

CURRICULUM VITAE

Numele si prenumele: HULUBEI CAMELIA

Data nasterii: 07.08.1955

Studii universitare: Institutul Politehnic "Gh. Asachi" - Iasi, Facultatea de Tehnologie Chimica
Domeniul: Tehnologia compusilor macromoleculari; perioada 1974-1979

Studii de doctorat: Institutul de Chimie Macromoleculara "Petru Poni" - Iasi
Domeniul: Chimia compusilor macromoleculari; perioada 1990-1999

Specializari: Fraunhofer Institute for Applied Polymer Research Science Center, Golm,
Potsdam, Germania: stagiul post-doctorat, 6 luni: 2000-2001

Grade profesionale stiintifice/didactice:

1979 - inginer stagiar, Intreprinderea Electroaparataj, Bucuresti

1981 - inginer stagiar, CHIMPEX, Constanta

1982 - inginer, Intreprinderea de traductoare si reglatoare directe, Pascani

1983 - inginer Institutul de Chimie Macromoleculara "Petru Poni", Iasi

1986 - cercetator stiintific, Institutul de Chimie Macromoleculara "Petru Poni", Iasi

1999 - cercetator stiintific gradul III, Institutul de Chimie Macromoleculara "Petru Poni", Iasi

2007 - cercetator stiintific gradul II, Institutul de Chimie Macromoleculara "Petru Poni", Iasi

Limbi straine: Engleza, Franceza

Experiența științifică și profesională:

- Chimia polimerilor heterociclici termostabili pentru aplicatii de inalta performanta
- Sinteze de polimeri functionali: polimaleimide, poli(imid-eteri), poliaspartimide, poliimide, etc.
- Sinteze de poliesteri si poliamide
- Sinteze de polimeri radioprotectivi

Lucrari publicate:

- 77 articole stiintifice publicate in reviste cotate ISI, 10 articole stiintifice publicate in alte reviste de specialitate din tara, 11 studii publicate in volumele unor manifestari stiintifice internationale recunoscute din tara si din strainatate (cu ISSN sau ISBN) ;
- 1 carte publicata in tara; 3 capitole de carti
- membru a 5 Proiecte de Cercetare (CEEX, GAR, CNCSIS)
- responsabil la 2 Proiecte de Cercetare
- 7 brevete acordate.

Dr. Camelia HULUBEI

Lista de lucrari

Teza de doctorat: *Noi polimeri functionali cu structura maleinimidica*

(Ordinul ministrului invatamantului nr. 5086 / 1.07.1999)

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

Polyimide surface modification by RF plasma for biocide attachment

A.I. Barzic, D. Popovici, **C. Hulubei**, et al.

International Journal of Polymer Analysis and Characterization **21**, 1, 77-84 (2016)

Polyimide film surface modification by nanosecond high voltage pulse driven electrical discharges in water

C. Miron, **C. Hulubei**, I. Sava, A. Quade, A. Steuer, K.D. Weltmann and J.F. Kolb.

Plasma Processes and Polymers, **12**, 8, 734-745 (2015)

Polyimide precursor pattern induced by banded liquid crystal matrix: Effect of dianhydride moieties flexibility

A.I. Barzic, **C. Hulubei**, M.I. Avadanei, I. Stoica, D. Popovici.

Journal of Materials Science, **50**, 1358–1369 (2015)

Polyimide precursor pattern induced by banded liquid crystal matrix: Effect of dianhydride moieties flexibility

A.I. Barzic, **C. Hulubei**, M. I. Avadanei et al.

