical discharges in water; C. Miron, I. Sava, M. Aflori, L. Ursu, I. Jepu, C. Porosnicu, C.P. Lungu, L. Sacarescu, V. Harabagiu; *JOAM* **16**, 1206-1211 (2014)
32. Synthesis and characterization of thermosensitive poly(N-isopropylacrylamide-co-hydroxyethylacrylamide) microgels as potential carriers for drug delivery; S. Bucatariu, G. Fundueanu, I. Prisacaru, M. Balan, I. Stoica, V. Harabagiu, M. Constantin; *J. Polym. Res.* **21**, Article number: 580 (2014)
33. Effect of permethylated β -cyclodextrin on the photophysical properties of poly[2,7-(9,9-dioctylfluorene)-alt-[5,5'-bithiophene]] main chain polyrotaxanes; A. Farcas, G. Tregnago, A. M. Resmerita, S. T. Dehkordi, S. Cantin, F. Goubard, P. H. Aubert, F. Cacialli; *J. Polym. Sci: Part A: Polym. Chem.* **52**, 460-471 (2014)
34. Chemical investigation on various aromatic compounds polymerization in low pressure helium plasma; M. Asandulesa, I. Topala, Y. M. Legrand, S. Roualdes, V. Rouessac, V. Harabagiu; *Plasma Chem. Plasma Proc.* **34**, 1219-1232 (2014)
35. Pulsed electrical discharges in silicone emulsion; C. Miron, M. Balan, L. Pricop, V. Harabagiu, I. Jepu, C. Porosnicu, C. P. Lungu; *Plasma Proc. Polym.* **11**, 214-221 (2014)
36. Comparison study of TEMPO and phthalimide-N-oxyl (PINO) radicals on oxidation efficiency toward cellulose; G. Biliuta, L. Fras, M. Drobota, Z. Persin, TKreze, K. Stana-Kleinschek, V. Ribitsch, V. Harabagiu, S Coseri; *Carbohydr. Polym.* **91**, 502-507 (2013)
37. Removal of anionic dyes from aqueous solutions by an ion-exchanger based on pullulan microspheres; M. Constantin, I. Asmarandei, V. Harabagiu, L. Ghimici, P. Ascenzi, G. Fundueanu; *Carbohydr. Polym.* **91**, 74-84 (2013)
38. Molecular structure and electronic properties of pyridylindolizine derivative containing phenyl and phenacyl groups: Comparison between semi-empirical calculations and experimental studies; C. Cojocaru, A. Rotaru, V. Harabagiu, L. Sacarescu; *J. Molec. Struct.* **1034**, 162-172 (2013)
39. Surface-enhanced fluorescence of *in situ* synthesized polysilane-silver nanoparticles; G. Sacarescu, E. Taran, B.C. Donose, M. Simionescu, V. Harabagiu, L. Sacarescu; *polym. Int.* **61**, 1726-1732 (2012)
40. Synthesis and characterization of low-molecularweight π -conjugated polymers covered by persilylated β -cyclodextrin; a. Farcas, A. Resmerita, A.M. Stefanache, A. Balan, V. Harabagiu; *Beilstein J. Org. Chem.* **8**, 1505-1514 (2012)
41. Prediction of the appropriate size of drug molecules that could be released by a pulsatile mechanism from pH/thermo-responsive microspheres obtained from preformed polymers; G. Fundueanu, M. Constantin, I. Oanea, V. Harabagiu, P. Ascenzi, B.C. Simionescu; *Acta Biomaterialia* **8**(3), 1281-1289 (2012)
42. Microwave-assisted Wurtz coupling of methylphenyldichlorosilane in solvent-free conditions; G. Sacarescu, M. Simionescu, V. Harabagiu, L. Sacarescu; *E-Polymers* Article Number: **013**, Published: JAN 22 2012, Accession Number: WOS:000299544900003
43. Molecular Level Differentiation Between End-Capped and Intramolecular Azofunctional Oligo(ϵ -caprolactone) Positional Isomers Through Liquid Chromatography Multistage Mass Spectrometry; C. Peptu, O.F. van den Brink, V. Harabagiu, B.C. Simionescu, M. Kowalczyk, J. Silberring; *J. Polym. Sci.: Part A: Polym. Chem.* **50** (12), 2421-2431 (2012)
44. Biological performance of polyurethane membranes for implantable devices; M. Butnaru, O. Bredetean, L. Knieling, D. Macocinschi, S. Vlad, D. Filip, X. Patras, V. Harabagiu; *2011 E-Health and Bioengineering Conference, EHB 2011*, art. no. 6150398
45. Surface roughness, albumin adsorption and thrombogenicity of cellulose-blended polyurethane membranes; M. Butnaru, D. Macocinschi, I. Stoica, C.D. Dimitriu, L. Andreea, S. Vlad, D. Filip, V. Harabagiu; *2011 E-Health and Bioengineering Conference, EHB 2011*, art. no. 6150399
46. Studies on graft copolymerization of 3-acrylamidopropyl trimethylammonium chloride on pullulan; M. Constantin, I. Mihalcea, I. Oanea, V. Harabagiu, G. Fundueanu; *Carbohydr. Polym.* **84**, 926-932 (2011)
47. Surface properties of conjugated main-chain polyrotaxanes; A. Farcas, I. Stoica, A. Stefanache, C. Peptu, F. Farcas, N. Marangoci, L. Sacarescu, V. Harabagiu, P. Guegan; *Chem. Phys. Lett.* **508**, 111-116 (2011)
48. XPS study of the ion-exchange capacity of the native and surface oxidized viscose fibers; M. Dobromir, G. Biliuta, D. Luca, M. Aflori, V. Harabagiu, S. Coseri; *Coll. Surf. A: Physicochem. Eng. Aspects* **381**, 106-110 (2011)
49. Mild oxidation of cellulose fibers using dioxigen as ultimate oxidizing agent; G. Biliuta, L. Fras, V. Harabagiu, S. Coseri; *Digest J. Nanomater. Biostruct.* **6**, 291-297 (2011)
50. Semi-empirical PM3 study on complexation of β -cyclodextrin with 5-flucytosine; A. Fifere, M. Spulber, N. Marangoci, N. Fifere, M. Pinteala, V. Harabagiu, B.C. Simionescu; *Cell. Chem. Technol.* **45**, 149-156 (2011)
51. DNA complexation by cationic pullulan possessing thermo-sensitive units; M. Constantin, I. Oanea, V. Harabagiu, P. Ascenzi, G. Fundueanu; *Digest J. Nanomater. Biostruct.* **6**, 849-861 (2011)
52. Comparison of the mechanical properties of cellulose and starch films; S. Sun, J. Mitchell, John, B. MacNaughtan, T. Foster, V. Harabagiu, Y. Song, Q. Zheng; *Biomacromolecules* **11**(1), 126-132 (2010)

