

ACADEMIA ROMANA
 Institutul de Chimie Macromoleculara "Petru Poni" Iasi
 Concurs pentru ocuparea postului de cercetator stiintific II
 Domeniul asociat postului-CHIMIE MACROMOLECULARA
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FISA DE PREZENTARE

Candidat: Dr. DOINA BEJENARU (MACOCINSCHI) Data nasterii: 25.08.1957

Studii universitare

Nr.crt	Institutia de invatamant superior	Domeniul	Perioada	Titlul acordat
1.	Institutul Politehnic Iasi, Facultatea de Tehnologie Chimica	Tehnologia compusilor macromoleculari	1976-1981	Inginer chimist

Studiile de doctorat

Nr.crt	Institutia organizatoare de doctorat	Domeniul	Perioada	Titlul stiintific acordat
1.	Universitatea "Gh. Asachi" Iasi	Inginerie chimica	1995-2001	Doctor inginer

Grade profesionale stiintifice/didactice

Nr. crt.	Institutia	Domeniul	Perioada	Gradul profesional/postul
1.	IBCC Jilava Bucuresti	Cercetare aplicativa si fundamentala	1981-1984	Inginer chimist
2.	ICPCMP Bucuresti	Cercetare aplicativa si fundamentala	1984-1984	Inginer chimist
3.	Institutul de Chimie Macromoleculara "Petru Poni" Iasi	Cercetare aplicativa si fundamentala	1984-1991	Inginer chimist
4.	Institutul de Chimie Macromoleculara "Petru Poni" Iasi	Cercetare fundamentala	1991-1994	Asistent de cercetare
5.	Institutul de Chimie Macromoleculara "Petru Poni" Iasi	Cercetare fundamentala	1994-2003	Cercetator stiintific
6.	Institutul de Chimie Macromoleculara "Petru Poni" Iasi	Cercetare fundamentala	2003-2008	Cercetator stiintific III
	Institutul de Chimie Macromoleculara "Petru Poni" Iasi			

Realizarile profesional-stiintifice

Calitatea activitatilor de management al cercetarii stiintifice	v. FISA DE EVALUARE
Contributii la dezvoltarea activitatilor de cercetare-dezvoltare-inovare	v. AUTOEVALUARE LISTA DE LUCRARI MAPA CU LUCRARI REPREZENTATIVE
Contributii la dezvoltarea cunoasterii in domeniu	
Valoarea lucrarilor reprezentative	
Recunoasterea realizarilor profesional stiintifice	

Presedintele Consiliului stiintific,
 Membru corespondent al Academiei Romane
 Prof. Dr. Ing. BOGDAN C. SIMIONESCU

Candidat,
 Doina Macocinschi

10.12.2008

LISTA DE LUCRARI

1. Teza de doctorat

Titlul tezei de doctorat: *Contributii privind aplicarea unor compozite polimere in finisarea textila*, Conducator stiintific: Prof. dr. ing. Aurelia Grigoriu de la Universitatea "Gh. Asachi" Iasi, sustinuta in sedinta publica in data de 14.12.2001.

2. Carti publicate

2.1. **Doina Macocinschi**, *Contributii privind aplicarea unor compozite polimere in finisarea textila*, Editura PIM, Iasi 2007, ISBN 978-973-716-828-3, 126 pagini.

3. Capitole in carti

3.1. Silvia Ioan, **Doina Macocinschi**, Mihaela Lupu, *Influence of ester and ether groups on solution properties of polyurethanes*, In: *Focus on natural and synthetic polymer science*, Nova Science, Eds. Cornelia Vasile and G. E. Zaikov, 2006, **cap. 4**, pg. 85-130, ISBN: 1-60021- 115-1.

3.2. Dorina Rusu, **Doina Macocinschi**, *Analiza materialelor istorice de patrimoniu tratate in plasma rece prin metode analitice curente si fizico-mecanice*, In: *Plasma rece in tratamentul materialelor: de la fundamental la aplicatii*, **cap.VIII**, Editura PERFORMANTICA, Iasi 2007, ISBN 978-973-730-394-3.

