ACADEMIA ROMÂNĂ
SCOSAAR

Anexa nr. 2

FIŞA DE ÎNDEPLINIRE A STANDARDELOR MINIMALE
conform CNATDCU

Candidat: **Dr. Corneliu HAMCIUC**

FIŞA DE VERIFICARE
a îndeplinirii standardelor minimale

Nr. crt.	Domeniul activităţilor	Tipul activităţilor (Categorii/Subcategorii şi restricţii)		Indicator	**Realizat de candidat**	**Indicator de merit**
1	Activitate didactică şi profesională (A1)	1.1.	Cărţi sau capitole de carte Profesor: - minim 3 - minim 1 prim autor	3	**6** Cărţi (Prim autor a 2 cărţi) **5** Capitole de carte (Prim autor a 2 capitole)	**33**
2	Activitate de cercetare (A2)	2.1.	Articole în reviste cotate ISI Thomson Reuters Profesor: - minim 35 articole dintre care 23 în reviste internationale - factorul de impact cumulat al articolelor publicate minim 40 - autor principal/corespondent pe minim 10 articole	1	**140** Articole sunt în Baza de date ISI Web of Knowledge Factorul de impact cumulat al articolelor publicate: **220.685** Autor principal la **60** articole	**140**
		2.2.	Brevete de invenţie şi inovaţie	1	**11** Brevete de invenţie	**11**
		2.3.	Granturi/proiecte câştigate prin competiţie Profesor: - director/responsabil: minim 1 - membru în echipă: minim 1	4	Director/responsabil a **2** proiecte	**8**
				2	Membru în **10** proiecte câştigate prin competiţie	**20**
3	Recunoaştere şi impactul activităţii (A3)	3.1	Citări în reviste ISI şi BDI Profesor: - minim 100 citări	0,5	**791** Citări (fără autocitări) conform ISI Web of Knowledge	**395,5**
Total						**607,5**

Dr. ing. Corneliu Hamciuc

A1. Activitate didactică şi profesională

A1.1. Cărți şi capitole în cărți de specialitate

Cărți în edituri recunoscute CNCSIS:

1. E. Hamciuc, **C. Hamciuc**. Materiale polimerice înalt performante pe bază de poliimide funcționale. Editura Tehnopress, Iaşi, 2011. ISBN: 978-973-702-880-8, 184 pagini.
2. D. Serbezeanu, I. D. Carja, T. Vlad Bubulac, **C. Hamciuc**. Polimeri rezistenți la flacară pe bază de 9,10-dihidro-9-oxa-10-fosfafenantren-10-oxid. Editura Tehnopress, Iaşi, 2011. ISBN: 978-973-702-897-6, 193 pagini.
3. E. Hamciuc, **C. Hamciuc**. Poliimide modificate cu grupe nitril sau fluor. Editura Performantica, Iaşi, 2009, ISBN: 978-973-730-608-1, 172 pagini.
4. **C. Hamciuc**, E. Hamciuc. Poliamide heterociclice termostabile. Editura Tehnopress, Iaşi, 2008, ISBN: 978-973-702-547-0, 163 pagini.
5. T. Vlad-Bubulac, **C. Hamciuc**, O. Petreuş. Polimeri heterociclici cu fosfor în catena laterală. Editura PIM, Iaşi, 2008, ISBN: 978-973-716-970-9, 150 pagini.
6. **C. Hamciuc**, E. Hamciuc. Polieteri heterociclici termostabili. Editura PIM, Iaşi, 2007, ISBN: 978-973-716-772-9, 148 pagini.

Capitole de carte:

1. **C. Hamciuc**, E. Hamciuc. Poly(1,3,4-oxadiazole-ether)s for high performance materials. În: "*Functional Polymeric Materials Designed for Hi-Tech Applications*" (M. Nechifor, Ed.) Transworld Research Network, Kerala, India, 2010, p. 21-41, ISBN: 978-81-7895-448-6.
2. E. Hamciuc, **C. Hamciuc**. Fluorinated polyimides as advanced materials. În: "*Functional Polymeric Materials Designed for Hi-Tech Applications*" (M. Nechifor, Ed.) Transworld Research Network, Kerala, India, 2010, p. 131-154, ISBN: 978-81-7895-448-6.
3. E. Hamciuc, **C. Hamciuc**. Polyimide-Polydimethylsiloxane Copolymers. În *"Recent developments in silicone-based materials"* (M. Cazacu, Ed.), Nova Science Publishers, Inc., New York, 2010, p. 77-106. ISBN: 978-1-61668-624-6.
4. **C. Hamciuc**, E. Hamciuc. Fluorinated poly(amide imide)s as advanced materials. În *"Recent Research Trends in Polymer Science"* (E. Scortanu, Ed.), Transworld Research Network, Kerala, India, p. 25-47, 2009, ISBN: 978-81-7895-427-1.
5. E. Hamciuc, **C. Hamciuc**. Poly(ether imide)s for high performance materials. În: "*Advances in Functional Heterochain Polymers"* (M. Cazacu, Ed.), Nova Science Publishers, Inc., New York, p. 187-228, 2008. ISBN: 978-1-60456-598-0.

