

LISTA DE LUCRĂRI

1. Lucrări reprezentative (maximum 10)

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); Elsevier, ISSN 0143-7208, **IF- 3.966**
2. 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); Elsevier, ISSN 0165-2370, **IF- 3.564**
3. 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); Royal Society of Chemistry, ISSN 0959-9428, **IF- 7.443**
4. **C. Hamciuc**, E. Hamciuc, D. Serbezeanu, T. Vlad-Bubulac, M. Cazacu. Phosphorus-containing polyesterimide-polydimethylsiloxane copolymers. *Polymer International*, **60** (2) 312-321 (2011); Wiley, ISSN 0959-8103, **IF- 2.409**
5. T. Vlad-Bubulac, **C. Hamciuc**. Aliphatic–aromatic copolyesters containing phosphorous cyclic bulky groups. *Polymer*, **50**, 2220-2227 (2009); Elsevier, ISSN 0032-3861, **IF- 3.562**
6. **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); Elsevier, ISSN 0032-3861, **IF- 3.562**
7. **C. Hamciuc**, T. Vlad-Bubulac, G. Lisa, O. Petreus. Kinetics of thermal degradation in non-isothermal conditions of some phosphorus containing polyesters and polyesterimides. *European Polymer Journal*, **43**, 980-988 (2007); Elsevier, ISSN 0014-3057, **IF- 3.242**.
8. **C. Hamciuc**, E. Hamciuc, M. Bruma. New fluorinated poly(1,3,4-oxadiazole-ether-imide)s. *Polymer*, **46** (16), 5851-5859 (2005); Elsevier, ISSN 0032-3861, **IF- 3.562**
9. M. Klapper, **C. Hamciuc**, R. D. Brenzinger, K. Mullen. Poly(methylene amine): a polymer with the maximum possible number of amino groups on a polymer backbone. *Angewandte Chemie International Edition*, **42** (38), 4687-4690 (2003); *Angewandte Chemie*, **115** (38) 4835-4838 (2003); Wiley, ISSN 1433-7851, **IF- 11.261**
10. **C. Hamciuc**, E. Hamciuc, M. Bruma, M. Klapper, T. Pakula and A. Demeter. New aromatic polyethers containing phenylquinoxaline and 1,3,4-oxadiazole rings. *Polymer*, **42**, 5955-5961 (2001); Elsevier, ISSN 0032-3861, **IF- 3.562**

2. Teza de doctorat

1. **Corneliu Hamciuc**. Poliamide heterociclice termostabile. Academia Româna - Institutul de Chimie Macromoleculară "Petru Poni" din Iași, 1996; conducător științific: Dr. Florin Popescu, cercetător științific gradul I.

3. Articole în reviste din fluxul științific principal cotate ISI Thomson Reuters

1. M. Olariu, **C. Hamciuc**, L. Okrasa, E. Hamciuc, L. Dimitrov, Y. Kalvachev. Electrical properties of polyimide composite films containing TiO₂ nanotubes. *Polymer Composites*, Article first published online: 14 NOV 2015 | DOI: 10.1002/pc.23851, Wiley, ISSN 0272-8397, **IF- 1.632**
2. **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); Elsevier, ISSN 0143-7208, **IF- 3.966**

3. 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); Elsevier, ISSN 0165-2370, **IF- 3.564**
4. 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); Elsevier, ISSN 0022-2313, **IF- 2.719**
5. 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); Springer, ISSN 1022-9760, **IF- 1.768**
6. M. Homocianu, A. Ipate, **C. Hamciuc**, A. Airinei. Specific spectral characteristics of some phenylquinoxaline derivatives. *Journal of Molecular Liquids*, **202**, 62-67 (2015); Elsevier, ISSN 0167-7322, **IF- 2.515**
7. 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; Wiley, ISSN 0021-8995, **IF- 1.768**
8. E. Hamciuc, M. Ignat, **C. Hamciuc**, I. Stoica, L. Dimitrov, Y. Kalvachev, M. Olariu. Electromechanical properties of polyimide composite containing TiO₂ nanotubes. *High Performance Polymers*, **27** (5) 590-598 (2015); Sage, ISSN 0954-0083, **IF- 1.286**
9. 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); Royal Society of Chemistry, ISSN 0959-9428, **IF- 7.443**
10. 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); Elsevier, ISSN 1386-1425, **IF- 2.353**
11. 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); Elsevier, ISSN 0040-6031, **IF- 2.184**
12. M. Ignat, D. Ovezza, E. Hamciuc, **C. Hamciuc**, L. Dimitrov. Study on the electromechanical properties of polyimide composites containing TiO₂ nanotubes and carbon nanotubes. *Journal of Polymer Research*, **21** (8) articol 536(12pagini) (2014); Springer, ISSN 1022-9760, **IF- 1.768**
13. 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); Taylor & Francis, ISSN 1023-666X, **IF- 1.264**
14. 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 Polymers*, **26** (2) 175-187 (2014); Sage, ISSN 0954-0083, **IF- 1.286**
15. 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). Editura Academiei Române, ISSN 0035-3930, **IF- 0.311**
16. **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); Springer, ISSN 0022-2461, **IF- 2.371**

17. **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); Wiley, ISSN 1042-7147, **IF- 1.757**
18. I. D. Carja, **C. Hamciuc**, T. Vlad-Bubulac, M. Bruma, I. Ronova. Effect of conformational parameters on physical properties of polymers containing pendant phenoxyphthalonitrile substituents. *Structural Chemistry*, **24** (5) 1693-1703 (2013); Springer, ISSN 1040-0400, **IF- 1.837**
19. 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); Wiley, ISSN 0032-3888, **IF- 1.520**
20. 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); Wiley, ISSN 0032-3888, **IF- 1.520**
21. 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); SYSCOM, ISSN 0034-7752, **IF- 0.810**
22. 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); Springer, ISSN 1895-1066, **IF-**
23. **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); Springer, ISSN 0022-2461, **IF- 2.371**
24. I. D. Carja, **C. Hamciuc**, E. Hamciuc, T. Vlad-Bubulac, G. Lisa. New highly thermostable aromatic polyamides with pendant phthalonitrile groups. *Macromolecular Research*, **20**(10), 1011-1020 (2012); Springer, ISSN 1598-5032, **IF- 1.597**
25. I. D. Carja, D. Serbezeanu, T. Vlad-Bubulac, **C. Hamciuc**, M. Bruma. Synthesis and liquid crystalline behavior of phosphorus-containing aliphaticaromatic copoly(esterimide)s. *Polymer Bulletin*, **68**, 1921-1934 (2012); Springer, ISSN 0170-0839, **IF- 1.438**
26. I. D. Carja, **C. Hamciuc**, E. Hamciuc, T. Vlad-Bubulac, D. Serbezeanu, G. Lisa. Phosphorus-containing poly(ester imide) with pendant phthalonitrile groups. *Revue Roumaine de Chimie*, **57** (6), 623-628 (2012); Editura Academiei Române, ISSN 0035-3930, **IF- 0.311**
27. E. Hamciuc, **C. Hamciuc**, I. A. Ronova. Aromatic polyimides containing pendant carboxylic groups. *Revue Roumaine de Chimie*, **57** (4-5), 407-413 (2012); Editura Academiei Române, ISSN 0035-3930, **IF- 0.311**
28. D. Serbezeanu, I. D. Carja, T. Vlad-Bubulac, **C. Hamciuc**, M. Bruma. Comparative study of phosphorus-containing polymers with high performance properties. *Revue Roumaine de Chimie*, **57** (4-5), 393-399 (2012); Editura Academiei Române, ISSN 0035-3930, **IF- 0.311**
29. **C. Hamciuc**, E. Hamciuc, D. Serbezeanu, T. Vlad-Bubulac, M. Cazacu. Phosphorus-containing polyesterimide-polydimethylsiloxane copolymers. *Polymer International*, **60** (2) 312-321 (2011); Wiley, ISSN 0959-8103, **IF- 2.409**
30. **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); Wiley, ISSN 1042-7147, **IF- 1.757**
31. **C. Hamciuc**, E. Hamciuc, L. Okrasa. Silica/polyimide-polydimethylsiloxane hybrid films. Thermal and electrical properties. *Macromolecular Research*, **19** (3) 250-260 (2011); Springer, ISSN 1598-5032, **IF- 1.597**
32. E. Hamciuc, **C. Hamciuc**, I. Bacosca, M. Cristea, L. Okrasa. Thermal and electrical properties of nitrile-containing polyimide/BaTiO₃ composite films. *Polymer Composites*, **32** (5) 846-855 (2011); Wiley, ISSN 0272-8397, **IF- 1.632**