3.3. Daniela Filip, **Doina Macocinschi**, *Investigatia prin difractie de raze X a unor biopolimeri ca suport pentru obiecte de patrimoniu*, In: *Plasma rece in tratamentul materialelor: de la fundamental la aplicatii*, **cap. V**, Editura PERFORMANTICA, Iasi 2007, ISBN 978-973-730-394-3.

4.1. Articole publicate in reviste de specialitate de circulatie internationala recunoscute (reviste cotate ISI)

4.1.1. S. Ioan, M. Lupu, V. Epure, A. Ioanid, **D. Macocinschi**, *Macromolecular Assemblies of Segmented Poly(ester urethane)s and Poly(ether urethane)s*, *Journal of Applied Polymer Science*, **107**, 2008, p.1414-1422.

4.1.2. **D. Macocinschi**, D. Filip, S. Vlad, *New polyurethane materials from renewable resources: synthesis and characterization*, *e-Polymers*, 2008, no. 062, ISSN 1618-7229.

- 4.1.3. L. Moldovan, O. Craciunescu, O. Zarnescu, **D. Macocinschi**, D. Bojin, Preparation and characterization of new biocompatibilized polymeric materials for medical use, *Journal of Optoelectronics and Advanced Materials*, **10**(4), April 2008, p. 942-947.
- 4.1.4. **D. Macocinschi**, D. Filip, M. Butnaru, C.D. Dimitriu, Surface characterization of biopolyurethanes based on cellulose derivatives, *J. Mat. Sci: Mat. Med.*, 2008, DOI: 10.1007/s 10856-008-3626-8.
- 4.1.5. I.E. Raschip, C. Vasile, **D. Macocinschi**, Compatibility and biocompatibility study of new HPC/PU blends, *Polym Int.* 2008, **57**, DOI 10.1002/pi.2468.
- 4.1.6. S. Ioan, A.I. Cosutchi, C. Hulubei, **D. Macocinschi**, G. Ioanid, Surface and Interfacial Properties of Poly(amic acid)s and Polyimides, *Polymer Engineering and Science*, **47**(4), April 2007.
- 4.1.7. M. Lupu, **D. Macocinschi**, G. Ioanid, M. Butnaru, S. Ioan, Surface tension of poly(ester urethane)s and poly(ether urethane)s, *Polymer International*, **56**: p. 389-398, 2007.
- 4.1.8. M. Lupu, V. Epure, **D. Macocinschi**, S. Ioan, Intermolecular associations study of segmented polyurethane solutions by fluorescence spectroscopy and rheology, *Journal of Optoelectronics and Advanced Materials*, **9**(4), p.985-990, 2007.
- 4.1.9. M. Lupu, M. Butnaru, **D. Macocinschi**, O.Z. Oprean, C. Dimitriu, O. Bredetean, M. Zagnat, S. Ioan, Surface properties of segmented poly(ester urethane)s and evaluation of in vitro blood compatibility and in vivo biocompatibility, *Journal of Optoelectronics and Advanced Materials*, **9**(11), 2007.
- 4.1.10. M. Lupu, **D. Macocinschi**, V. Epure, A. Ioanid, C.V. Grigoras, S. Ioan, Micellization process in poly(ether urethane) solutions, *J. Macromol Sci., Part B: Physics*, 2006, **45** (3), p.395-405.
- 4.1.11. **D. Macocinschi**, A. Taranu, C. Hulubei, S. Ioan, Solution properties of poly(amic acid)s and polyimides, *Rev. Roum. Chim.* 2006, **51** (10), p.1001-1009.
- 4.1.12. S. Ioan, M. Lupu, **D. Macocinschi**, Influence of ester and ether groups on solution properties of polyurethanes, *High Performance Polymer*, **17**: p.533-546, 2005.
- 4.1.13. S. Ioan, M. Lupu, **D. Macocinschi**, Correlation between hydrodynamic volume, density in solution and unperturbed dimensions of poly(ester urethane)s with different hard segments, *Polymer-Plastics Technology and Engineering*, **44** : p.567-582, 2005.
- 4.1.14. S. Ioan, I.E. Cojocar, **D. Macocinschi**, D. Filip, Viscosimetric study of poly(ester urethane) solutions: 3-Influence of chemical structure on the conformational transition, *High Perform. Polym.*, **16**(1): p.123-135, 2004.
- 4.1.15. M.C. Popescu, C. Vasile, D. Filip, **D. Macocinschi**, Gh. Singurel, Characterization by FT-IR spectroscopy of the polyethylene adipate/cholesteryl palmitate blends, *J. Appl. Polym. Sci.*, **94**(3): p. 1156-1163, 2004.