A2. Activitate de cercetare

A2.1. Articole în reviste cotate ISI Thomson Reuters

Nr. Crt.	Articol	Factor impact
1.1	**C. Hamciuc**, E. Hamciuc, M. Homocianu, A. Nicolescu, I. D. Carja. Blue light-emitting polyamide and poly(amide-imide)s containing 1,3,4-oxadiazole ring in the side chain. *Dyes and Pigments*, **114**, 110-123 (2015).	3.966
1.2	**C. Hamciuc**, D. Serbezeanu, I. D. Carja, T. Vlad-Bubulac, V. E. Musteata, V. Forrat Pérez, C. Guillem López, A.M. López Buendia. Effect of DOPO units and of polydimethylsiloxane segments on the properties of epoxy resins. *Journal of Materials Science*, **48** (24) 8520-8529 (2013).	2.371

1.3	**C. Hamciuc**, I. D. Carja, E. Hamciuc, T. Vlad-Bubulac, M. Ignat. Phthalonitrile-containing aromatic polyimide thin films with nano-actuation properties. *Polymers for Advanced Technologies*, **24** (2) 258-265 (2013).	1.757
1.4	**C. Hamciuc**, E. Hamciuc, L. Okrasa, Yu. Kalvachev. The effect of zeolite L content on dielectric behavior and thermal stability of polyimide thin films. *Journal of Materials Science*, **47** (17) 6354-6365 (2012).	2.371
1.5	**C. Hamciuc**, E. Hamciuc, D. Serbezeanu, T. Vlad-Bubulac, M. Cazacu. Phosphorus-containing poly(ester-imide)-polydimethylsiloxane copolymers. *Polymer International*,**60**(2)312-321 (2011)	2.409
1.6	**C. Hamciuc**, E. Hamciuc, D. Serbezeanu, T. Vlad-Bubulac. Thermal and optical properties of some phosphorus-containing poly(1,3,4-oxadiazole-ester-imide)s. *Polymers for Advanced Technologies*, **22** (12) 2458-2468 (2011).	1.757
1.7	**C. Hamciuc**, E. Hamciuc, L. Okrasa. Silica/polyimide-polydimethylsiloxane hybrid films. Thermal and electrical properties. *Macromolecular Research,* **19** (3) 250-260 (2011).	1.597
1.8	**C. Hamciuc**, I. D. Carja, E. Hamciuc, T. Vlad-Bubulac, V. E. Musteata. Silica-containing fluorinated poly(amide-imide) hybrid films. *High Performance Polym*ers, **23**(5) 362–373 (2011).	1.286
1.9	**C. Hamciuc**, E. Hamciuc, M. Olariu, R. Ciobanu. Thermal and electrical behavior of some hybrid polyimide films containing barium and titanium oxides. *Polymer International*, **59** (5) 668-675 (2010).	2.409
1.10	**C. Hamciuc**, E. Hamciuc, I. Bacosca, M. Olariu. Thermal and electrical properties of some poly(ether-imide) thin films. *Materiale Plastice (Bucharest)*, **47** (1) 11-15 (2010).	0.824
1.11	**C. Hamciuc**, E. Hamciuc, I. Bacosca, L. Okrasa. Thermal and electrical properties of some hydroxy-containing imide type polymers. *Revue Roumaine de Chimie*, **55**(11-12),971-978 (2010)	0.311
1.12	**C. Hamciuc**, E. Hamciuc, A. M. Ipate, M. Cristea, L. Okrasa. Thermal and electrical properties of copoly(1,3,4-oxadiazole-ether)s containing fluorene groups. *Journal of Applied Polymer Science*, **113** (1), 383-391 (2009).	1.768
1.13	**C. Hamciuc**, E. Hamciuc, M. Ignat, G. Zarnescu. Aromatic poly(ether imide)s containing nitrile groups. *High Performance Polym*ers, **21** (2) 205-218 (2009).	1.286
1.14	**C. Hamciuc**, E. Hamciuc, A. M. Ipate, L. Okrasa. Copoly(1,3,4-oxadiazole-ether)s containing phthalide groups and thin films made therefrom. *Polymer*, **49**, 681-690 (2008).	3.562
1.15	**C. Hamciuc**, E. Hamciuc, M. Cazacu, L. Okrasa. Poly(ether-imide) and poly(ether-imide)-polydimethylsiloxane containing isopropylidene groups. *Polymer Bulletin*, **59**, 825-832 (2008).	1.438
1.16	**C. Hamciuc**, T. Vlad-Bubulac, O. Petreus, G. Lisa. Synthesis and characterization of new aromatic polyesters and poly(ester-imide)s containing phosphorous cyclic bulky groups. *Polymer Bulletin*, **60** (5) 657-664, 2008.	1.438
1.17	**C. Hamciuc**, A. M. Ipate, E. Hamciuc, G. Lisa. Thermal degradation kinetics of some aromatic poly(1,3,4-oxadiazole-ether)s. *High Performance Polym*ers, **20** (3), 296-310 (2008).	1.286
1.18	**C. Hamciuc**, E. Hamciuc, S. Vlad, M. Olariu. Fluorinated block copolymers containing imide and 1,3,4-oxadiazole rings. *Materiale Plastice (Bucharest)*, **45** (4) 356-361 (2008).	0.824
1.19	**C. Hamciuc**, T. Vlad-Bubulac, O. Petreus, G. Lisa. Kinetics of thermal degradation in non-isothermal conditions of some phosphorus containing polyesters and polyesterimides. *European Polymer Journal*, **43**, 980-988 (2007).	3.005
1.20	**C. Hamciuc**, E. Hamciuc, T. Pakula, L. Okrasa. Silicon-containing heterocyclic polymers and thin films made therefrom. *Journal of Applied Polymer Science*, **102** (3), 3062-3068 (2006).	1.768
1.21	**C. Hamciuc**, E. Hamciuc, M. Bruma, I. A. Ronova. Influence of the conformational parameters on physical properties of some heterocyclic polymers containing dimethylsilane units. *High Performance Polym*ers, **18** (1), 45-55 (2006).	1.286
1.22	**C. Hamciuc**, T. Vlad-Bubulac , I. Sava, O. Petreus. New phosphorus-containing copolyesters. *Journal of Macromolecular Science, Part A. Pure and Applied Chemistry*, **43**, 1355-1364 (2006).	0.809
1.23	**C. Hamciuc**, E. Hamciuc. Filme de polimeri pe baza de poli-1,3,4-oxadiazoleteri. *Materiale Plastice (Bucharest)*, **43** (2), 116-119 (2006).	0.824
1.24	**C. Hamciuc**, E. Hamciuc. Polimeri aromatici sulfonati. *Materiale Plastice (Bucharest)*, **43** (3), 204-210 (2006).	0.824
1.25	**C. Hamciuc**, E. Hamciuc, M. Bruma. Heterocyclic polymers containing dimethylsilane groups. *Revue Roumaine de Chimie*, **51** (7-8), 773-780 (2006).	0.311
1.26	**C. Hamciuc**, E. Hamciuc, T. Vlad-Bubulac, O. Petreus. Aromatic polyethers containing 1,3,4-oxadiazole rings. *Revue Roumaine de Chimie*, **51** (1) 53-59 (2006);	0.311
1.27	**C. Hamciuc**, E. Hamciuc, T. Pakula, L. Okrasa. Mechanical and electrical properties of some silicon-containing poly(amide-imide)s. *Polymer-Plastics Technology and Engineering*, **45**, 143-148 (2006).	-