33. E. Hamciuc, **C. Hamciuc**, I. Bacosca, L. Okrasa. Polymer hybrid films based on silica and a poly(ether imide) containing phthalide groups. *Polymer Engineering & Science*, **51** (11) 2304–2313 (2011); Wiley, ISSN 0032-3888, **IF- 1.520**
34. **C. Hamciuc**, I. D. Carja, E. Hamciuc, T. Vlad-Bubulac, V. E. Musteata. Silica-containing fluorinated poly(amide-imide) hybrid films. *High Performance Polymers*, **23**(5) 362–373 (2011); Sage, ISSN 0954-0083, **IF- 1.286**
35. D. Serbezeanu, T. Vlad-Bubulac, **C. Hamciuc**, M. Aflori, M. Bruma. Synthesis and phase transitions of thermotropic liquid crystalline copolyesters with phosphorus-containing pendent bulky groups. *Materiale Plastice*, **48** (2) 117-122 (2011); SYSCOM, ISSN 0025-5289, **IF- 0.824**
36. D. Serbezeanu, T. Vlad-Bubulac, **C. Hamciuc**. New phosphorus-containing copoly(ester- amide-imide). Synthesis and characterization. *Materiale Plastice*, **48** (1) 7-11 (2011); SYSCOM, ISSN 0025-5289, **IF- 0.824**
37. D. Serbezeanu, T. Vlad-Bubulac, **C. Hamciuc**, M. Aflori. Synthesis and properties of novel phosphorus-containing thermotropic liquid crystalline copoly(ester imide)s. *Journal of Polymer Science Part A: Polymer Chemistry*, **48** (23) 5391-5403 (2010); Wiley, ISSN 0887-624X, **IF- 3.113**
38. D. Serbezeanu, T. Vlad-Bubulac, **C. Hamciuc**, M. Aflori. Structure and properties of phosphorous-containing thermotropic liquid crystalline aliphatic-aromatic copolyesters. *Macromolecular Chemistry and Physics*, **211** (13) 1460-1471 (2010); Wiley, ISSN 1022-1352, **IF- 2.616**
39. **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); Wiley, ISSN 0959-8103, **IF- 2.409**
40. T. Vlad-Bubulac, **C. Hamciuc**. Synthesis and Properties of New Aromatic Copolyesters Containing Phosphorous Cyclic Bulky Groups. *Polymer Engineering & Science*, **50** (5) 1028-1035 (2010); Wiley, ISSN 0032-3888, **IF- 1.520**
41. E. Hamciuc, **C. Hamciuc**, M. Olariu. Thermal and electrical behavior of polyimide/silica hybrid thin films. *Polymer Engineering & Science*, **50** (3) 520-529 (2010); Wiley, ISSN 0032-3888, **IF- 1.520**
42. D. Serbezeanu, T. Vlad-Bubulac, **C. Hamciuc**, F. Doroftei. Synthesis and characterization of new phosphorus-containing poly(ester-imide)s. *High Performance Polymers*, **22** (8) 916-929 (2010); Sage, ISSN 0954-0083, **IF- 1.286**
43. T. Vlad-Bubulac, **C. Hamciuc**, O. Petreus. Synthesis and characterization of some polyesters and poly(ester-imide)s based on bisphenol A derivatives. *High Performance Polymers*, **22**(3) 345-358 (2010); Sage, ISSN 0954-0083, **IF- 1.286**
44. E. Hamciuc, **C. Hamciuc**, M. Ignat. Hybrid films based on a polyimide containing nitrile groups and barium and titanium oxides. *High Performance Polymers*, **22** (2) 225-236 (2010); Sage, ISSN 0954-0083, **IF- 1.286**
45. T. Vlad-Bubulac, D. Serbezeanu, **C. Hamciuc**. New Phosphorus-Containing Polyesterimides. Synthesis and Characterization. *Materiale Plastice*, **47** (4) 440-445 (2010); SYSCOM, ISSN 0025-5289, **IF- 0.824**
46. **C. Hamciuc**, E. Hamciuc, I. Bacosca, M. Olariu. Thermal and electrical properties of some poly(ether-imide) thin films. *Materiale Plastice*, **47** (1) 11-15 (2010); SYSCOM, ISSN 0025-5289, **IF- 0.824**
47. **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); Editura Academiei Române, ISSN 0035-3930, **IF- 0.311**
48. D. Serbezeanu, T. Vlad-Bubulac, **C. Hamciuc**. Synthesis and characterization of new aromatic-aliphatic poly(ester-imide)s containing phosphorus. *Revue Roumaine de Chimie*, **55** (10), 667-672 (2010); Editura Academiei Române, ISSN 0035-3930, **IF- 0.311**
49. E. Hamciuc, **C. Hamciuc**, I. Bacosca. Polyimides containing nitrile groups and nanocomposites based on them. *Revue Roumaine de Chimie*, **55** (9) 515-524 (2010); Editura Academiei