- 4.1.16. **D. Macocinschi**, S. Ioan, M. Lupu, C. Grigoras, Experimental and theoretical aspects of segmented poly(ester urethane)s properties. Conformational transitions in solid state and solution, *Mol. Cryst. Liq. Cryst.*, **416**: p.183-190, 2004.
- 4.1.17. S. Ioan, **D. Macocinschi**, M. Lupu, Influence of hard segments to specific refractive index increments of segmented poly(ester urethane)s, *Polymer –Plastics Technology and Engineering*, **43**(2): p. 491-502, 2004.
- 4.1.18. D. Filip, C.I. Simionescu, **D. Macocinschi**, Thermogravimetric analysis of liquid crystal- polymer blends, *Thermochim. Acta*, 395: p. 217-223, 2003.
- 4.1.19. S. Ioan, **D. Macocinschi**, M. Lupu, Viscosimetric study of PEU solutions. Influence of hard segment composition on the unperturbed dimensions, *High Perform. Polym.*, **15**: p.319-328, 2003.
- 4.1.20. S. Ioan, **D. Macocinschi**, M. Lupu, Influence of chain extender on the unperturbed dimensions of PEU, *J. Optoelectron. Adv. Mat.*, **5**(3): p. 563-568, 2003.
- 4.1.21. D. Filip, Gh. Singurel, C.I. Simionescu, A. Socoliuc, A. Bradu, **D. Macocinschi**, Infrared analysis of phase transitions in liquid crystal acrylate monomers bearing urethanic groups and cholesteryl as mesogen, *Res. Chem. Interm.*, **28**(1): p. 1-11, 2002.
- 4.1.22. **D. Macocinschi**, A. Grigoriu, D. Filip, Aromatic polysulfones for flame retardancy, *Eur. Polym. J.*, **38**(5), 1025-1031, 2002.
- 4.1.23. D. Filip, **D. Macocinschi**, Thermogravimetric analysis of polyurethanes-polysulfones blends, *Polym. Int.*, **51**: p. 699-706, 2002.
- 4.1.24. D. Filip, Gh. Singurel, C.I. Simionescu, A. Socoliuc, **D. Macocinschi**, Studii de spectroscopie FT-IR asupra tranzitiilor de faza ale unor compusi alilici cu mezogeni colesterilic si grupe uretanice, *Mater. Plast.*, **39**(1): p.62-66, 2002.
- 4.1.25. S. Ioan, **D. Macocinschi**, D. Filip, A. Taranu, Specific refractive index increments of segmented poly(ester utrthane)s, *Polymer Testing*, **21**, p. 757-762, 2002.
- 4.1.26. D. Filip, C.I. Simionescu, **D. Macocinschi**, Liquid crystalline copolymers with cholesteryl as mesogenic group, *Mat. Res. Bull.*, **36**(7-8), 1455, 2001.
- 4.1.27. D. Filip, C.I. Simionescu, **D. Macocinschi**, Characterization of polymer-liquid crystal blends, *J. Serb. Chem. Soc.*, **66**(3), 153, 2001.
- 4.1.28. D. Filip, C.I. Simionescu, **D. Macocinschi**, I. Paraschiv, Miscibility in low molecular mass liquid crystal-semicrystalline polymer blends, *J. Thermal. Anal. Calorim.*, **65**: p. 821-827, 2001.
- 4.1.29. D. Filip, C.I. Simionescu, **D. Macocinschi**, Thermal behaviour of liquid crystal-polymer blends, *Polym. Degrad. Stab.*, **72**(2): 377, 2001.
- 4.1.30. **D. Macocinschi**, C. Ciobanu, I. Bestiuc, E. Costea, M. Leanca, Reactia necatalitica a acidului salicilic cu carbonatul de etilena, *Revista de chimie*, **48**: p. 252-255, 1997.
- 4.1.31. C.I. Simionescu, V. Bulacovschi, **D. Macocinschi**, Gh. Stoica, I. Negulescu, Chemical Transformation of PVC by phase transfer catalysis, *Polymer Bulletin*, 19: p. 59-63, 1988.