1.28	**C. Hamciuc**, E. Hamciuc, M. Bruma. New fluorinated poly(1,3,4-oxadiazole-ether-imide)s. *Polymer*, **46** (16), 5851-5859 (2005).	3.562
1.29	**C. Hamciuc**, E. Hamciuc, M. Bruma, I. A. Ronova. Effect of conformational rigidity on physical properties of some poly(imide-amide)s containing dimethylsilane units. *Journal of Macromolecular Science, Part A. Pure and Applied Chemistry*, **42** (1), 61-69 (2005).	0.809
1.30	**C. Hamciuc**, E. Hamciuc. Influence of conformational parameters on physical properties of heterocyclic polymers containing pendent bulky groups. *Materiale Plastice (Bucharest)*, **42** (4) 283-289 (2005).	0.824
1.31	**C. Hamciuc**, E. Hamciuc, M. Bruma, I. A. Ronova. Compared properties of heterocyclic polyethers and polyether-ketones. *Revue Roumaine de Chimie*, **48** (2), 153-161 (2003).	0.311
1.32	**C. Hamciuc**, M. Bruma, M. Klapper. Synthesis and study of sulfonated poly(ether-ketone)s. *Revue Roumaine de Chimie*, **48** (4), 307-314 (2003).	0.311
1.33	**C. Hamciuc**, E. Hamciuc, M. Bruma, M. Klapper, T. Pakula, A. Demeter. New aromatic poly-ethers containing phenylquinoxaline and 1,3,4-oxadiazole rings. *Polymer*, **42**, 5955-5961 (2001).	3.562
1.34	**C. Hamciuc**, E. Hamciuc, M. Bruma**,** M. Klapper, T. Pakula. New aromatic poly(ether-ketone)s containing hexafluoroisopropylidene groups. *Polymer Bulletin*, **47**, 1-8 (2001).	1.438
1.35	**C. Hamciuc**, E. Hamciuc, M. Bruma. Heterocyclic polyethers and polyetherketones for electroinsulating materials. *Romanian Reports in Physics*, **53** (9-10), 675-680 (2001).	1.517
1.36	**C. Hamciuc**, M. Bruma**,** M. Klapper. Sulfonated poly(ether-ketone)s containing hexafluoro-isopropylidene groups. *Journal of Macromolecular Science, Part A. Pure and Applied Chemistry*, **A 38** (7), 659-671 (2001).	0.809
1.37	**C. Hamciuc**, E. Hamciuc, I. Sava, M. Bruma, M. Szesztay. Synthesis and characterization of new fluorinated poly(ester-imide)s. *Revue Roumaine de Chimie*, **46** (9), 1019-1027 (2001).	0.311
1.38	**C. Hamciuc**, E. Hamciuc, I. Sava, M. Bruma. New fluorinated poly(1,3,4-oxadiazole-imide)s. *Revue Roumaine de Chimie*, **46** (8), 879-886 (2001).	0.311
1.39	**C. Hamciuc**, E. Hamciuc, I. Sava, M. Bruma. New poly(benzoxazole-imide)s and poly(benzoxazinone-imide) containing hexafluoroisopropylidene groups. *Revue Roumaine de Chimie*, **46** (6), 661-668 (2001).	0.311
1.40	**C. Hamciuc**, M. Bruma, F. W. Mercer, T. Kopnick, B. Schulz. Thin films from new poly(imide-ether-amide)s containing hexafluoroisopropylidene groups. *Macromolecular Materials and Engineering*, **276/277**, 38-43 (2000).	2.661
1.41	**C. Hamciuc**, E. Hamciuc, I. Sava, I. Diaconu, M. Bruma. New fluorinated poly(imide-ether-amide)s. *High Performance Polym*ers, **12** (2), 265-276 (2000).	1.286
1.42	**C. Hamciuc**, M. Bruma, M. Szesztay, I. Ronova. Compared properties of fluorinated heterocyclic copolyimides. *Journal of Macromolecular Science, Part A. Pure and Applied Chemistry*, **A 37** (11), 1407-1435 (2000).	0.809
1.43	**C. Hamciuc**, I. A. Ronova, E. Hamciuc, M. Bruma. The effect of the rotation hindrance on physical properties of some heterocyclic polyamides containing pendent imide groups. *Angewandte Makromoleculare Chemie* (din 2000 a devenit *Macromolecular Materials and Engineering*), **254**, 67-74 (1998).	2.661
1.44	**C. Hamciuc**, E. Hamciuc, M. Bruma. Studiul ciclizarii termice a unor polihidrazidimide fluorurate la poli-1,3,4-oxadiazol-imide. *Materiale Plastice (Bucharest)*, **35** (1), 51-57 (1998).	0.824
1.45	**C. Hamciuc**, E. Hamciuc, M. Bruma. Poliamidimide aromatice: obtinere, proprietati si aplicatii. *Materiale Plastice (Bucharest)*, **35** (2), 75-81 (1998).	0.824
1.46	**C. Hamciuc**, E. Hamciuc, M. Bruma. Poliamide heterociclice termostabile. *Materiale Plastice (Bucharest)*, **35** (3), 133-140 (1998).	0.824
1.47	**C. Hamciuc**, E. Hamciuc, I. Diaconu, F. W. Mercer, M. Bruma. Polyisophthalamides with pendant 3,4,5,6-tetrachlorophthalimide groups. *Journal of Macromolecular Science, Part A. Pure and Applied Chemistry*, **A 34** (1), 143-152 (1997).	0.809
1.48	**C. Hamciuc**, E. Hamciuc, I. A. Ronova, M. Bruma. Influence of the conformational parameters on physical properties of some polyamides containing phenylquinoxaline rings. *High Performance Polym*ers, **9** (2), 177-188 (1997).	1.286
1.49	**C. Hamciuc**, B. Schulz, M. Bruma. Poly(oxadiazole-imide)s containing hexafluoroisopropy-lidene units. *Angewandte Makromoleculare Chemie* (din 2000 a devenit *Macromolecular Materials and Engineering*), **235**, 111-120 (1996).	2.661
1.50	**C. Hamciuc**, E. Hamciuc, M. Bruma, N. M. Belomoina. Polybenzoxazinones and poly(benz-oxazinone-phenylquinoxaline)s containing pendant imide groups. *European Polymer Journal*, **32** (7), 837-842 (1996).	3.005
1.51	**C. Hamciuc**, I. Sava, E. Hamciuc, M. Bruma, F. W. Mercer, N. M. Belomoina. Fluorinated	0.311