Journal of Materials Science, **50**, 3, 1358-1369 (2015)

Electrical resistivity under different humidity conditions for plasma-treated and gold-sputtered polyimide films

S-L Nica, **C. Hulubei**, I.Stoica, E.G. Ioanid, V. Nica & S. Ioan,

Polymer Bulletin ISSN 0170-0839, *Polym. Bull.*, DOI 10.1007/s00289-015-1560-8 (2015)

Surface topography effect on fibroblasts population on epiclone-based polyimide films

I. Stoica, A.I. Barzic, M. Butnaru, F. Doroftei, **C. Hulubei**.

J. Adhes. Sci. Technol. **29**, 2190–2207 (2015)

Semi-alicyclic polyimide precursors: structural, optical and biointerface evaluations

D. Popovici, A.I. Barzic, R.F. Barzic, D.S. Vasilescu, **C. Hulubei**.

Polymer Bulletin, DOI: 10.1007/s00289-015-1495-0 (2015)

On the thermal stability of some aromatic-aliphatic polyimides

C.D. Varganici, D. Rosu, C. Barbu-Mic, L. Rosu, D. Popovici, **C. Hulubei**, B.C. Simionescu.

Journal of Analytical and Applied Pyrolysis **113**, 390–401 (2015)

Influence of two structural phases of Fe₃O₄ and γ-Fe₂O₃ on the properties of polyimide/iron oxide composites

S.L. Nica, V. Nica, V. Grigoras, C.D. Varganici, D. Popovici, **C. Hulubei**, S. Ioan.

Polymer International , **64**, 9, 1172–1181 (2015)

New polyimide-based porous crosslinked beads by suspension polymerization: physical and chemical factors affecting their morphology

C. Hulubei, C. D. Vlad, I.Stoica, D. Popovici, G. Lisa, S.L. Nica, I.A. Barzic.

Journal of Polymer Research, **21**, 9, 514, (2014)

Origin of Dielectric Response and Conductivity of Some Alicyclic Polyimides

S. Ioan, **C. Hulubei**, D. Popovici, et al.

Polymer Engineering and Science, **53**, 7, 1430-1447, (2013)

Surface properties and blood compatibility of some aliphatic/aromatic polyimide blends

S.L. Nica, **C. Hulubei**, I. Stoica, et al.

Polymer Engineering and Science, **53**, 2, 263-272 (2013)

Origin of rheological behavior and surface/interfacial properties of some semi-alicyclic polyimides for biomedical applications

S. Ioan, A. Filimon, **C. Hulubei**, et al.

Polymer Bulletin, **70**, 10, 2873-2893 (2013)

Statistical analysis on morphology development of some semialicyclic polyimides using atomic force microscopy; Stoica, A.I. Barzic, **C. Hulubei**, et al.

Microscopy Research and Technique, **76**, 5, 503-513 (2013)

An insight on the effect of rubbing textile fiber on morphology of some semi-alicyclic polyimides for liquid crystal orientation

A-I. Barzic, I. Stoica, D. Popovici, S. Vlad, V. Cozan, **C. Hulubei** .

Polymer Bulletin, **70**, 5, 1553-1574 (2013)

Morphological effects on transparency and absorption edges of some semi-alicyclic polyimides

A.I. Barzic, I. Stoica, N. Fifere, C.D Vlad, **C. Hulubei**.

Journal of Polymer Research , **20**, 5, 130 (2013)

The impact of rubbing fabric type on surface roughness and tribological properties of some semi-alicyclic polyimides evaluated from atomic force measurements

I. Stoica, A-I. Barzic, **C. Hulubei**

Applied surface science, **268**, 442-449 (2013)

Plasma Modification of Surface Wettability and Morphology for Optimization of the Interactions Involved in Blood Constituents Spreading on Some Novel Copolyimide Films

D. Popovici, A.I. Barzic, I. Stoica, M. Butnaru, G. E. Ioanid, S. Vlad , **C. Hulubei**, M. Bruma.

Plasma Chemistry and Plasma Processing, **32**, 4, 781-799 (2012)

Effects of the aliphatic/aromatic structure on the miscibility, thermal, optical, and rheological properties of some polyimide blends

A.I. Cosutchi, S.L. Nica, **C. Hulubei**, et al.

Polymer Engineering and Science, **52**, 7, 1429-1439 (2012)

A new approach for patterning epichlorohydrin-based polyimide precursor films using a lyotropic liquid crystal template

A.I. Cosutchi, **C. Hulubei**, I. Stoica et al.