Române, ISSN 0035-3930, **IF- 0.311**

50. T. Vlad-Bubulac, **C. Hamciuc**. Aliphatic–aromatic copolyesters containing phosphorous cyclic bulky groups. *Polymer*, **50**, 2220-2227 (2009); Elsevier, ISSN 0032-3861, **IF- 3.562**
51. E. Hamciuc, **C. Hamciuc**, M. Cazacu, M. Ignat, G. Zarnescu. Polyimide-polydimethylsiloxane copolymers containing nitrile groups. *European Polymer Journal*, **45**, 182-190 (2009); Elsevier, ISSN 0014-3057, **IF- 3.005**
52. **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); Wiley, ISSN 0021-8995, **IF- 1.768**
53. **C. Hamciuc**, E. Hamciuc, M. Ignat, G. Zarnescu. Aromatic poly(ether imide)s containing nitrile groups. *High Performance Polymers*, **21** (2) 205-218 (2009); Sage, ISSN 0954-0083, **IF- 1.286**
54. E. Hamciuc, **C. Hamciuc**, M. Cazacu. Comparative evaluation of some properties of two poly(ether-imide) thin films with/without fluorine in the structure. *Revue Roumaine de Chimie*, **54** (11-12), 1007-1013, 2009; Editura Academiei Române, ISSN 0035-3930, **IF- 0.311**
55. **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); Elsevier, ISSN 0032-3861, **IF- 3.562**
56. **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; Springer, ISSN 0170-0839, **IF- 1.438**
57. **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); Springer, ISSN 0170-0839, **IF- 1.438**
58. O. Petreus, T. Vlad-Bubulac, **C. Hamciuc**. New polyesterimides containing bulky, cyclic phosphorus groups. *High Performance Polymers*, **20** (6), 588-600 (2008); Sage, ISSN 0954-0083, **IF- 1.286**
59. **C. Hamciuc**, A. M. Ipate, E. Hamciuc, G. Lisa. Thermal degradation kinetics of some aromatic poly(1,3,4-oxadiazole-ether)s. *High Performance Polymers*, **20** (3), 296-310 (2008); Sage, ISSN 0954-0083, **IF- 1.286**
60. **C. Hamciuc**, E. Hamciuc, S. Vlad, M. Olariu. Fluorinated block copolymers containing imide and 1,3,4-oxadiazole rings. *Materiale Plastice*, **45** (4) 356-361 (2008); SYSCOM, ISSN 0025-5289, **IF- 0.824**
61. E. Hamciuc, **C. Hamciuc**, M. Cazacu. Poly(1,3,4-oxadiazole-ether-imide)s and their polydimethylsiloxane-containing copolymers. *European Polymer Journal*, **43**, 4739-4749 (2007); Elsevier, ISSN 0014-3057, **IF- 3.005**
62. **C. Hamciuc**, T. Vlad-Bubulac, G. Lisa, O. Petreus. Kinetics of thermal degradation in non-isothermal conditions of some phosphorus containing polyesters and polyesterimides. *European Polymer Journal*, **43**, 980-988 (2007); Elsevier, ISSN 0014-3057, **IF- 3.005**
63. E. Hamciuc, **C. Hamciuc**, M. Cazacu, G. Lisa, L. Okrasa. Polyimide-polydimethylsiloxane copolymers. Evaluation of the thermal and electrical properties. *Journal of Macromolecular Science, Part A. Pure and Applied Chemistry*, **44**, 1069-1078 (2007); Taylor & Francis, ISSN 1060-1325, **IF- 0.809**
64. T. Vlad-Bubulac, **C. Hamciuc**, O. Petreus, G. Lisa. Thermal stability of some phosphorus-containing polyesters and poly(ester-imide)s. *Materiale Plastice*, **44** (4), 284-288, (2007); SYSCOM, ISSN 0025-5289, **IF- 0.824**
65. T. Vlad-Bubulac, **C. Hamciuc**, O. Petreus. Aromatic-aliphatic phosphorus-containing copolyesters. *Materiale Plastice*, **44** (3), 199-203, (2007); SYSCOM, ISSN 0025-5289, **IF- 0.824**
66. O. Petreus, C. Ciobanu, **C. Hamciuc**, T. Vlad-Bubulac, D. Rosu. Proprietățile mecanice ale unor rășini polimerice folosite în compoziții cu insecticide. *Materiale Plastice*, **44** (2), 108-111, (2007); SYSCOM, ISSN 0025-5289, **IF- 0.824**

67. T. Vlad-Bubulac, **C. Hamciuc**, O. Petreus, M. Bruma. Synthesis and properties of new phosphorus-containing poly(ester-imide)s. *Polymers for Advanced Technologies*, **17** (9-10), 647-652 (2006); Wiley, ISSN 1042-7147, **IF- 1.757**
68. **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); Wiley, ISSN 0021-8995, **IF- 1.768**
69. T. Vlad-Bubulac, **C. Hamciuc**, O. Petreus. Synthesis and properties of some phosphorus-containing polyesters. *High Performance Polymers*, **18**, 255-264 (2006); Sage, ISSN 0954-0083, **IF- 1.286**
70. **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 Polymers*, **18** (1), 45-55 (2006); Sage, ISSN 0954-0083, **IF- 1.286**
71. **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); Taylor & Francis, ISSN 1060-1325, **IF- 0.809**
72. **C. Hamciuc**, E. Hamciuc. Polimeri aromatici sulfonati. *Materiale Plastice*, **43** (3), 204-210 (2006); SYSCOM, ISSN 0025-5289, **IF- 0.824**
73. **C. Hamciuc**, E. Hamciuc. Filme de polimeri pe baza de poli-1,3,4-oxadiazol-eteri. *Materiale Plastice*, **43** (2), 116-119 (2006); SYSCOM, ISSN 0025-5289, **IF- 0.824**
74. M. Bruma, I. Sava, E. Hamciuc, **C. Hamciuc**, M. D. Damaceanu. Synthesis and characterization of heterocyclic polyimides as high performance materials with potential applications in RF-MEMS devices processing. *Romanian Journal of Information Science and Technology*, **9** (4), 277-284 (2006); Editura Academiei Române, ISSN 1453-8245, **IF- 0.304**
75. O. Petreus, T. Vlad-Bubulac, **C. Hamciuc**. Studiul termoanalitic privind efectul unor insecticide organofosforice asupra rășinii diglicidileter-bisfenol A. *Materiale Plastice*, **43** (1) 20-23 (2006); SYSCOM, ISSN 0025-5289, **IF- 0.824**
76. **C. Hamciuc**, E. Hamciuc, M. Bruma. Heterocyclic polymers containing dimethylsilane groups. *Revue Roumaine de Chimie*, **51** (7-8), 773-780 (2006); Editura Academiei Române, ISSN 0035-3930, **IF- 0.311**
77. E. Hamciuc, M. Bruma, **C. Hamciuc**, R. Lungu. Aromatic polyimides containing polar nitrile groups. *Revue Roumaine de Chimie*, **51**(7-8), 765-771 (2006); Editura Academiei Române, ISSN 0035-3930, **IF- 0.311**
78. I. Sava, **C. Hamciuc**. Polyisophthalamides with pendent acetoxybenzamide or imide groups. *Revue Roumaine de Chimie*, **51**(7-8), 759-764 (2006); Editura Academiei Române, ISSN 0035-3930, **IF- 0.311**
79. **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); Editura Academiei Române, ISSN 0035-3930, **IF- 0.311**
80. **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; Taylor & Francis, ISSN 0360-2559, **IF-**
81. **C. Hamciuc**, E. Hamciuc, M. Bruma. New fluorinated poly(1,3,4-oxadiazole-ether-imide)s. *Polymer*, **46** (16), 5851-5859 (2005); Elsevier, ISSN 0032-3861, **IF- 3.562**
82. E. Hamciuc, **C. Hamciuc**, M. Bruma, B. Schulz. Poly(1,3,4-oxadiazole-imide)s containing dimethylsilane groups. *European Polymer Journal*, **41** (12) 2989-2997 (2005); Elsevier, ISSN 0014-3057, **IF- 3.005**
83. O. Petreus, T. Vlad-Bubulac, **C. Hamciuc**. Synthesis and characterization of new polyesters with enhanced phosphorus content. *European Polymer Journal*, **41** (11) 2663-2670 (2005); Elsevier, ISSN 0014-3057, **IF- 3.005**
84. I. Sava, **C. Hamciuc**. Poly(1,3,4-oxadiazole-amide)s with pendant acetoxybenzamide or imide groups. *Designed Monomers and Polymers*, **8**, (3) 249-263 (2005); Taylor & Francis, ISSN 1385-772X, **IF- 2.780**