	polyesterimides. *Revue Roumaine de Chimie*, **41** (9-10), 815-821 (1996).	
1.52	**C. Hamciuc**, E. Hamciuc, I. Sava, A Stoleriu, F. W. Mercer, M. Bruma. Poly(1,3,4-oxadiazole-amide)s containing pendent imide groups. *Polymers for Advanced Technologies*, **7** (11), 847-852 (1996).	1.757
1.53	**C. Hamciuc**, B. Schulz, M. Bruma. New polyhydrazides and poly-1,3,4-oxadiazoles containing pendent phenoxy groups. *Angewandte Makromoleculare Chemie* (din 2000 a devenit *Macromolecular Materials and Engineering*), **238,** 63-71 (1996).	2.661
1.54	**C. Hamciuc**, E. Hamciuc, F. W. Mercer, N. M. Belomoina, M. Bruma. Fluorinated poly(phenylquinoxaline-imide-amide)s. *High Performance Polym*ers, **8** (3), 445-453 (1996).	1.286
1.55	**C. Hamciuc**, E. Hamciuc, M. Bruma. Fluorinated poly(1,3,4-oxadiazole-imide-amide)s. *Angewandte Makromoleculare Chemie* (din 2000 a devenit *Macromolecular Materials and Engineering*), **242,** 159-169 (1996).	2.661
1.56	**C. Hamciuc**, M. Bruma, F. Popescu, M. Gaspar. Poly(esterbenzoxazinone)s derived from 4,4'-diaminodiphenylmethane-3,3'-dicarboxylic acid. *Angewandte Makromoleculare Chemie* (din 2000 a devenit *Macromolecular Materials and Engineering*), **227**, 11-17 (1995).	2.661
1.57	**C. Hamciuc**, E. Hamciuc, M. Bruma. Poly(1,3,4-oxadiazole-amide)s containing pendent phenoxy groups. *High Performance Polym*ers, **8** (4), 507-514 (1996).	1.286
1.58	**C. Hamciuc**, E. Hamciuc, M. Bruma, A. Stoleriu, I. Diaconu, N. M. Belomoina, F. W. Mercer. Heterocyclic polyamides with pendent imide groups. *High Performance Polym*ers, **7** (4), 451-459 (1995).	1.286
1.59	**C. Hamciuc**, M. Bruma, F. Popescu, N. M. Belomoina, S. A. Babich. Synthesis and properties of polyphenylquinoxaline-quinazolones. *Revue Roumaine de Chimie*, **38** (12), 1435-1440, (1993).	0.311
1.60	**C. Hamciuc**, M. Bruma, F. Mercer, N. M. Belomoina, F. Popescu. Poly(benzoxazinone-imide)s and poly(benzoxazinone-phenylquinoxaline-imide-amide)s containing hexafluoroisopropylidene units. *Angewandte Makromoleculare Chemie* (din 2000 a devenit *Macromolecular Materials and Engineering*), **214**, 29-37 (1994).	2.661
1.61	M. Olariu, **C. Hamciuc**, L. Okrasa, E. Hamciuc, L. Dimitrov, Y. Kalvachev. Electrical properties of polyimide composite films containing TiO_2 nanotubes. *Polymer Composites*, Article first published online: 14 NOV 2015 | DOI: 10.1002/pc.23851	1.632
1.62	G. Lisa, A. M. Ipate, **C. Hamciuc**, T. Nita. Thermal and thermo-oxidative degradation of some heterocyclic aromatic polyethers containing phenylquinoxaline and/or 1,3,4-oxadiazole rings. *Journal of Analytical and Applied Pyrolysis*, **112**, 37-47 (2015).	3.564
1.63	M. Homocianu, A. M. Ipate, **C. Hamciuc**, A. Airinei. Environment effects on the optical properties of some fluorinated poly(oxadiazole ether)s in binary solvent mixtures. *Journal of Luminescence*, **157**, 315-320 (2015).	2.719
1.64	A. M. Ipate, **C. Hamciuc**, M. Homocianu, V. E. Musteata, A. Nicolescu, M. Bruma, N. Belomoina. Highly fluorinated poly(1,3,4-oxadiazole-ether)s. Structural, optical and dielectric characteristics. *Journal of Polymer Research*, **22**:95 (2015) (30 April 2015; 17 pagini).	1.768
1.65	M. Homocianu, A. Ipate, **C. Hamciuc**, A. Airinei. Specific spectral characteristics of some phenylquinoxaline derivatives. *Journal of Molecular Liquids*, **202**, 62-67 (2015).	2.515
1.66	I. D. Carja, D. Serbezeanu, T. Vlad-Bubulac, C. Hamciuc, V. Forrat Pérez, M. D. Romero Sánchez, C. Guillem López, M. Fuensanta Soriano. Miscibility behaviour of epoxy thermosets loaded with an oligophosphonate. *Journal of Applied Polymer Science*, Vol. 132, Issue 16, Article Number: 41822; Published: APR 20, 2015.	1.768
1.67	E. Hamciuc, M. Ignat, **C. Hamciuc**, I. Stoica, L. Dimitrov, Y. Kalvachev, M. Olariu. Electromechanical properties of polyimide composite containing titanium dioxide nanotubes. *High Performance Polymers*, **27** (5) 590-598 (2015).	1.286
1.68	I. D. Carja, D. Serbezeanu, T. Vlad-Bubulac, **C. Hamciuc**, A. Coroaba, G. Lisa, C. Guillem López, M. Fuensanta Soriano, V. Forrat Pérez, M. Dolores Romero Sánchez. A straightforward, eco-friendly and cost-effective approach towards flame retardant epoxy resins. *Journal of Materials Chemistry A*, **2** (38), 16230-16241 (2014).	7.443
1.69	A. M. Ipate, M. Homocianu, **C. Hamciuc**, A. Airinei, M. Bruma. Photophysical behavior of some aromatic poly(1,3,4-oxadiazole-ether)s derivatives. *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, **123**, 167-175 (2014).	2.353
1.70	A. M. Ipate, **C. Hamciuc**, G. Lisa. Fluorinated poly(1,3,4-oxadiazole-ether)s. Thermooxidative stability and kinetic studies. *Thermochimica Acta*, **588**, 59-67 (2014).	2.184
1.71	M. Ignat, D. Ovezea, E. Hamciuc, **C. Hamciuc**, L. Dimitrov. Study on the electromechanical properties of polyimide composites containing TiO_2 nanotubes and carbon nanotubes. *Journal of Polymer Research*, **21** (8) articol 536(12pagini) (2014).	1.768