Journal of Polymer Research, **18**, 6, 2389-2402 (2011)

Influence of Temperature on the Rheological Behavior of Polymer Mixtures in Solution

S. Morariu, Simona, C. Brunchi, **C. Hulubei**, et al.

Industrial & Engineering Chemistry Research, **50**, 15, 9451-9455 (2011)

Chain packing versus chain mobility in semialiphatic BTDA-based copolyimides

M. Cristea, D. Ionita, **C. Hulubei**, et al.

Polymer, **52**, 8, 1820-1828 (2011)

Novel polyimides containing alicyclic units. synthesis and characterization

C. Hulubei, D. Popovici

Revue Roumaine de Chimie , **56**, 3, 209 (2011)

Morphological and structural-rheological relationship in epichlorohydrin-based polyimide/hydroxypropylcellulose blend systems

A.I. Cosutchi, **C. Hulubei**, I. Stoica et al.

Journal of Polymer Research, **17**, 4, 541-550 (2010)

Performance Aromatic-Aliphatic Polyimides

C. Hulubei.

Materiale plastic, **46**, 2, 134-139 (2009)

Functional maleimide-based structural polymers

C. Hulubei

Revue Roumaine de Chimie, **53** , 9, 743 (2008)

Influence of conformational parameters on physical properties of some poly(imide-ether-amide)s based on epiclon

E. Hamciuc, **C. Hulubei**, M. Bruma, et al.

Revue Roumaine de Chimie, **53**, 9, 737 (2008)

Structural and dielectric properties of some epiclon-based polyimide films

A.I. Cosutchi, **C. Hulubei**, I. Stoica, et al.

e-Polymers, article no. 068 ISSN 1618-7229, (2008)

Optical and dielectric properties of some polymers with imidic structure

A.I. Cosutchi, **C. Hulubei**, S. Ioan

Journal of Optoelectronics and Advanced Materials, **9**, 4, 975-981(2007)

Surface and interfacial properties of poly(amic acid)s and polyimides

S. Ioan, A. I. Cosutchi, **C. Hulubei**, D. Macocinschi, G. Ioanid

Polymer Engineering and Science, **47**, 4, 381-389 (2007)

Effect of chemical structure on the electrical properties of some polymers with imidic structure

A.I. Cosutchi, **C. Hulubei**, M. Buda, T. Botila, S. Ioan

e-Polymers, article no.067, ISSN 1618-7229 (2007)

Rheological study of some epiclon-based polyimides

A. I. Cosutchi, **C. Hulubei**, S. Ioan

Journal of Macromolecular Science Part B Physics, **46**, 5, 1003-1012 (2007)

Theoretical and experimental study of dielectric and optical properties of some epiclon based polyimides

I. Cosutchi, **C. Hulubei**, M. Buda, T. Botila, S. Ioan

Revue roumaine de chimie **52**, 7, 665-670 (2007)

New polyimides based on Epiclon

C. Hulubei, E. Hamciuc and M. Bruma

Revue Roumaine de Chimie, **52**, 11, 891-898 (2007)

Radical Copolymerization of Functional N-Substituted maleimides with N-Vinyl-2-Pyrrolidone

S. Morariu, **C. Hulubei**

High Performance Polymers, **18**, 2, 185-198 (2006)

New Poly (imide-ether-amide)s based on Epiclon

E.Hamciuc, R. Lungu, **C Hulubei**, M. Bruma

Journal of Macromolecular Science, **43**, 1-12 (2006)

New Crosslinked Bead-like Copolymers Based on N-p-Carboxyphenyl-Maleimide

C. Hulubei, C.D. Vlad, V. Dinu

High Performance Polymers, **18**, 3, 243-253 (2006)

Metal Complexes of Maleimide Compounds

C. Hulubei, M Cazacu, S. Morariu

High Performance Polymers, **18**, 1, 101-111 (2006)

Alternating copolymers from N-(4-formylphenoxy-4'-carbonylphenyl)maleimide.

A comparative study.