4.1.32. V. Bulacovschi, **D. Bejenaru**, C.I. Simionescu, Copoliesteri ai DGT sintetizat in conditiile catalizei cu transfer interfazic, *Materiale plastice*, **24**(2), 1987.

4.2. Articole publicate in reviste de specialitate din strainatate si tara (reviste necotate ISI)

4.2.1. M. Totolin, I. Neamtu, D. Filip, I. Stoica, **D. Macocinschi**, An investigation of plasma polymer thin films deposition by low-pressure non-equilibrium plasma, *Optoelectronics and advanced materials-Rapid communications*, **2**(5), June 2008, p.309-314.

4.2.2 M. Totolin, **D. Macocinschi**, G.E. Ioanid, D. Filip, A. Ioanid, Materials supports for cultural heritage objects treated in cold plasma, *Optoelectronics and advanced materials-Rapid communications*, **1**(12), December 2007, p.309-314.

4.2.3. S. Ioan, M. Lupu, A. Taranu, **D. Macocinschi**, Viscosimetric study of segmented poly(ester urethane) solutions in dilute and extremely dilute concentration domains, *Int. J. Polym. Mater.*, **54**: p.589-606, 2005.

4.2.4. S. Ioan, I.E. Cojocaru, V.C. Grigoras, **D. Macocinschi**, D. Filip, Conformational aspects of segmented poly(ester urethanes), *Macromol. Symp.*, **202**: p.179-187, 2003.

5. Articole publicate in reviste de specialitate din tara recunoscute de catre CNCSIS

5.1. A. Ioanid, **D. Macocinschi**, G.E. Ioanid, D. Filip, L. Miu, M. Crudu, Surface Study of Some Parchment Type Materials, *BIPIasi*, LIII, fasc.5, 2007, Textile Pielarie (categoria C CNCSIS).

5.2. A. Grigoriu, **D. Macocinschi**, D. Filip, Textile finishes with polymer blends, *BIPIasi*, Textile Pielarie, tom LI(LV), fasc. **1-2**, 2005 (categoria C CNCSIS).

5.3. C. Gafitanu, C. Popescu, Gh. Singurel, **D. Macocinschi**, Caracterizarea fizico-chimica a compusului de incluziune alantoina- ciclodextrina, *Rev. Medico-Chirurgicala a Soc. Med. Nat. Iasi*, **108**(1): p. 173-176, 2004 (categoria B CNCSIS).

5.4. **D. Macocinschi**, A. Grigoriu, D. Filip, S. Vlad, Polyurethane composites for textile finishing, *BIP Iasi*, Sectia Textile XLIX(LIII), fasc. **3-4**, 2003 (categoria C CNCSIS).

5.5. C. Gafitanu, **D. Macocinschi**, U. Stanescu, Caracterizarea compusului de incluziune alantoina- β - ciclodextrina prin ATG, *Rev. Medico-Chirurgicala a Soc. Med. Nat. Iasi*, **107**(2), 2003 (categoria B CNCSIS).

5.6. M. Lupu, S. Ioan, **D. Macocinschi**, Unperturbed dimensions of poly(ester urethane)s with hard segment, *Annals of West University of Timisoara*, Series Chemistry, **12**(3), p. 1537-1544, 2003 (categoria D CNCSIS).