85. **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), 61-68 (2005); Taylor & Francis, ISSN 1060-1325, **IF- 0.809**
86. E. Hamciuc, M. Bruma, **C. Hamciuc**, R. Lungu. Amorphous aromatic polyimides as potential piezoelectric materials for high performance applications. *Romanian Journal of Information Science and Technology*, **8** (3), 269-283 (2005); Editura Academiei Române, ISSN 1453-8245, **IF- 0.304**
87. **C. Hamciuc**, E. Hamciuc. Influence of conformational parameters on physical properties of heterocyclic polymers containing pendent bulky groups. *Materiale Plastice*, **42** (4) 283-289 (2005); SYSCOM, ISSN 0025-5289, **IF- 0.824**
88. E. Hamciuc, **C. Hamciuc**, M. Bruma, N. M. Belomoina. Synthesis and characterization of new poly[phenylquinoxaline(ether)imide]s. *Izvestiya Akademii Nauk SSSR, Seriya Khimicheskaya*, **53** (9), 1952-1957 (2004). *Russian Chemical Bulletin*, **53** (9), 2035-2040 (2004); Springer, ISSN 1066-5285, **IF- 0.481**
89. M. Klapper, **C. Hamciuc**, R. D. Brenzinger, K. Mullen. Poly(methylene amine): a polymer with the maximum possible number of amino groups on a polymer backbone. *Angewandte Chemie International Edition*, **42** (38), 4687-4690 (2003) or *Angewandte Chemie*, **115** (38) 4835-4838 (2003); Wiley, ISSN 1433-7851, **IF- 11.261**
90. I. Sava, M. D. Iosip, M. Bruma, **C. Hamciuc**, J. Robison, L. Okrasa, T. Pakula. Aromatic polyamides with pendent acetoxybenzamide groups. *European Polymer Journal*, **39** (4), 725-738 (2003); Elsevier, ISSN 0014-3057, **IF- 3.005**
91. M. Bruma, E. Hamciuc, I. Sava, **C. Hamciuc**, M. D. Iosip, J. Robison. Compared properties of polyimides based on benzophenontetracarboxylic dianhydride. *Revue Roumaine de Chimie*, **48** (8), 629-638 (2003); Editura Academiei Române, ISSN 0035-3930, **IF- 0.311**
92. **C. Hamciuc**, M. Bruma, M. Klapper. Synthesis and study of sulfonated poly(ether-ketone)s. *Revue Roumaine de Chimie*, **48** (4), 291-298 (2003); Editura Academiei Române, ISSN 0035-3930, **IF- 0.311**
93. **C. Hamciuc**, E. Hamciuc, M. Bruma, I. A. Ronova. Compared properties of heterocyclic polyethers and polyether-ketones. *Revue Roumaine de Chimie*, **48** (2), 147-154 (2003); Editura Academiei Române, ISSN 0035-3930, **IF- 0.311**
94. **C. Hamciuc**, E. Hamciuc, M. Bruma, M. Klapper, T. Pakula and A. Demeter. New aromatic polyethers containing phenylquinoxaline and 1,3,4-oxadiazole rings. *Polymer*, **42**, 5955-5961 (2001); Elsevier, ISSN 0032-3861, **IF- 3.562**
95. E. Hamciuc, **C. Hamciuc**, I. Sava and M. Bruma. Fluorinated heterocyclic polyamides. *European Polymer Journal*, **37**, 287-293 (2001); Elsevier, ISSN 0014-3057, **IF- 3.005**
96. I. Sava, M. Bruma, **C. Hamciuc**, E. Hamciuc, D. Timpu, F. Mercer. Compared properties of aromatic polyisophthalamides containing 5-(4-acetoxy-benzamido) pendent groups. *Journal of Applied Polymer Science*, **80**, (4) 650-657 (2001); Wiley, ISSN 0021-8995, **IF- 1.768**
97. **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); Springer, ISSN 0170-0839, **IF- 1.438**
98. **C. Hamciuc**, E. Hamciuc, M. Bruma. Heterocyclic polyethers and polyetherketones for electroinsulating materials. *Romanian Reports in Physics*, **53** (9-10), 675-680 (2001); Editura Academiei Române, ISSN 1221-1451, **IF- 1.517**
99. **C. Hamciuc**, M. Bruma, M. Klapper. Sulfonated poly(ether-ketone)s containing hexafluoroisopropylidene groups. *Journal of Macromolecular Science, Part A. Pure and Applied Chemistry*, **38** (7), 659-671 (2001); Taylor & Francis, ISSN 1060-1325, **IF- 0.809**
100. I. Sava, **C. Hamciuc**, M. Bruma, E. Hamciuc. Fluorinated poly(benzoxazole-ester)s. *Revue Roumaine de Chimie*, **46** (10), 91-96 (2001); Editura Academiei Române, ISSN 0035-3930, **IF- 0.311**

101. **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), 93-101 (2001); Editura Academiei Române, ISSN 0035-3930, **IF- 0.311**
102. **C. Hamciuc**, E. Hamciuc, I. Sava, M. Bruma. New fluorinated poly(1,3,4-oxadiazole-imide)s. *Revue Roumaine de Chimie*, **46** (8), 73-80 (2001); Editura Academiei Române, ISSN 0035-3930, **IF- 0.311**
103. **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), 109-116 (2001); Editura Academiei Române, ISSN 0035-3930, **IF- 0.311**
104. E. Hamciuc, **C. Hamciuc**, I. Sava, M. Sava and M. Bruma. Fluorinated poly(imide-amide)s with naphthalene units. *Macromolecular Materials and Engineering*, **283**, 36-40 (2000); Wiley, ISSN 1438-7492, **IF- 2.661**
105. **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); Wiley, ISSN 1438-7492, **IF- 2.661**
106. **C. Hamciuc**, E. Hamciuc, I. Sava, I. Diaconu, M. Bruma. New fluorinated poly(imide-ether-amide)s. *High Performance Polymers*, **12** (2) 265-276(2000); Sage, ISSN 0954-0083, **IF- 1.286**
107. **C. Hamciuc**, M. Bruma, M. Szesztay, I. Ronova. Compared properties of fluorinated heterocyclic copolyimides. *Journal of Macromolecular Science, Part A. Pure and Applied Chemistry*, **37** (11), 1407-1435 (2000); Taylor & Francis, ISSN 1060-1325, **IF- 0.809**
108. M. Bruma, **C. Hamciuc**, E. Hamciuc, I. A. Ronova and B. Schulz. Poly(1,3,4-oxadiazole)s with pendent phenoxy groups. *Revue Roumaine de Chimie*, **45**, (7/8), 677-688 (2000); Editura Academiei Române, ISSN 0035-3930, **IF- 0.311**
109. I. Sava, E. Hamciuc, **C. Hamciuc**, M. Bruma, F. W. Mercer, V. N. Reddy. Synthesis and properties of aromatic polyamides containing 5-(4-acetoxybenzoyl-amino) side groups. *High Performance Polymers*, **11**, 307-313 (1999); Sage, ISSN 0954-0083, **IF- 1.286**
110. **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 Makromolekulare Chemie* (known as *Macromolecular Materials and Engineering*, from 2000), **254**, 67-74 (1998); Wiley, ISSN 1438-7492, **IF- 2.661**
111. M. Sava, C. Gaina, V. Gaina, C. Chiriac, Gh. Stoica, **C. Hamciuc**. Preparation and characterization of bismaleimides containing ether bonds. *Designed Monomers and Polymers*, **1** (2), 135-145 (1998); Taylor & Francis, ISSN 1385-772X, **IF- 2.780**
112. I. A. Ronova, L. V. Dubrovina, A. Yu. Kovalevsky, **C. Hamciuc**, M. Bruma. The effect of side substituents on rotation hindrance in polyheteroarylenes. *Russian Chemical Bulletin*, **47** (7), 1248-1256 (1998); Springer, ISSN 1066-5285, **IF- 0.481**
113. **C. Hamciuc**, E. Hamciuc, M. Bruma. Heterocyclic thermostable polyamides. *Materiale Plastice*, **35** (3), 133-140 (1998); SYSCOM, ISSN 0025-5289, **IF- 0.824**
114. **C. Hamciuc**, E. Hamciuc, M. Bruma. Aromatic polyamideimides: synthesis, properties and applications. *Materiale Plastice*, **35** (2), 75-81 (1998); SYSCOM, ISSN 0025-5289, **IF- 0.824**
115. **C. Hamciuc**, E. Hamciuc, M. Bruma. Study of the thermal cyclization of some polyhydrazides to poly(1,3,4-oxadiazoles). *Materiale Plastice*, **35** (1), 51-57 (1998); SYSCOM, ISSN 0025-5289, **IF- 0.824**
116. E. Hamciuc, **C. Hamciuc**, I. Sava, N. M. Belomoina, M. Bruma. Aromatic polyesters containing heterocyclic units. *Revue Roumaine de Chimie*, **43** (4), 327-333 (1998); Editura Academiei Române, ISSN 0035-3930, **IF- 0.311**
117. E. Hamciuc, **C. Hamciuc**, A. Airinei, M. Bruma. Chemical stability of some polyamideimide type polymers. *Angewandte Makromolekulare Chemie* (known as *Macromolecular Materials and Engineering*, from 2000), **245**, 105-112 (1997); Wiley, ISSN 1438-7492, **IF- 2.661**
118. E. Hamciuc, **C. Hamciuc**, M. Bruma, A. Stoleriu, B. Schulz. Poly(hydrazide-ester)s and poly(1,3,4-oxadiazole-ester)s containing pendent phenoxy groups. *High Performance Polymers*, **9** (4), 429-436 (1997); Sage, ISSN 0954-0083, **IF- 1.286**