1.72	I. D. Carja, D. Serbezeanu, G. Lisa, T. Vlad-Bubulac, **C. Hamciuc**. Thermal degradation and kinetic studies of new flame-retardant phosphorus-containing polymers with liquid crystalline properties. *International Journal of Polymer Analysis and Characterization*,19(4)372-382 (2014)	1.264
1.73	E. Hamciuc, **C. Hamciuc**, V. E. Musteata, Yu. Kalvachev, A. Wolinska-Grabczyk. Preparation and characterization of new polyimide films containing zeolite L and/or silica. *High Performance Polym*ers, **26** (2) 175-187 (2014).	1.286
1.74	A. M. Ipate, **C. Hamciuc**, M. Bruma, I. A. Ronova, M. I. Buzin. Influence of conformational rigidity on physical properties of some poly(1,3,4-oxadiazole-ether)s containing trifluoromethyl groups. *Revue Roumaine de Chimie*, **59** (6-7), 473-481 (2014).	0.311
1.75	I. D. Carja, **C. Hamciuc**, T. Vlad-Bubulac, M. Bruma, I. A. Ronova. Effect of conformational parameters on physical properties of polymers containing pendant phenoxyphthalonitrile substituents. *Structural Chemistry*, **24** (5) 1693-1703 (2013).	1.837
1.76	T. Vlad-Bubulac, D. Serbezeanu, **C. Hamciuc**, O. Petreus, I. D. Carja, G. Lisa. Preparation and phase behavior of blends of polysulfone-based polymers with phosphorous-containing smectic-A liquid crystals. *Polymer Engineering & Science*, **53** (6) 1209-1216 (2013)	1.520
1.77	E. Hamciuc, **C. Hamciuc**, I. D. Carja, T. Vlad-Bubulac, M. Ignat. Phthalonitrile-containing poly(amide imide)s with nano-actuation properties. *Polymer Engineering & Science*, **53** (2), 334-342 (2013).	1.520
1.78	T. Vlad-Bubulac, A. M. Oprea, D. Serbezeanu, I. D. Carja, **C. Hamciuc**. In vitro Release of Metoprolol Tartrate from Poly(vinyl Alcohol)/Phosphoester - chondroitin Sulfate Semi-IPNs. *Revista de Chimie*, **64** (6), 663-666 (2013).	0.810
1.79	T. Vlad-Bubulac, D. Serbezeanu, A.-M. Oprea, I.-D. Carja, **C. Hamciuc**, M. Cazacu. Preparation and characterization of new hydrogels based on poly(vinyl alcohol)/phosphoester - chondroitin sulphate. *Central European Journal of Chemistry*, **11** (3) 446-456 (2013).	-
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	Total factor de impact cumulat	**220.685**