C. Hulubei, S.Morariu

Revue Roumaine de Chimie, **51**, 5, 425-433 (2006)

Maleimide type polymers based on N-(3- acetoxy- 4-carboxy-phenyl)maleimide

C. Hulubei, M. Bruma

Revue Roumaine de Chimie, **51**, 7-8, 743-752 (2006)

Solution Properties of Poly (amic acids)s and Polyimides

D. Macocinschi, A.Taranu, **C. Hulubei**, S. Ioan

Revue Roumaine de Chimie, **51**, 10, 1007-1017 (2006)

Crosslinkable polyesters

C. Hulubei

Materiale Plastice, **42**, 3, 188-191 (2005)

Synthesis and Characterization of Novel Oligomers from the Reaction of Bismaleimides with Diols

C. Hulubei, V. Cozan

High Performance Polymers, **16**, 1, 149-158 (2004)

Novel Poly (Succinimide -Ether)s Based on the Reaction of Bismaleimides with Azomethine Bisphenols

C. Hulubei, V. Cozan, M Bruma

High Performance Polymers, **16**, 3, 405-418 (2004)

Functional poly(bismaleinimide-ether)s

C. Hulubei

Revista de Chimie, **54**, 3, 229-232 (2003)

Functional polymers

C. Hulubei

Materiale Plastice, **39**, 4, 209-212 (2002)

Crosslinked copolymers based on N-(p-Carboxyphenyl)-maleimide

C.D.Vlad, **C. Hulubei**

High Performance Polymers, **14**, 1, 31- 40 (2002)

New functional monomaleinimide

C. Hulubei

Revista de chimie, **52**, 7-8, 361-364 (2001)

Synthesis and radical polymerization of N-(3-acetyl-4-carboxyphenyl) maleimide

C. Hulubei, S. Morariu

High Performance Polymers, **12**, 4, 525-533 (2000)

Functional copolymers of N-(4-formyl-phenoxy-4'-carbonylphenyl)maleimide with styrene

C. Hulubei, S. Morariu

High Performance Polymers, **12**, 3 367-375 (2000)

Synthesis and characterization of new functional bismaleimides

C. Hulubei, C. Gaina

High Performance Polymers, **12**, 2, 247-263 (2000)

New poly(bismaleimide-ether)s containing functional pendant carboxylic groups

C. Hulubei, C. Cojocariu, S. Pecincu, Fl. Popescu

Journal of Macromolecular Science -Pure and Applied Chemistry, **A 34**, 6, 1085-1095 (1997)

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

Liquid Crystal Maleimide monomers

C. Hulubei, D. Buiceac

Bul. Inst. Pol. Iasi –Chimie si Inginerie Chimica - Tomul LI(LV) 3-4, **2005**

Polyesters Based on Epiclone

C. Hulubei, E. Hamciuc

Bul. Inst. Pol. Iasi- Sectia Stiinta si Ingineria Materialelor - Tomul LI(LV) 1, 295-302, **2005**

Structure -thermal and viscometric properties relationship

for some poly(N-substituted maleimide-co-N-vinyl 2-pyrrolidone)s

C. Hulubei, S. Morariu

Bul. Inst. Pol. Iasi- Sectia Stiinta si Ingineria Materialelor - Tomul LI(LV) 1, 47-54, **2005**

Nonlinear Polymer Architectures

C. D. Vlad, **C. Hulubei**

Analele stiintifice ale univ. "Al. I. Cuza"-Iasi Serie Chimie, Tomul XII 83-86, **2004**

Preparation and characterization of bismaleimide-diphenol prepolymers

C. Hulubei

Bull. Inst. Pol.- Iasi, Chimie si Inginerie Chimica Tomul L (LIV) 3-4, 25-32, **2004**

Functional Polymers Based on Salicylic Acid Derivatives

C. Hulubei, C. D. Vlad

Bull. Inst. Pol.- Iasi, Chimie si Inginerie Chimica Tomul L (LIV) 1-2, 69-75, **2004**

Functional polyamides by Yamazaki polycondensation

C. Hulubei

Bull. Inst. Pol.- Iasi, Chimie si Inginerie Chimica Tomul XLIX (LIII) 5, 391-396, **2003**

On the Reactivity of the Maleimide Double Bond in the Functional Copolymers Synthesis

C. Hulubei, C.D. Vlad

Bull. Inst. Pol. - Iasi, Chimie si Inginerie Chimica, Tomul XLIX (LIII) 5, 385-390