5.7. C.M. Popescu, M.C. Popescu, D. Filip, C. Vasile, **D. Macocinschi**, Gh. Singurel, Studiu termic asupra unor amestecuri de polimeri si cristal lichid mic molecular, *Rev. stiintifica "V. Adamachi"*, Ed. UAIC Iasi, **XI**(1), 2003 (categoria D CNCSIS).

5.8. **D. Macocinschi**, A. Grigoriu, D. Filip, S. Vlad, Optimization of finishing treatment with polymer blends, *BIP Iasi*, Sectia Textile XLVIII(LII), fasc. **3-4**, 2002 (categoria C CNCSIS).

5.9. D. Filip, C. Popescu, **D. Macocinschi**, O. Ghitescu, Gh. Singurel, Spectrele IR ale unor amestecuri de polimer si cristal lichid mic molecular, *Rev. stiintifica "V. Adamachi"*, Ed. UAIC Iasi, **IX**(1), 2002 (categoria D CNCSIS).

5.10. **D. Macocinschi**, D. Filip, I. Paraschiv, Poly(ether sulfone)s - liquid crystal blends, *BIP Iasi*, XLVII(LI), fasc. **3-4**, 2001 (categoria B CNCSIS).

5.11. A. Grigoriu, **D. Macocinschi**, D. Filip, S. Vlad, Optimization study of textile's chemical treatment with polymer blends, *BIP Iasi*, Sectia Textile Pielarie XLVII(LI), fasc. **1-2**, 2001, p. 109-129 (categoria C CNCSIS).

5.12. A. Grigoriu, **D. Macocinschi**, D. Filip, Finisari textile cu amestecuri polimerice, *Analele Universitatii "Aurel Vlaicu" Arad*, Seria Textile, fasc. Tehnologii mecanice textile, p. 236-245, 2000 (categoria D CNCSIS).

5.13. A. Grigoriu, V. Blascu, **D. Macocinschi**, O. Marincas, E. Cidu, H. Scarlat, C. Sirghie, X. Antistatic Treatment, *BIP Iasi*, Sectia Textile Pielarie XLVI(L), fasc. **3-4**, 2001 (categoria C CNCSIS).

5.14. A. Grigoriu, **D. Macocinschi**, G.E. Grigoriu, D. Filip, E. Butuc, O. Marincas, G. Ioanid, A. Stoleriu, XI. Flame Retardant Treatment, *BIP Iasi*, Sectia Textile Pielarie XLVI(L), fasc. **3-4**, 2000 (categoria C CNCSIS).

5.15. **D. Macocinschi**, E. Butuc, G.E. Grigoriu, S. Idriceanu, O. Marincas, C. Cernatescu, Combined Chemical/Cold Plasma. Treatment for Optimizing Non-Woven Textile Filter Materials Applied on Gaseous and Aqueous Elluents. VIII. Aromatic Polysulfones as Flame Retardants. Synthesis and Characterization, *BIP Iasi*, Sectia Textile Pielarie XLVI(L), fasc. **1-2**, 2000 (categoria C CNCSIS).

5.16. **D. Macocinschi**, A. Grigoriu, S. Vlad, I. Bestiuc, C. Ciobanu, Polimeri poliesteri-poliuretani pentru finisare de acoperire a materialelor textile, *Revista Romana de Textile Pielarie*, nr. 2: p. 89-97, 1997 (categoria D CNCSIS).

6. Articole publicate in alte reviste de specialitate din tara

6.1. A. Grigoriu, **D. Macocinschi**, D. Filip, Acoperiri textile cu amestecuri polimerice, *Buletinul Universitatii "Lucian Blaga" Sibiu*, Sectiunea Tehnologii si utilaje in industria textila, p. 81-88, 2001.

6.2. V. Bulacovschi, C. Mihailescu, **D. Macocinschi**, N. Hurduc, I. Negulescu, The use of quaternary ammonium salts as phase transfer catalysts in synthesis and modification of polymers, *Memoriile Sectiilor Stiintifice*, IV, XIII, 1, 1990, p.13-20.