119. **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 Polymers*, **9** (2), 177-188 (1997); Sage, ISSN 0954-0083, **IF- 1.286**
120. **C. Hamciuc**, E. Hamciuc, I. Diaconu, F. W. Mercer, M. Bruma. Polyisophthalamides with pendent 3,4,5,6-tetrachlorophthalimide groups. *Journal of Macromolecular Science, Part A. Pure and Applied Chemistry*, **34**, 143-152 (1997); Taylor & Francis, ISSN 1060-1325, **IF- 0.809**
121. M. Bruma, **C. Hamciuc**, E. Hamciuc, F. Mercer, N. Belomoina, B. Schulz. Heterocyclic polyamides containing hexafluoroisopropylidene groups. *Macromolecular Symposia*, **122**, 303-311 (1997); Wiley, ISSN: 1521-3900, **IF-**
122. **C. Hamciuc**, E. Hamciuc, M. Bruma, N. M. Belomoina. Poly(benzoxazinone)s and poly(benzoxazinone-phenylquinoxaline-amide)s containing pendent imide groups. *European Polymer Journal*, **32** (7), 837-842 (1996); Elsevier, ISSN 0014-3057, **IF- 3.005**
123. **C. Hamciuc**, E. Hamciuc, M. Bruma. Fluorinated poly(1,3,4-oxadiazole-imide-amide)s. *Angewandte Makromolekulare Chemie* (known as *Macromolecular Materials and Engineering*, from 2000), **242**, 159-169 (1996); Wiley, ISSN 1438-7492, **IF- 2.661**
124. **C. Hamciuc**, B. Schulz, M. Bruma. New polyhydrazides and poly(1,3,4-oxadiazole)s containing pendent phenoxy groups. *Angewandte Makromolekulare Chemie* (known as *Macromolecular Materials and Engineering*, from 2000), **238**, 63-71 (1996); Wiley, ISSN 1438-7492, **IF- 2.661**
125. **C. Hamciuc**, B. Schulz, M. Bruma. Poly(oxadiazole-imide)s containing hexafluoroisopropylidene units. *Angewandte Makromolekulare Chemie* (known as *Macromolecular Materials and Engineering*, from 2000), **235**, 111-120 (1996); Wiley, ISSN 1438-7492, **IF- 2.661**
126. **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); Wiley, ISSN 1042-7147, **IF- 1.757**
127. **C. Hamciuc**, E. Hamciuc, M. Bruma. Poly(1,3,4-oxadiazole-amide)s containing pendent phenoxy groups. *High Performance Polymers*, **8** (4), 507-514 (1996); Sage, ISSN 0954-0083, **IF- 1.286**
128. **C. Hamciuc**, E. Hamciuc, F. W. Mercer, N. M. Belomoina, M. Bruma. Fluorinated poly(phenylquinoxaline-imide-amide)s. *High Performance Polymers*, **8** (3), 445-453 (1996); Sage, ISSN 0954-0083, **IF- 1.286**
129. **C. Hamciuc**, I. Sava, E. Hamciuc, M. Bruma, F. W. Mercer, N. M. Belomoina. Fluorinated polyesterimides. *Revue Roumaine de Chimie*, **41** (9-10), 815-821 (1996); Editura Academiei Române, ISSN 0035-3930, **IF- 0.311**
130. **C. Hamciuc**, M. Bruma, F. Popescu, M. Gaspar. Polyesterbenzoxazinones derived from 4,4'-diaminodiphenylmethan-3,3'-dicarboxylic acid. *Angewandte Makromolekulare Chemie* (known as *Macromolecular Materials and Engineering*, from 2000), **227**, 11-17 (1995); Wiley, ISSN 1438-7492, **IF- 2.661**
131. **C. Hamciuc**, E. Hamciuc, M. Bruma, A. Stoleriu, I. Diaconu, N. Belomoina, F. Mercer. Heterocyclic polyamides with pendent imide groups. *High Performance Polymers*, **7** (4), 451-459 (1995); Sage, ISSN 0954-0083, **IF- 1.286**
132. I. Sava, **C. Hamciuc**, M. Bruma, F. Popescu, F. W. Mercer, N. M. Belomoina. Aromatic polyesteramides containing phenylquinoxaline units. *Macromolecular Reports*, **A32** (suppl.1&2), 101-111 (1995) (a devenit *J. Macromol. Sci., Pure Appl. Chem.*). **IF- 0.809**
133. **C. Hamciuc**, M. Bruma, F. W. Mercer, N. M. Belomoina, F. Popescu. Poly(benzoxazinone-imide)s containing hexafluoroisopropylidene units. *Angewandte Makromolekulare Chemie* (known as *Macromolecular Materials and Engineering*, from 2000), **214**, 29-37 (1994); Wiley, ISSN 1438-7492, **IF- 2.661**
134. **C. Hamciuc**, M. Bruma, F. Popescu, N. M. Belomoina, S. A. Babich. Synthesis and properties of poly(phenylquinoxaline-quinazolones). *Revue Roumaine de Chimie*, **38** (12), 1435-1440, (1993); Editura Academiei Române, ISSN 0035-3930, **IF- 0.311**