Reactive Monomers by Schotten-Baumann type Reactions. Synthesis and Characterization (I)

C. Hulubei

Bull. Inst. Pol.- Iasi, Tomul XLVII (LI), Fasc. 1-2, 115-122, **2001**

Compusi de aditie ai epichlorhidrinei cu derivati clorurati ai fosforului

F.Popescu, **C.Hulubei**, O.Petreus, L.Rosescu

Memoriile Sectiilor Stiintifice, Seria IV, Vol.XIII, nr. 1, **1990**

ARTICOLE / STUDII PUBLICATE IN VOLUME ale unor manifestari stiintifice internationale recunoscute (cu ISSN sau ISBN)

Rheological properties of some complex polymers containing alicyclic structures;

S. Ioan, A.Filimon. **C. Hulubei**. D. Popovici

9th International Conference, Heat Transfer, Fluid Mechanics and Thermodynamics HEFAT 2012, pp. 342-347, CD – ISBN: 978-1-86854-986-3, Valletta, Malta 16-18 July **2012**

Low dielectric constant polyimides containing alicyclic segments

D. Popovici, **C. Hulubei**, V. E. Musteata, et al.

34th International Semiconductor Conference (CAS) Location: Natl Inst Res & Dev Microtechnologies (IMT), Sinaia, Romania: oct. 17-19, 2011

34TH EDITION, VOLS 1 AND 2 Book Series: International Semiconductor Conference,

Proceedings Pages: 249-252 (**2011**)

Polymer blends containing maleimide-metal complexes

C. Hulubei, E. Hamciuc, M. Bruma, et al.

Book Group Author(s): IEEE

31st International Semiconductor Conference 2008, Sinaia, Romania: oct. 13-15, 2008;

CAS: INTERNATIONAL SEMICONDUCTOR CONFERENCE, Proceedings Pages: 275-278 (**2008**)

Synthesis and characterization of some functional polyimides

C. Hulubei, E. Hamciuc, M. Bruma, A. Muller

International Semiconductor Conference 2007, Sinaia, Romania: oct. 15-17, 2007
CAS: INTERNATIONAL SEMICONDUCTOR CONFERENCE, VOLS 1 AND 2,
Proceedings Pages: 323-326 (2007)

Electrical properties of epichlorohydrin based polyimides

A. I. Coșuțchi, **C. Hulubei**, S. Ioan

Proceedings *International Conference on Material Science and Engineering Romania*, febr. 22-24 2007,
BRAMAT ISSN 1223-9631 (2007)

Flow behavior of the poly(N-(4-carboxyphenyl)maleimide-co-styrene) in Dimethylsulfoxide

S. Morariu, **C. Hulubei**, M. Bercea.

Proceedings *International Conference on Material Science and Engineering Brasov, Romania*, febr. 22-24 2007, BRAMAT ISSN 1223-9631 (2007)

Liquid crystal template applied for polyimide-cellulose derivative thin films

D. Filip, A.I. Cosutchi, **C. Hulubei**, S. Ioan

(Bio)Degradable polymers from renewable resources; Proceedings of the International Conference Viena, 18-21 nov.2007, p. 245-248, (2007)

Optical surface properties of polyimides cross-linked thin film

A. I. Cosutchi, **C. Hulubei**, D. O. Dorohoi, M. Neagu, S. Ioan

Conferinta Nationala de Fizica Aplicata, Ed. a III-a, Galati, 15-16 iunie 2007

The Anals of the "Dunarea De Jos" University of Galati, Mathematics, Physics, Chemistry, Informatics, Fascicle II, Supl. XXV(XXX), 77-81 (2007)

Surface Properties of Poly(amic acid)s and Polyimides

A. I. Cosutchi, **C. Hulubei**, G. Ioanid, D. Macocinschi, S. Ioan

Volum lucrări al Sesiunii de Comunicari Stiintifice cu participare internationala STRATEGII XXI

(Patronata de Ministerul Apararii nationale si Univ. Nationala de Aparare « Carol I » Bucuresti, apr. 2006
116; ISBN: 973-7854-52-7, 13-14 (2006)