7. Articole/studii publicate in volumele unor manifestari stiintifice internationale recunoscute din tara si din strainatate (cu ISSN sau ISBN)

7.1. **D. Macocinschi**, D. Filip, S. Vlad, Effects of the microstructure of polyurethane-cellulose derivative biomaterials on their thermomechanical properties, *The 5-th Conference "New Research Trends in Material Science" ARM 5*, 5-7 September, 2007, vol. II, p. 528-531, Sibiu, Romania.

7.2. **D. Macocinschi**, D. Filip, S. Vlad, Polyurethanes from renewable resources as candidates for friendly environment new materials, *International Conference "Biodegradable Polymers from Renewable Resources"*, 18-21 November 2007, p. 206-210, Vienna, Austria.

7.3. O. Craciunescu, O. Zarnescu, M. Lungu, **D. Macocinschi**, L. Moldovan, Natural fiber-coated polyurethane for medical device fabrication, *Nanomedicine-International Conference on Nanomedicine*, 9-11 September 2007, p.197-203, Chalkidiki, Greece.

7.4. A.I. Cosutchi, C. Hulubei, G. Ioanid, **D. Macocinschi**, S. Ioan, Surface Properties of Poly(amic acid)s and Polyimides, *Sesiunea de comunicari stiintifice cu participare internationala STRATEGII XXI Bucuresti*, 13-14 aprilie 2006, (patronata de Ministerul Apararii Nationale si Univ. Nationala de Aparare "Carol I", ISBN: 973-7854-52-7), p. 116-126.

7.5. M. Lupu, V. Epure, **D. Macocinschi**, S. Ioan, Fluorescence studies of micelle formation in poly(ether urethane) solutions, *Sesiunea de comunicari stiintifice cu participare internationala STRATEGII XXI Bucuresti*, 13-14 aprilie 2006, (patronata de Ministerul Apararii Nationale si Univ. Nationala de Aparare "Carol I", ISBN: 973-7854-52-7), p. 198-208.

7.6. M. Lupu, S. Ioan, **D. Macocinschi**, On the reological properties of segmented polyurethanes, *Romanian International Conference on Chemistry and Chemical Engineering XIV*, 22-24 sept. 2005 Bucuresti.

7.7. C. Gafitanu, **D. Macocinschi**, Thermogravimetric analysis in characterization berberine chlorine-betacyclodextrin inclusion complex, *8th Symposion of Colloid and Surface Chemistry*, Galati, 2-4 June 2005, ISBN: 973-8316-84-7, p.126-129.

7.8. M. Lupu, S. Ioan, **D. Macocinschi**, Crosslinked structures in solutions of poly(ether urethane)s, *Esaform*, Cluj Napoca, 27-29 April 2005.

7.9. S. Ioan, M. Lupu, **D. Macocinschi**, Interactions in polyurethanes solutions, *International Conference on Materials Science and Engineering BRAMAT*, 24-26 February 2005, Brasov.

7.10. M. Lupu, S. Ioan, **D. Macocinschi**, V. Epure, Micellization process in poly(ether urethane) solutions, *8th International Symposium*, Budapesta, Ungaria, 13-16 sept. 2005.

7.11. S. Ioan, M. Lupu, **D. Macocinschi**, Segmented Solyurethanes in Solutions, *Word Polymer Congress Macro 2004, 40th International Symposium on Macromolecules*, 4-9 iulie 2004, Paris, Franta, *Congress Proceeding* (CD edition).

7.12. M. Lupu, S. Ioan, **D. Macocinschi**, Influence of Soft and Hard Segments on the Solutions Properties of PU, *Word Polymer Congress Macro 2004, 40th International Symposium on Macromolecules*, 4-9 iulie 2004, Paris, Franta, *Congress Proceeding* (CD edition).