53. Oxidation of cellulose fibers mediated by non persistent nitroxyl radicals; G. Biliuta, L. Fras, S. Strnad, V. Harabagiu, S. Coseri; *J. Polym. Sci.: Part A: Polym. Chem.* **48**(21), 4790-4799 (2010)
54. Entrapment and release of drugs by a strict "on-off" mechanism in pullulan microspheres with pendant thermosensitive groups; Gh. Fundueanu, M. Constantin, I. Oanea, V. Harabagiu, P. Ascenzi, B.C. Simionescu; *Biomaterials* **31**, 9544-9553 (2010)
55. Mass spectrometry characterization of 3-OH butyrate β -cyclodextrin; C. Peptu, A. Nicolescu, C.A. Peptu, V. Harabagiu, B.C. Simionescu, M. Kowalczyk; *J. Polym. Sci.: Part A: Polym. Chem.* **48**, 5581–5592 (2010)
56. Structure, morphology, and thermal properties of polyrotaxanes based on calix[6]arene and modified polydimethylsiloxane; M.P. Sokolova, S.V. Bronnikov, T.E. Sukhanova, A.I. Grigor'ev, A.Y. Volkov, G.N. Gubanova, A.A. Kutin, A. Farcas A, M. Pinteala, V. Harabagiu, B.C. Simionescu; *Russ. J. Appl. Chem.* **83**, 109-114 (2010)
57. Synthesis and micellization of polydimethylsiloxane– carboxy-terminated poly(ethylene oxide) graft copolymer in aqueous and organic media and its application for the synthesis of core-shell magnetite particles; L. Pricop, A. Durdureanu-Angheluta, M. Spulber, I. Stoica, A. Fifere, N.L. Marangoci, A.I. Dascalu, R. Tigoianu, V. Harabagiu, M. Pinteala, B.C. Simionescu; *e-Polymers*, no. **093**, <http://www.e-polymers.org>, ISSN 1618-7229 (2010)