Study on Crosslinked Copolymers Based on N-(p-carboxyphenyl)-maleimide

C. Hulubei, M. Bruma, C. D. Vlad

International Symposium on Polymer Conetworks, Gels and Membranes Science, Technology and Application, Budapest, Ungary 2005, Proceedings Pages:100-103 (2005)

Quelques aspects sur la copolymerization alternee

de maleimides N-substitues avec la N-vinylpyrrolidone et le styrene

C. Hulubei, S. Morariu

Troisieme Colloque Franco-Roumaine de Chimie Appliquee, COFrRoCA, Bacau-Romania, 2004, p. 631-634, ISBN 973-8392-36-5 (2004)

CARTI

Polimeri functionali maleimidici

C. Hulubei

Ed. PIM, ISBN 978-973-716-684-5 Iasi (2007)

CAPITOLE in carti

Semi-Alicyclic Polyimides: Insights into Optical Properties and Morphology Patterning Approaches for Advanced Technologies

A.I. Barzic, I. Stoica and **C. Hulubei**

In *High Performance Polymers - Polyimides Based - From Chemistry to Applications* book edited by Marc J.M. Abadie, ISBN 978-953-51-0899-3, (2012)

Maleimide-Based structural polymers,

C. Hulubei and C. D.Vlad

In *Recent Research Trends in Polymer Science*, 119-143, Ed. E. Scortanu, Transworld Research Network 37/661 (2), Fort P.O., Trivandrum-695 023, ISBN: 978-81-7895-427-1, Kerala, India (2009)

(Co)polimeri maleimidici reticulati

C. Hulubei, C.D. Vlad

In *(Copolimeri reticulati obtinuti prin polimerizare in suspensie*, Ed. C. D. Vlad, ISBN 978-606-520-202-3 Ed. PIM, Iasi (2008)

PROIECTE de cercetare-dezvoltare-inovare pe baza de contract/grant

Sisteme complexe pe bază de polimeri conținând structuri aliciclice pentru materiale de înaltă performanță

CONTRACTUL NR. 302/5.10.2011 COD PROIECT: PN-II-ID-PCE-2011-3-0937, valoare etapa 2/2012: 500000 lei.

Director proiect Dr. Silvia Ioan / Echipa de cercetare: S. Ioan , **C. Hulubei**, C. D. Vlad, A. I. Barzic, A. Filimon , I. Stoica, D. Popovici, I. Teșcu. Durata: 10. 2011-10. 2016

Materiale polimerice de tip imidic, maleimidic si siloxanici pentru utilizare in sisteme nanoelectromecanic

Subcontract de finantare nr. 2038 / CEEEX 97 / 9.09.2006

Etapa I 2006, Valoare 20 000 RON

Director proiect – E. Hamciuc/ Echipa: E.Hamciuc, M. Bruma, C. Hamciuc, I. Sava, M Cazacu, C. Racles,

Etapa II 2007, Valoare 58 140 RON

Director proiect – E. Hamciuc / Echipa de cercetare: E.Hamciuc, M. Bruma, C. Hamciuc, I. Sava, M Cazacu, C. Racles, **C. Hulubei**, M. D. Damaceanu, A. M. Ipate

Etapa IV 2007 Valoare 68 440 RON

Director proiect – E. Hamciuc/ Echipa de cercetare: E.Hamciuc, M. Bruma, C. Hamciuc, I. Sava, M Cazacu, C. Racles, **C. Hulubei**, M. D. Damaceanu

Etapa V 2008 Valoare 203 420 RON

Director proiect – E. Hamciuc/ Echipa de cercetare: E.Hamciuc, M. Bruma, C. Hamciuc, I. Sava, M Cazacu, C. Racles, **C. Hulubei**, M. D. Damaceanu

Comportarea nanomaterialelor pe baza de polimer/argila in conditii statice si dinamice

Proiect CNCISIS nr. 55GR, tema nr. 3 (2006-2008). Valoare etapa 2007: 50 000 RON 104GR/25.05.2007

Director proiect: S. Morariu/ Echipa de cercetare: M.Bercea, **C. Hulubei**, C.E. Brunchi.