A2.2. Brevete de invenție

1. M. Ignat, G. Zărnescu, E. Hamciuc, **C. Hamciuc**, M. Cazacu, I. Sava. Microactuator pe bază de polimeri. *Brevet România*, 127096, 29.01.2016.
2. **C. Hamciuc**, D. I. Carja, T. Vlad-Bubulac, E. Hamciuc. Procedu de obținere a unei diamine aromatice conținând grupa ftalonitril, şi reticularea termică a acesteia. *Brevet România*, 127289, 30.06.2015.
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4. M. Brumă, G. Dumitrescu, T. Şuteu, **C. Hamciuc**, I. Sava, E. Dumitrescu. Derivat de acid 2,6-difluorbenzoic şi procedeu de preparare a acestuia. *Brevet România*, 101613, 15.07.1992.
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9. M. Brumă, **C. Hamciuc**, G. Dumitrescu, T. Şuteu, E. Dumitrescu, E. Hamciuc, I. Sava. Procedeu de obținere a unui polimer modificat cu activitate fitofarmaceutică. *Brevet România*, 98496, 15.05.1989.
10. M. Brumă, E. Hamciuc, **C. Hamciuc**, I. Sava, G. Dumitrescu, E. Dumitrescu. Procedeu de obținere a unui polimer modificat radioprotector. *Brevet România*, 98482, 06.051989.
11. M. Brumă, **C. Hamciuc**, I. Sava, E. Hamciuc, M. Moțoiu, G. Nicolescu. Procedeu pentru sinteza unei poliesterimide nesaturate. *Brevet România*, 97932, 06.03.1989.