Book chapters

1. Surface-initiated polymerization for nanocoatings; V. Harabagiu, L. Sacarescu, A. Farcas, M. Pinteala, M. Butnaru; *Nanocoatings and Ultrathin Films*; Eds. A.S.H Makhlof, I. Tiginyanu, Woodhead Publishing, Oxford, Cambridge, Philadelphia, New Delhi, ISBN: 978-1-84569-812-6, Chapter 4, p. 78-112 (2011)

List of projects

National projects

Program/Project	Function	Period
PNII - Cooperation Program		
1. Contract PNII-PT-PCCA-2013 59/2014: <i>Monitoring the structural/self-healing integrity of the wind turbine blades and of other devices made of "smart" composites (STHEMWOTB)</i>	Partner responsible	2014-016
2. Contract nr. PNII-PT-PCCA-2013-276/20114: <i>Liposomal cyclodextrin-based formulations for transdermal pai therapy (NANODERMA)</i>	Project director	2014-016
Partners: Universitatea Tehnica „Gh. Asachi”, Iasi Universitatea de Medicina si Farmacie „Gr. T. Popa”, Iasi A&B. srl		
CNCSIS		
3. Grant 64/2006: <i>Nanomaterials, supramolecular interactions in polymer systems and organic-inorganic hybrids: fundamentals, mechanisms, methods</i>	Project director	2006-2008
CEEx MATNANTECH Program		
4. Proiect 40(510)/2005: <i>Integrated scientific network for development of knowledge-based multifunctional polymeric materials</i>	Project director	2005-2008
Partners: 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		
MATNANTECH Program		
5. <i>Rotaxane supramolecular structures: synthesis, NMR spectrometry, biomedical and opto-electronic application</i>	Project director	2003-2005
CERES Program		
6. <i>New macromolecular interpenetrated networks; processes, mechanisms, properties, aplicacion</i>	Project director	2001-2004
ORIZONT Program:		
7. <i>Polisiloxanes – components for designing specialty materials</i>	Project director	2000-2002
MEC/Romanian Academy Programs		
8. <i>Electron transfer chemical reaction in polymer synthesis</i>	Project director	1996-1998
9. <i>1,3-dipolarophile reactions and heterocyclics' polymerisation</i>	Team member	1997-2000
10. <i>Complex macromolecular architectures based on modified cyclodextrins</i>	Project	1999-2001

11. <i>Membranes based on siloxane copolymers</i>	director Team member	2001-2002
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International projects

Program/Project	Function	Period
EC projects		
1. Contract FP7-REGPOT-2010-264115 – <i>STREAM: Strengthening the Romanian research capacity in multifunctional polymeric materials</i>	Project coordinator	2011-2014
2. Contract 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. Contract INCO-CT-2005-017142 (FP6) – <i>RAINS: Romanian action for integrating, networking and strengthening the ERA. „Petru Poni” Institute of Macromolecular Chemistry</i>	Project manager	2005- 2008
4. Contract NMP3-CT-2005-500375 (FP6) – <i>POLYSACCHARIDES: The European polysaccharide network</i>	Dissemination manager	2005-2009
5. Contract no. NMP2-CT-2005-515762 (FP6) – <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. Contract GTC1-2002-73018 (FP5) - <i>ERIC: Virtual institute for composites</i>	Scientific responsible	2003-2005
7. Contract CRAFT G5ST-CT-2002-50293 (FP5) – <i>BlockSave: A novel methodology for the safe handling and consolidation of dimensional stone blocks using a cost-effective vacuum-based technology and high penetrating resin formulation</i>	Scientific responsible	2003-2005
8. Contract Growth G1RD-CT-1999-00130 (FP5) - <i>SPONGE: New environmentally friendly technology for cellulose three dimensional objects</i>	Scientific responsible	2000-2003
9. Contract PECO (FP3): <i>Constitutive rheological equation for polymers in processing conditions</i>	Team member	1994-1997
COST Actions		
10. COST Action CM 1302: <i>European network on smart inorganic polymers (SIPs)</i>	National manager	2013-2017
11. 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