Copolimeri alternanti pentru materiale optice cu inalt potential aplicativ

Academia Romana - Contract Grant Nr. 40 din 8 /11/ 2005 Valoare 37 000 000

Responsabil grant: **C. Hulubei**

Colectiv de lucru: C. Hulubei, L. Cianga, V. Cozan, S. Morariu, L. Marin, M. Bruma

Etapa a II a 2007, Academia Romana - Contract Grant Nr. 36/ 2006 - Valoare 4. 200 RON

Responsabil grant: **C. Hulubei**/

Colectiv de lucru: C. Hulubei, L. Cianga, V. Cozan, S. Morariu, L. Marin, M. Bruma

Noi monomeri si polimeri cu structura imidica si inalt potential aplicativ

Academia Romana - Contract Grant Nr. 120 / 1998 Valoare > 1500 & (17 mil.lei)

Responsabil grant: Fl. Popescu

Colectiv de lucru: Fl. Popescu, **C. Hulubei**, L.Cianga

Monomeri de tip maleinimidic, o noua alternativa in sinteza polimerilor functionali sau biocompatibili si biodegradabili

ANSTI nr.contract.5052 / 17.XI. 1999 Tema: B10,

Etapa 1999; Valoare: 15.000 mii lei

Responsabil grant: Fl. Popescu

Colectiv de lucru: **C. Hulubei**, L.Cianga, C.Vlad, S.Morariu

Etapa 2000: Tema: B10, Act additional 2633/26 VI 2000; Valoare: 20.000 mii lei

“Polimerizarea monomerului N-(3-acetil-4 carboxi-fenil) maleinimida.

Copolimerizarea monomerului N - (4-formil- fenoxi-4'-carbonil-fenil) maleinimida cu stirenul. Studiul factorilor de influenta”

Responsabil grant: **C. Hulubei** / Colectiv de lucru: **C. Hulubei**, L. Cianga, C. D. Vlad, S.Morariu

Etapa 2001: Grant MEC Contract nr. 5052/1999; Tema A₁₀; Act additional 1/2001; Valoare 22.500.000 lei
“Polimeri maleinimidici optic active”
Responsabil grant: **C. Hulubei** / Colectiv de lucru: **C. Hulubei**, L. Cianga, C.Vlad, S. Morariu

BREVETE acordate

Procedeu de sinteza a unor materiale poliimidice transparente si flexibile

C. Hulubei, D. Popovici, M. Bruma

Brevet nr. 131123 / 29.XI. **2017**

Policondensate alifactice continând fosfor incatenat si procedeu de obtinere a acestora

F. N. Popescu, O. Petreus, L. Rosescu, **C. Hulubei**

Brevet nr.108966 B1/30. IX., **1994**

Oligomeri ciclohexilfosfonici si procedeu de obtinere a acestora

F. N. Popescu, O. Petreus, L. Rosescu, **C. Hulubei**

Brevet nr. 108965/31.X, **1994**

Procedeu si instalatie de purificare a diaminodifenilmetanului

P. Botezatu, E. Butuc, D. Stoica, C.Teodorescu, A. Miron, A. Paduraru, **C. Hulubei**

Brevet nr.104327/15.XII, **1993**

Compozitie de policlorura de vinil ignifugata

F. N. Popescu, O.Petreus, L. Rosescu, **C. Hulubei**, E. Moldovan

Brevet nr.105818/30.XII, **1992**

Procedeu pentru obtinerea de emulsii ignifuge

F. N. Popescu, **C. Hulubei**, O. Petreus

Brevet RO104613/27.VI, **1991**

Procedeu de obtinere a unor compusi de aditie ai epiclорhidrinei
cu derivati clorurati ai fosforului

F. N. Popescu, T. Sandu, **C. Hulubei**, O. Petreus, L. Rosescu

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Stagii in strainatate

Institutul Fraunhofer Golm - Germania (01.09. 2000-1.05. 2001)

Alte activitati

Peste 100 conferinte, comunicari si postere prezentate la Simpozioane si Conferinte Nationale si Internationale