7.13. S. Ioan, E. Cojocaru, **D. Macocinschi**, D. Filip, Light Scattering Data of Poly(ester urethanes) in Dilute Solutions, *International Conference on Materials Science and Engineering BRAMAT*, 13-14 martie 2003, Brasov.

7.14. E. Cojocaru, S. Ioan, C. Grigoras, **D. Macocinschi**, D. Filip, Conformational Transitions of Segmented PEU in Solid State and Solutions, *International Conference on Materials Science and Engineering BRAMAT*, 13-14 martie 2003, Brasov.

7.15. **D. Macocinschi**, M. Lupu, S. Ioan, Influence of hard segment composition on the optical properties of segmented PEU, *Romanian International Conference on Chemistry and Chemical Engineering XIII*, vol.2, sept. 2003 Bucuresti.

7.16. E. Popovici, I. Bedeleian, D. Pop, G. Singurel, **D. Macocinschi**, H. Bedeleian, Molecular sieves from pillaring of some Romanian bentonite, *13 International Zeolite Conference*, 8-13 July 2001, Montpellier (CD).

7.17. M.C. Popescu, C. Vasile, D. Filip, **D. Macocinschi**, Gh. Singurel, Spectroscopical study of some systems containing liquid crystalline components, *The 3-rd Conference on Isotopic and Molecular Processes, PIM 2003*, Cluj Napoca, September 25-27, 2003.

7.18. **D. Macocinschi**, O. Marincas, D. Suteu, D. Filip, Patrimoniu construit - studiu fizico chimic al materialelor din edificiul Baia Turceasca Iasi, *Simpozion International de Conservare-Restaurare VIII*, 19-25 martie 2000 Tusnad, p. 132-137.

7.19. A. Grigoriu, V. Blascu, **D. Macocinschi**, O. Marincas, L. Slonovschi and G. Ioanid, Chemical/Plasma Treatments of Nonwoven Filters, *ICPIG 99 Varsovia*, Polonia, 11-16 iulie 1999.

8. Articole/studii publicate in volumele unor manifestari stiintifice nationale

8.1. A. Grigoriu, **D. Macocinschi**, D. Filip, Finisarea materialelor textile cu amestecuri de polimeri si cristale lichide, *A XII-a Conferinta Romana de Textile si Pielarie Iasi*, 17-19 oct. 2002, Iasi, p. 199-208.

8.2. A. Stanciu, A. Grigoriu, V. Bulacovschi, **D. Macocinschi**, Materiale textile finisate prin acoperire cu poli(ester siloxan)uretani si compozitii poliuretane, *A XI-a Conferinta Romana de Textile si Pielarie Iasi*, 23-24 oct. 1997.

9. Brevete

9.1. **D. Macocinschi**, A. Grigoriu, S. Dragan, G. Ioanid, L. Ghimici, Procedeu pentru obtinerea unui material netesut cu proprietati antistatice, RO117806B (30.07.2002).

9.2. G. Ioanid, **D. Macocinschi**, D. Neamtu, A. Stanciu, Procedeu de finisare pentru impermeabilizarea unui material textil, RO117863B (30.08.2002).

10. Proiecte de cercetare –dezvoltare-inovare pe baza de contract/grant

10.1. Granturi si contracte in tara

10.1.1. *Grant Academia Romana* : GAR nr. 56/2007-nr. 53/2008 (2007-2008)

Denumire proiect : Biomateriale poliuretane cu aplicatii in medicina. Biocompatibilitate si raspuns tisular-interactiuni ale implantului poliuretan in sistemul fiziologic.