135. M. Bruma, I. Sava, E. Hamciuc, **C. Hamciuc**, N. M. Belomoina, E. S. Krongauz. Thermostable polyesters containing imide and phenylquinoxaline units. *Angewandte Makromolekulare Chemie* (known as *Macromolecular Materials and Engineering*, from 2000), **194**, 179-187 (1992); Wiley, ISSN 1438-7492, **IF- 2.661**
136. M. Bruma, E. Hamciuc, I. Sava, **C. Hamciuc**, N. M. Belomoina, E. S. Krongauz. Preparation and characterization of novel poly(phenylquinoxaline-imide-amides). *Acta Polymerica* (known as *Macromolecular Chemistry and Physics*, from 2000), **43** (1), 46-49 (1992); Wiley, ISSN 1022-1352, **IF- 2.616**
137. I. Sava, E. Hamciuc, **C. Hamciuc**, M. Bruma, C. I. Simionescu, N. M. Belomoina, S. A. Babich. Aromatic polyesters containing heterocyclic units. *Revue Roumaine de Chimie*, **37** (10), 1145-1151 (1992); Editura Academiei Române, ISSN 0035-3930, **IF- 0.311**
138. M. Bruma, I. Sava, **C. Hamciuc**, C. I. Simionescu, N. M. Belomoina, S. A. Babich, E. S. Krongauz. Synthesis of new polyphenylquinoxaline-ester-imides. *Acta Polymerica* (known as *Macromolecular Chemistry and Physics*, from 2000), **42** (2-3), 125-128 (1991); Wiley, ISSN 1022-1352, **IF- 2.616**
139. M. Bruma, I. Sava, **C. Hamciuc**, C. I. Simionescu, N. M. Belomoina, E. S. Krongauz, V. V. Korshak. Polyphenylquinoxaline-ester-imides. *Revue Roumaine de Chimie*, **34** (7), 1467-1472 (1989) ; Editura Academiei Române, ISSN 0035-3930, **IF- 0.311**
140. M. Bruma, I. Sava, **C. Hamciuc**, E. Hamciuc , N. M. Belomoina, S. A. Babich, V. V. Korshak. Synthesis of new polymers containing phenylquinoxaline units. *Revue Roumaine de Chimie*, **34** (6), 1313-1320 (1989); Editura Academiei Române, ISSN 0035-3930, **IF- 0.311**

4. Articole în volumele unor manifestări științifice de specialitate

1. M. Bruma, **C. Hamciuc**, I. Sava, E. Hamciuc, F. W. Mercer, P. Fritzsche, B. Schulz. High temperature polyamides containing pendent imide groups. *Polyimides Other High-Temp. Polym., Proc. Eur. Tech. Symp., 4th*, STEPI 4, (Ed. M. Abadie & B. Sillion), LEMP/MAO, Montpellier, France, p. 140-150 (1996).
2. M. Bruma, **C. Hamciuc**, E. Hamciuc, F. Mercer, N. Belomoina, B. Schulz. Heterocyclic polyamides containing hexafluoroisopropylidene groups. *International Symposium on Polycondensation "Polycondensation '96"*, Paris, France, 23-26 Sept 1996, p. 232-235.
3. M. Bruma, **C. Hamciuc**, F. Mercer, T. Kopnic, B. Stiller, B. Schulz. Study of fluorinated poly(imide-ether-amide)s and thin films made therefrom. *Polymer & Materials Research Symposium*, Bayreuth, Germany, 11-13 April 1999; Abstract Book, p. PI-26 (3 pag).
4. **C. Hamciuc**, E. Hamciuc, M. Bruma, M. Klaper, T. Pakula. Fluorinated thermostable poly(ether-ketone)s. *Proceedings of 12th International Conference on Chemistry and Chemical Engineering*, p. 289-294, Bucharest 13-15 Sept 2001, 289-294.
5. I. Sava, **C. Hamciuc**. Aromatic poli(1,3,4-oxadiazole-amide)s with pendent acetoxybenzamide or imide groups. *13th Romanian International Conference on Chemistry and Chemical Engineering (RICCCE 13)*, Bucharest, Romania, vol 3, 59-64, 2003.
6. **C. Hamciuc**, E. Hamciuc, M. Bruma, N. M. Belomoina. Aromatic polyethers containing 1,3,4-oxadiazole rings. *Proceedings of European Polymer Congress*, Moscow, Russia, June 2005; Compact Disc /Contents/Section 1/No. P1. 4-8. (3 pages).
7. **C. Hamciuc**, E. Hamciuc, M Bruma. Aromatic polyethers containing heterocyclic units and thin films made from them. *Proceedings of International Symposium on Polymer Conetworks, Gels and Membranes*, Budapest, Sept. 11-13, 2005, p.123-126.
8. T. Vlad-Bubulac, **C. Hamciuc**, O. Petreus, M. Bruma. New phosphorous containing polyimides. *8th International Symposium Polymers for Advanced Technologies*, Budapest, 13-16 Sep 2005, Program p. 158, Proceedings on CD, Section A,

9. I. Sava, **C. Hamciuc**. Compared properties of aromatic polyisophthalamides containing pendent groups. *International Conference on Materials Science and Engineering*, 24-26 Feb. 2005, Brasov, Romania, CD Section: Chemistry of multifunctional and nanostructured materials -O5E1
10. E. Hamciuc, M. Bruma, **C. Hamciuc**, R. Lungu. Modified aromatic polyimides with potential piezoelectric properties. *Proceedings of International Semiconductor Conference*, Sinaia, Romania, Oct. 3-5, 2005, p. 305-308.
11. I. Sandu, N. Luță, I. C. A. Sandu, O. Petreus, I. G. Sandu, **C. Hamciuc**, A. V. Sandu, V. Vasilache. Procedee moderne de conservare a lemnului vechi pus în operă. *Conferința Internațională "Inventică-Performanță și Creativitate tehnică"* Editia XVIII-a, Iași 5-9 iulie 2006, Volumul conferinței p. 221-226.
12. **C. Hamciuc**. Heterocyclic thermostable polyethers as advanced materials. *Bilateral Symposium on Functional Polymers*, 2nd ed., Potsdam, 2-8 Oct. 2006, 4 pages on CD.
13. O. Petreus, **C. Hamciuc**, I. Sandu. Active products in polymeric matricial systems for wood protection. *Bilateral Symposium on Functional Polymers*, 2nd ed., Potsdam, 2-8 Oct. 2006, 4 pages on CD.
14. T. Vlad-Bubulac, **C. Hamciuc**, O. Petreus, M. Bruma. Synthesis and study of poly(ester-imide)s containing phosphorus. *Bilateral Symposium on Functional Polymers*, 2nd ed., Potsdam, 2-8 Oct. 2006, 4 pages on CD.
15. E. Hamciuc, M. Bruma, **C. Hamciuc**, R. Lungu. Aromatic polyimides with cyano substituents for piezoelectric materials. *Bilateral Symposium on Functional Polymers*, 2nd ed., Potsdam, Oct. 2006, 4 pages on CD.
16. **C. Hamciuc**, E. Hamciuc, M. Bruma. Study of modified aromatic polyethers. *Bilateral Symposium on Functional Polymers*, 2nd ed., Potsdam, Oct. 2006, 4 pages on CD.
17. O. Petreus, T. Vlad-Bubulac, **C. Hamciuc**. New polyesterimides with cyclic bulky groups containing phosphorus – synthesis and properties. *Bulletin of the Transilvania University of Brasov, Bramat 2007*, vol 4, p. 123-128 (2007).
18. T. Vlad-Bubulac, **C. Hamciuc**, O. Petreus, G. Lisa. Phosphorus-containing polyesters and polyesterimides - synthesis and characterization. *Bulletin of the Transilvania University of Brasov, Bramat 2007*, vol 4, p. 129-134 (2007).
19. **C. Hamciuc**, A.M. Ipate, E. Hamciuc, T. Vlad-Bubulac, O. Petreus, G. Lisa. Poly(1,3,4-oxadiazole-ether)s. Synthesis and characterization. *Bulletin of the Transilvania University of Brasov, Bramat 2007*, vol 4, p. 103-108 (2007).
20. E. Hamciuc, **C. Hamciuc**, M. Cazacu, L. Okrasa. Poly(imide-siloxane) copolymers – synthesis and characterization. *Bulletin of the Transilvania University of Brasov, Bramat 2007*, vol 4, p. 109-114 (2007).
21. M. Bruma, I. Sava, E. Hamciuc, **C. Hamciuc**, C. Buiculescu. Fluorinated heterocyclic polyimides for potential use in RF MEMS devices. *Proceedings of International Semiconductor Conference*, Sinaia, Romania, 15-17 Oct. 2007, vol. 2, p. 361-364.
22. **C. Hamciuc**, T. Vlad-Bubulac, O. Petreus, G. Lisa. New phosphorus containing polyesters derived from 2-(6-oxido-6H-dibenz<c,e><1,2>oxaphosphorin-6-yl)-1,4-naphthalenediol. In *Polyimides and High Performance Polymers, STEPI 8 Book, Proceedings of the 8th International Technical Symposium on Polyimides & High Performance Functional Polymers*, Montpellier, France, editors M. J. M. Abadie & B. Sillion, p. 136-144, 2008.
23. **C. Hamciuc**, E. Hamciuc, M. Cazacu, G. Lisa, L. Okrasa. Thermal and electrical behavior of some imide type copolymers containing siloxane sequences. In *Polyimides and High Performance Polymers, STEPI 8 Book, Proceedings of the 8th International Technical Symposium on Polyimides & High Performance Functional Polymers*, Montpellier, France, editors M. J. M. Abadie & B. Sillion, p. 217-225, 2008.
24. E. Hamciuc, **C. Hamciuc**, M. Cazacu, M. Ignat, G. Zarnescu. Synthesis and study of polyimide-polydimethylsiloxane copolymers containing nitrile groups. In *Polyimides and High Performance Polymers, STEPI 8 Book, Proceedings of the 8th International Technical*