A2.3. Granturi/proiecte caştigate prin competiție
- director/responsabil de proiect -

1. Rețea wireless de senzori pasivi de hidrogen de tip flex-on-chip pe bază de OLC-uri (onion-like carbon) manipulate cu ajutorul dielectroforezei (*H2Sense*). ***Proiect PN-II-PT-PCCA-2013-4-1086***; contract nr. 43/2014, perioada 2014-2016. **Corneliu Hamciuc** (responsabil partener), T. Vlad-Bubulac, A. M. Ipate, D. Popovici, V. Păun.
2. Polieteri heterociclici prelucrabili la scară nanometrică, pentru aplicații în tehnologii avansate (microelectronică, telecomunicații, stocarea datelor). ***Grant CNCSIS***, nr. 913, cod 27682/2005, perioada 2005-2007. **Corneliu Hamciuc** (director de proiect), M. Brumă, O. Petreuş, E. Hamciuc, I. Sava , M. D. Dămăceanu, T. Vlad-Bubulac, R. Lungu.

- membru în echipă -

1. Poliimide funcţionale pentru materiale nanostructurate înalt performante. *PN-II-ID-PCE-2008-2*; cod ID_997-2008, contract 654/19.01.2009, perioada 2009-2011.
   E. Hamciuc (resp.), M. Cazacu, **C. Hamciuc**, T. Vlad-Bubulac, I. Bacoşcă, M. Alexandru.
2. Noi componente şi sisteme nanoelectromecanice pe bază de materiale polimere pentru actuatoare şi manipulatoare - Materiale polimere de tip imidic, maleimidic şi siloxanic pentru utilizare în sisteme nanoelectromecanice. *PROGRAM DE EXCELENŢĂ*, contract 97/CEEX/2006, perioada 2006-2008. E. Hamciuc (resp.), M. Brumă, **C. Hamciuc**, I. Sava, M. Cazacu, C. Racleş, C. Hulubei, M. D. Dămăceanu, A. M. Ipate.
3. Microsisteme integrate de tip RF MEMS realizate pe siliciu, Ga/As şi semiconductori de bandă largă pentru aplicaţii în domeniul telecomunicaţiilor avansate. Poliimide pentru dispozitive microelectronice. *PROGRAM DE EXCELENŢĂ*, contract 29/CEEX/10.X.2005, perioada 2005-2008. M. Brumă (resp.), I. Sava, E. Hamciuc, **C. Hamciuc**, M. D. Dămăceanu.
4. Produse şi tehnologii pentru protecţia (conservarea) obiectelor de patrimoniu împotriva agenţilor biologici dăunători (microorganisme: bacterii, mucegaiuri, ciuperci, alge, etc; Insecte: molii, carii, diferite specii de gândaci, etc). *BIOTECH***,** contract 04-P.P-1076/22. XI. 2004, perioada 2004-2006. O. Petreuş (resp.), V. Harabagiu, V. Hamciuc, **C. Hamciuc**, T. V. Bubulac, N. Marangoci.
5. Poliimide cu proprietăţi piezoelectrice. *MATNANTECH*, contract 254(408)-3/12.X.2004; Perioada 2004-2005 E. Hamciuc (resp.), M. Brumă, **C. Hamciuc**, R. Lungu.
6. Sinteza polimerilor heterociclici cu structuri de polioxadiazoli, poliimide şi poliamide pentru membrane. *MATNANTECH*, contract 32/12.10.2001 06, încheiat cu Centrul de Cercetări pentru Materiale Macromoleculare şi Membrane S. A. – Bucuresti, perioada 2002-2003.
   M. Brumă (resp.), E. Hamciuc, M. D. Iosip, I. Sava, **C. Hamciuc**.
7. Tehnologii de realizare a microsistemelor pentru comunicaţii bazate pe compuşi $A_{III}B_V$ şi noi materiale poliimidice; răşini poliimidice compatibile utilizării în microelectronică. *MATNANTECH*, contract de finanţare subsidiară 81b/ 21.X.2001, perioada 2001-2004.
   M. Brumă (resp.) E. Hamciuc, I. Sava, **C. Hamciuc**, M. D. Iosip.
8. Poliimide uşor prelucrabile pentru aplicaţii în tehnologii avansate (microelectronică, optoelectronică, telecomunicaţii, stocarea datelor*). ORIZONT 2000*, contract 494/1.06.2000, perioada 2000-2002. M. Brumă (resp.), I. Sava, E. Hamciuc, **C. Hamciuc**, M. D. Iosip.
9. Poliamide aromatice cu grupe laterale pentru utilizare ca materiale avansate. *Grant ACADEMIE – MCT*, contract 6182 GR/25.10.2000; Anul 2000.
   I. Sava (resp.), M. Bruma, **C. Hamciuc**, M. D. Iosip, G. Ţîrdea.
10. Polimeri termostabili cu proprietăţi speciale (electroluminiscente, electroizolante, semiconductoare) pentru aplicaţii de înaltă performanţă. G*rant ANSTI*, contract 5052/ 17.11.1999, perioada 1999-2001. M. Brumă (resp.), **C. Hamciuc**, E. Hamciuc, I. Sava, G. Ţîrdea.