Director proiect : **D. Macocinschi**

Colectiv de lucru: D. Filip, S. Vlad, M. Lupu, C. Gafitanu, M. Butnaru

10.1.2. *Contract CNCSIS* nr. 178/ (2007-2008)

Denumire proiect : Proprietati ale unor polimeri cu arhitecturi speciale pentru aplicatii biomedicale

Director de proiect : Silvia Ioan

Colectiv de lucru: **D. Macocinschi**, E. Avram, D. Filip, M. Lupu, A. Filimon, I. Cosutchi, A. Necula, M. Butnaru

10.1.3. *Grant CEEEX* : 54/2006 (2006-2008)

Denumire proiect : Tehnologie multifunctionala integrata pentru conservarea patrimoniului cultural national

Director proiect : G. Ioanid

Colectiv de lucru P.Poni: B.C. Simionescu, A. Chiriac, E. Avram, L. Nita, S. Ioan, I. Neamtu, **D. Macocinschi**, D. Filip, M. Totolin, M. Lupu, A. Filimon, A.I. Cosutchi, T. Terlescu, C. Munteanu, E. Lacatusu

10.1.4. *Grant CEEEX* 1/28.10.2005 (2005-2008)

Denumire proiect : Utilizarea unor biomarkeri morfologici, structurali, ultrastructurali si biologici in evaluarea impactului antropic asupra biodiversitatii din Parcul National Ceahlau si zona limitrofa

Director de proiect ICMPP partener 1 : Ioanid Ghiocel

Colectiv de lucru : Ioanid Aurelia, Epure Virginia, Dumitrescu Anca, **Macocinschi Doina**, Filip Daniela

10.1.5. *Contract Calist* 6114/2005 (2005-2007)

Denumire proiect : Realizarea de biopolimeri matriceali naturali multifunctionali pentru biocompatibilizarea polimerilor sintetici destinati utilizarii medicale

Director de proiect ICMPP partener 3 : Cornelia Vasile

Colectiv de lucru : **Doina Macocinschi**, Diana Ciolacu, Raschip Irina, Florina Crivoi, Maria Cristina Popescu, Raluca Dumitriu, Smera Gheorghe

10.1.6. *Contract CEEEX* nr. 34/20.07.2006 (2006-2008)

Denumire proiect : Cercetari multidisciplinare pentru stabilirea mecanismelor de deteriorare a documentelor istorice si culturale din pergament

Director de proiect : A.Ioanid

Colectiv de lucru : G.E. Ioanid, I. Neamtu, A. Dumitrescu, **D. Macocinschi**

10.1.7. *Contract CERES* nr. 69/2002 (2002-2004)

Denumire proiect : Polimeri cu arhitecturi speciale. Sinteza, caracterizare, proprietati, noi domenii de utilizare

Director de proiect : S. Ioan

Colectiv de lucru : A. Stanciu, **D. Macocinschi**, D. Filip, T. Rusu, A. Filimon, M. Lupu, M. Vasiliu, A. Taranu

10.1.8. *Contract de cercetare stiintifica aplicativa inaintata, incheiat cu K.L.T.& Co. INDUSTRIES, Bucuresti/2001*

Denumire proiect : Polimeri pentru acoperire, etansare si curatirea suprafetelor metalice

Director de proiect : C. Ciobanu

Colectiv de lucru : C. Cascaval, D. Rosu, L. Rosu, G. Moroi, G.E. Grigoriu, **D. Macocinschi**, D. Filip, L. Ignat, M.C. Palamaru, A.R. Iordan

10.1.9. *Grant Academia Romana finantat de MCT / (1997-1998)*

Denumire proiect : Poliuretani cu proprietati optice neliniare

Director de proiect : C. Ciobanu

Colectiv de lucru : I. Bestiuc, I. Diaconu, S. Vlad, D. Filip, S. Idriceanu, S. Oprea, A. Stanciu, G. Moroi, **D. Macocinschi**, P. Coman

10.2. Granturi/contracte cu finantare din strainatate

10.2.1. *Contract International INCO-COPERNICUS : ERBIC 15 CT 960723 (1997-2000)*

Denumire proiect : Tratamentul combinat plasmă-chimic pentru imbunatatirea materialelor filtrante netesute destinate mediilor gazoase si lichide

Responsabil de tema pentru ignifugare: **D. Macocinschi**

Colectiv de lucru : E. Butuc

11. Alte lucrari si contributii stiintifice

11.1. Comunicari prezentate la manifestari stiintifice internationale

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