- Symposium on Polyimides & High Performance Functional Polymers*, Montpellier, France, editors M. J. M. Abadie & B. Sillion, p. 226-233, 2008.
25. **C. Hamciuc**, E. Hamciuc, M. Cazacu, M. Ignat, G. Zarnescu. Polyimides and polyimide-polydimethylsiloxanes containing nitrile groups as advanced materials for microactuators. *Proceedings of 4th IUPAC-Sponsored International Symposium on Macro- and Supramolecular Architectures and Materials (MAM-08)*, Duesseldorf, Germania, 07-11 Septembrie 2008, p. 427-428.
 26. O. Petreuş, **C. Hamciuc**, T. Vlad-Bubulac, D. Serbezeanu. Aspecte comparative privind poliesterimide cu fosfor in lant, respectiv în catena laterală. În „*Materiale și procese inovative*”, volum de lucrări; *Zilele Facultății de Inginerie Chimică și Protecția Mediului*, Ediția a V-a, Iași, 19-21 nov. 2008, Pag. 189-194.
 27. **C. Hamciuc**, T. Vlad-Bubulac, O. Petreus. Studiul comparativ al unor poliesteri care conțin fosfor. În „*Materiale și procese inovative*”, volum de lucrări; *Zilele Facultății de Inginerie Chimică și Protecția Mediului*, Ediția a V-a, Iași, 19-21 nov. 2008, Pag. 401-405
 28. E. Hamciuc, **C. Hamciuc**, M. Cazacu, M. Ignat. Membrane pe bază de compozite poliimidice pentru microactuatori. „*Materiale și procese inovative*”, volum de lucrări; *Zilele Facultății de Inginerie Chimică și Protecția Mediului*, Ediția a V-a Iași, 19-21 nov. 2008, Pag. 417-422.
 29. E. Hamciuc, **C. Hamciuc**, I. Bacosca, M. Cazacu. Poly(ether-imide) thin films with/without fluorine in the structure. *Proceedings of International Semiconductor Conference – CAS 2009*, Sinaia, vol. 2, p. 367-370.
 30. E. Hamciuc, I. Bacosca, **C. Hamciuc**, M. Ignat, M. Bruma. Study of thin films made from poly(amide-imide)s containing nitrile groups. *Proceedings of International Semiconductor Conference – CAS 2010*, Sinaia, vol. 2, p. 341-344.
 31. I. A. Ronova, I. D. Carja, **C. Hamciuc**, M. Bruma. Lowering the dielectric constant of polyimides by increasing the free volume using various methods. Part III: Increasing the free volume by introduction of bulky substituents in polymers and copolymers. *Proceedings of 25th International Symposium on thin films in electronics*, 6-8.09.2012, Moscova, Rusia; p. 333-338.
 32. I. D. Carja, D. Serbezeanu, T. Vlad-Bubulac, **C. Hamciuc**. Thermal degradation and burning behavior of a commercial epoxy resin blended with an organophosphonate. *Proceedings of "Thermophysical and Mechanical Properties of Advanced Materials" (THERMAM 2014)*, Izmir, Turkey, pp. 153 – 160.
 33. T. Vlad-Bubulac, D. Serbezeanu, **C. Hamciuc**, I. D. Carja. Progress in phosphorus-containing polymers: design, structure and properties. *Proceedings of "Thermophysical and Mechanical Properties of Advanced Materials", (THERMAM 2014)*, Izmir, Turkey, pp. 136 – 142.
 34. C. Guillem-López, V. Forrat-Pérez, **C. Hamciuc**, D. Serbezeanu, I.-D. Carja, T. Vlad-Bubulac, V.-E. Musteata. New epoxy resins containing DOPO units and polydimethylsiloxane segments. Assessment of their flame retardant properties. In *10-th European Conference on Adhesion- Papers of EURADH 2014*, 10th European Adhesion Conference, Alicante, Spain, 22-25 April 2014, pp. 111-115.

5. Alte lucrări și contribuții științifice

Articole în reviste de specialitate recunoscute CNCSIS (B+)

1. **C. Hamciuc**, T. Vlad-Bubulac, O. Petreus, G. Lisa. Thermal degradation kinetics of some phosphorus containing aromatic polyesters. *Buletinul Institutului Politehnic din Iași, Seria Chimie și Inginerie Chimică*, Tom **LIII** (LVII), Fasc. 3-4, 43-51 (2007).
2. **C. Hamciuc**, E. Hamciuc, I. A. Ronova. Influence of the conformational parameters on physical properties of some aromatic poly(1,3,4-oxadiazole-ether)s. *Buletinul Institutului Politehnic din Iași, Seria Chimie și Inginerie Chimică*, Tom **LII** (LVI), Fasc. (1-2), 67-75 (2006).
3. M. Bruma, E. Hamciuc, I. Sava, **C. Hamciuc**. Fluorinated heterocyclic polymers and thin films made therefrom. *Buletinul Științific al Uuniversității "Politehnica" din Timișoara, Seria Chimie*

și Ingineria Mediului, *Chem. Bull. "POLITEHNICA" Univ. (Timișoara)*, **48** (62), 116-122 (2003).