A3. Citări în reviste ISI şi BDI

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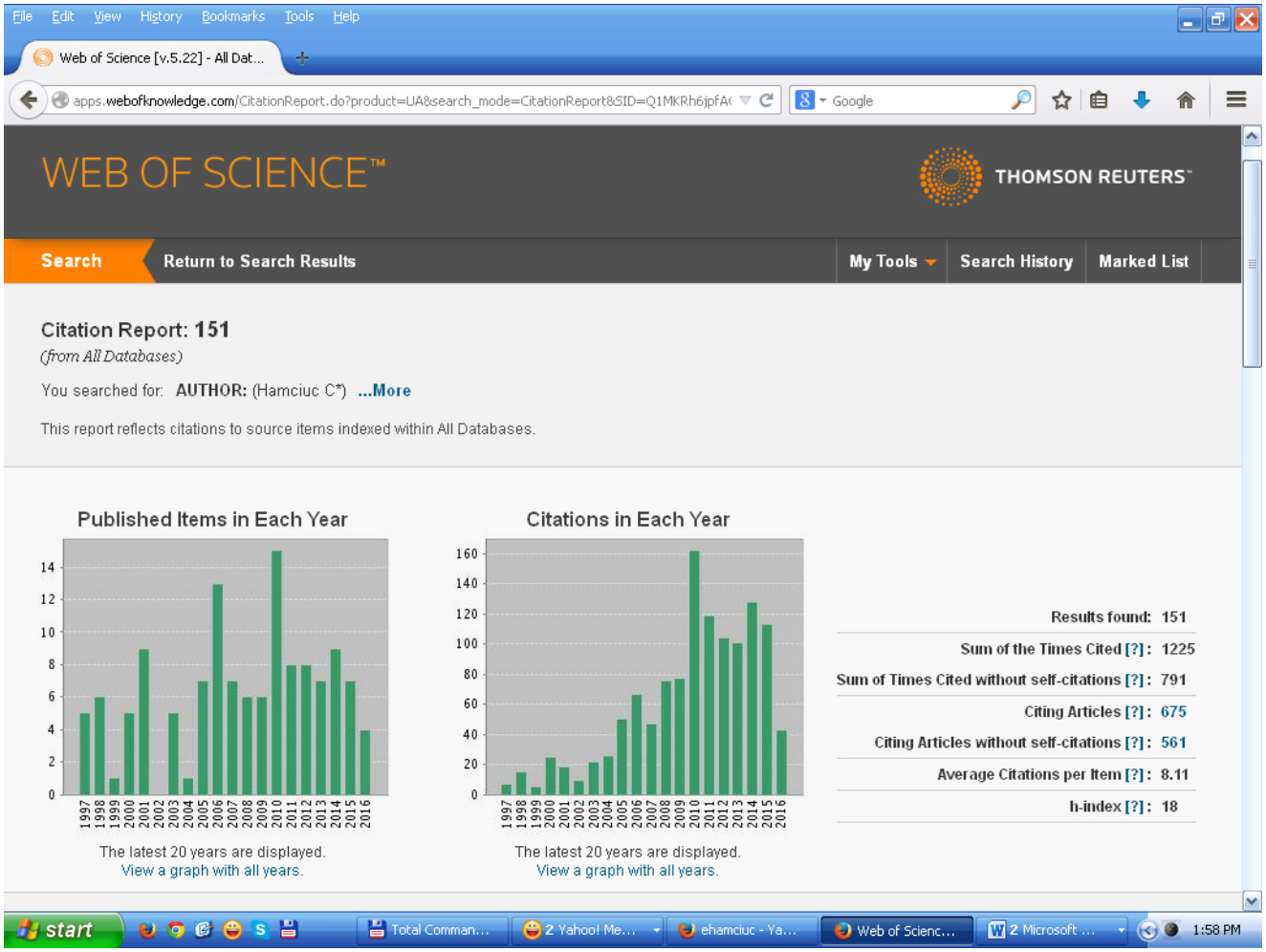

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Art.1: New fluorinated poly(1,3,4-oxadiazole-ether-imide)s Author(s): **Hamciuc, C**; Hamciuc, E; Bruma, M Source: **POLYMER** Vol: **46** Issue: **16** Pages: **5851-5859** DOI: 10.1016/j.polymer.2005.05.074 Published: JUL 25 **2005**

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Author(s): Petreus, O; Vlad-Bubulac, T; **Hamciuc, C** Source: **EUROPEAN POLYMER JOURNAL** Volume: **41** Issue: **11** Pages: **2663-2670** DOI: 10.1016/j.eurpolymj.2005.05.026 Published: NOV **2005**

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