4. **C. Hamciuc**, M. Bruma. Fluorinated imidic monomers and poly(imide-amide)s made with them. *Annals of West University of Timisoara, Series of Chemistry*, **10** (2), 355-362 (2001).
5. M. Bruma, I. Sava, **C. Hamciuc**, E. Hamciuc. Polyesterimides for electroinsulating materials. *Memoriile Secțiilor Științifice ale Academiei Române*, ser. 4, vol. **12**, nr. 1, 155-174 (1989).

Articole publicate în alte reviste de specialitate din țară

6. M. Ignat, G. Zarnescu, E. Hamciuc, **C. Hamciuc**. Electromechanical microactuator based on aromatic polyetherimide and pyrite ash powder. *Bulletin of Micro and Nanoelectrotechnologies*, **2** (2), 21-29 (2011); ISSN 2069-1505, Internet Web Site la <http://www.icpe-ca.ro/ro/publicatii>
7. M. Ignat, G. Zarnescu, M. Cazacu, E. Hamciuc, **C. Hamciuc**. Microelectromechanical actuators based on elastomer and polyimide membranes. *Electromotion*, **16**, (3) 148-154 (2009); ISSN 1223-057X, Internet Web Site la <http://electromotion.utcluj.ro>

6. Brevete de invenție

1. M. Ignat, G. Zarnescu, 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, și reticularea termică a acesteia. *Brevet România*, 127289, 30.06.2015.
3. M. Brumă, G. Dumitrescu, T. Șuteu, I. Sava, **C. Hamciuc**, E. Dumitrescu, M. V. Barna, C. Nițescu, G. Mihalache. Procedu de obținere a crizantematului de 2,4-dinitro-6-sec-butilfenil. *Brevet România*, 101116, 25.11.1992.
4. M. Brumă, G. Dumitrescu, T. Șuteu, **C. Hamciuc**, I. Sava, E. Dumitrescu. Derivat de acid 2,6-difluorbenzoic și procedu de preparare a acestuia. *Brevet România*, 101613, 15.07.1992.
5. M. Brumă, E. Hamciuc, E. Dumitrescu, I. Sava, **C. Hamciuc**. Procedu de obținere a N-(4-clorfenil)-N'-(2,6-difluor-benzoil)tioureei. *Brevet România*, 104328, 28.02.1991.
6. M. Brumă, I. Sava, **C. Hamciuc**, C. Adumitressei, V. Ciofu. Procedu de obținere a unei folii sintetice termorezistente. *Brevet România*, 100363, 20.12.1989.
7. M. Brumă, I. Sava, E. Hamciuc, **C. Hamciuc**, E. Dumitrescu, G. Dumitrescu, C. Nițescu, G. Mihalache. Procedu de sinteză a diflubenzuronului. *Brevet România*, 99854, 30.10.1989.
8. M. Brumă, E. Hamciuc, **C. Hamciuc**, I. Sava, M. Moțoiu, G. Nicolescu. Procedu de obținere a unui polimer termostabil cu structură de poliesterimidă nesaturată. *Brevet România*, 99634, 07.10.1989.
9. M. Brumă, **C. Hamciuc**, G. Dumitrescu, T. Șuteu, E. Dumitrescu, E. Hamciuc, I. Sava. Procedu 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. Procedu de obținere a unui polimer modificat radioprotector. *Brevet România*, 98482, 06.05.1989.
11. M. Brumă, **C. Hamciuc**, I. Sava, E. Hamciuc, M. Moțoiu, G. Nicolescu. Procedu pentru sinteza unei poliesterimide nesaturate. *Brevet România*, 97932, 06.03.1989.

7. Cărți și capitole in cărți de specialitate

Cărți:

1. E. Hamciuc, **C. Hamciuc**. Materiale polimerice înalt performante pe bază de poliimide funcționale. Editura Tehnopress, Iași, 2011. ISBN: 978-973-702-880-8, 184 pagini.

2. D. Serbezeanu, I. D. Carja, T. Vlad Bubulac, **C. Hamciuc**. Polimeri rezistenți la flacără pe bază de 9,10-dihidro-9-oxa-10-fosfafenantren-10-oxid. Editura Tehnopress, Iași, 2011. ISBN: 978-973-702-897-6, 193 pagini.
3. E. Hamciuc, **C. Hamciuc**. Poliimide modificate cu grupe nitril sau fluor. Editura Performantica, Iași, 2009, ISBN: 978-973-730-608-1, 172 pagini.
4. **C. Hamciuc**, E. Hamciuc. Poliamide heterociclice termostabile. Editura Tehnopress, Iași, 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, Iași, 2008, ISBN: 978-973-716-970-9, 150 pagini.
6. **C. Hamciuc**, E. Hamciuc. Polieteri heterociclici termostabili. Editura PIM, Iași, 2007, ISBN: 978-973-716-772-9, 148 pagini.

Capitole de cărți

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.

8. Contracte/granturi naționale/internaționale câștigate 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*). **PN-II-PT-PCCA-2013-4-1086**; contract nr. 43/2014. Perioada 2014-2016. Echipa de lucru: **C. Hamciuc** (resp. 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). **CNCSIS**, nr. 913, cod 27682/2005, 2005-2007. Echipa de lucru: **C. Hamciuc** (director de proiect), M. Brumă, O. Petreuş, E. Hamciuc, I. Sava, M. D. Dămăceanu, T. Vlad-Bubulac, R. Lungu.

Granturi/contracte naționale (membru în echipă)

1. Poliimide funcționale 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. Bacoșcă, M. Alexandru.
2. Noi componente și sisteme nanoelectromecanice pe bază de materiale polimere pentru actuatori și manipulatori - Materiale polimere de tip imidic, maleimidic și siloxanic pentru utilizare în sisteme nanoelectromecanice. **PROGRAM DE EXCELENȚĂ**, 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 și semiconductori de bandă largă pentru aplicații în domeniul telecomunicațiilor avansate. Poliimide pentru dispozitive microelectronice. *PROGRAM DE EXCELENȚĂ*, contract 29/CEEX/10.X.2005. Perioada 2005-2008. M. Brumă (resp.), I. Sava, E. Hamciuc, **C. Hamciuc**, M. D. Dămăceanu.
 4. Produse și tehnologii pentru protecția (conservarea) obiectelor de patrimoniu împotriva agenților 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 proprietăți 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 și poliamide pentru membrane. *MATNANTECH*, contract 32/12.10.2001 06, încheiat cu Centrul de Cercetări pentru Materiale Macromoleculare și 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 comunicații bazate pe compuși $A_{III} B_V$ și noi materiale poliimidice; rășini poliimidice compatibile utilizării în microelectronică. *MATNANTECH*, contract de finanțare subsidiară 81b/ 21.X.2001; Perioada 2001-2004. M. Brumă (resp.) E. Hamciuc, I. Sava, **C. Hamciuc**, M. D. Iosip.
 8. Poliimide ușor prelucrabile pentru aplicații în tehnologii avansate (microelectronică, optoelectronică, telecomunicații, 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. Țârdea.
 10. Polimeri termostabili cu proprietăți speciale (electroluminiscente, electroizolante, semiconductoare) pentru aplicații de înaltă performanță. *Grant ANSTI*, contract 5052/ 17.11.1999; (1999-2001). M. Brumă (resp.), **C. Hamciuc**, E. Hamciuc, I. Sava, G. Țârdea.

Dr. ing. Corneliu Hamciuc

