



ACADEMIA ROMÂNĂ
SCOSAAR

LISTA LUCRĂRILOR ȘTIINȚIFICE

Dr. Mariana-Dana Dămăceanu (născută Iosip)
Cercetător științific gradul II

a. Teza de doctorat:

Titlu: "Noi polimeri conținând cicluri 1,3,4-oxadiazolice pentru aplicații de înaltă performanță",

Conducător științific: Dr. Maria Brumă, CSI

Academia Română, Institutul de Chimie Macromoleculară „Petru Poni”, Iași

b. Cărți:

1. Polimeri aromatici fluorurați.

Editura FIDES, Iasi, ISBN 973-9384-69-2 (2003).

M. Bruma, **M. D. Iosip (Damaceanu)**

2. Polimeri si dispozitive electroluminescente.

Editura TEHNOPRESS Iasi, ISBN: 978-973-702-619-4 (2009).

M. Bruma, **M. D. Damaceanu**

c. Capitole de carte:

1. Aromatic polyimides containing 1,3,4-oxadiazole rings for high performance applications.

Unique properties of Polymers and Composites: Pure and Applied Science Today and

Tomorrow, eds. Y. N. Bubnov, V. A. Vasnev, A. A. Askadskii, G. E. Zaikov, Nova

Publishers, Hauppauge, New York, vol. 1, cap. 10 (2011).

M. D. Damaceanu, R. D. Rusu, M. Bruma, N. Belomoina

2. Membrane materials based on poly(ether-imide)s.

Trends in membranology , eds. S. I. Voicu, G. Nechifor, Printech, Bucuresti, ISBN: 978-606-521-525-2, p. 54-59 (2010).

M. D. Damaceanu, M. Bruma, I. Sava, E. Hamciuc, I. A. Ronova

d. Articole publicate în reviste de specialitate

| Nr. | Articol | FI 2015 |
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| 1. | Study of related poly(1,3,4-oxadiazole-amide)s containing silicon or hexafluoroisopropylidene groups in the main chain. <i>High Perform. Polym.</i> , 13 (3), 133-148 (2001) M. D. Iosip , M. Bruma, J. Robison, Y. Kaminorz, B. Schulz | 1.286 |
| 2. | Electroinsulating films from heterocyclic polyamides. <i>Rom. Rep. Phys.</i> , 53 (9-10), 669-674 (2001) I. Sava, M. D. Iosip , M. Bruma | Neindexat ISI |
| 3. | Compared properties of related aromatic poly(1,3,4-oxadiazole-amide)s. <i>Eur. Polym. J.</i> , 39 (10), 2011-2021 (2003) M. D. Iosip , M. Bruma, I. Ronova, M. Szesztay, P. Muller | 3.005 |
| 4. | Aromatic polyamides with pendent acetoxymethyl groups and thin films made therefrom. <i>Eur. Polym. J.</i> , 39 (4), 725-738 (2003) I. Sava, M. D. Iosip , M. Bruma, C. Hamciuc, J. Robison, L. Okrasa, T. Pakula | 3.005 |
| 5. | Compared properties of polyimides based on benzophenone-tetracarboxylic dianhydride. <i>Rev. Roum. Chim.</i> , 48 (8), 629-638 (2003) M. Bruma, E. Hamciuc, I. Sava, C. Hamciuc, M. D. Iosip , J. Robison | 0.311 |
| 6. | Poly(1,3,4-oxadiazole-ester-amide)s. <i>Rev. Roum. Chim.</i> , 49 (6), 515-523 (2004) I. Sava, M. D. Iosip , M. Bruma | 0.311 |
| 7. | New dithieno[3,2-b:2',3'-d]thiophene oligomers as promising materials for organic field-effect transistors applications. <i>Synthetic Met.</i> , 146, 251-257 (2004) M. D. Iosip , S. Destri, M. Pasini, W. Porzio, K. P. Pernstich, B. Batlogg | 2.252 |
| 8. | Organic FET devices: Structure-property relationship in evaporated films of three fluorenone derivatives. <i>Synthetic Met.</i> , 146, 259-263 (2004) W. Porzio, S. Destri, M. Pasini, U. Giovanella, T. Motta, M. D. Iosip , D. Natali, M. Sampietro, L. Franco, M. Campione | 2.252 |
| 9. | Study of fluorinated poly(1,3,4-oxadiazole-amide)s. <i>Rev. Roum. Chim.</i> , 50 (9-10), 815-830(2005) M. D. Damaceanu , M. Bruma | 0.311 |
| 10. | Sinteza si studiul proprietatilor termice ale unor noi polihidrazide si poli-1,3,4-oxadiazoli cu grupe acetiloxi-benzamidice in catena laterala. <i>Mater. Plast.</i> , 42 (2), 81-87 (2005) M. D. Damaceanu , I. Sava, M. Bruma | 0.824 |
| 11. | New organic semiconducting materials and field-effect transistors made from them. <i>Rom. J. Inf. Sci. Tech.</i> , 8 (3), 211-221 (2005) M. D. Damaceanu , M. Bruma | Neindexat ISI |

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| 13. | Synthesis and characterization of heterocyclic polyimides as high performance materials with potential applications in RF-MEMS devices processing. <i>Rom. J. Inf. Sci. Tech.</i> , 9 (4), 277-284 (2006) M. Bruma, I. Sava, E. Hamciuc, C. Hamciuc, M. D. Damaceanu | Neindexat ISI |
| 14. | Solid state properties of oligomers containing dithienothiophene or fluorine residues suitable for field effect transistor devices. <i>Thin Solid Films</i> , 515, 7318-7323 (2007) W. Porzio, S. Destri, U. Giovanella, M. Pasini, L. Marin, M. D. Iosip (Damaceanu) , M. Campione | 1.759 |
| 15. | New thermotropic oligomers designed for FET applications. <i>J. Optoelectron. Adv. M.</i> 9 (5), 1337-1341 (2007) S. Destri, W. Porzio, L. Marin, M. D. Damaceanu , M. Bruma | 0.429 |
| 16. | Polyimides containing 1,3,4-oxadiazole rings. <i>Collect. Czech. Chem. C.</i> , 73(12), 1631-1644, 2008 M. Bruma, M. D. Damaceanu | 0 |
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| 20. | New thermotropic liquid crystalline polyazomethines containing luminescent mesogens. <i>Soft Mater.</i> 7(1), 1-20 (2009) L. Marin, M. D. Damaceanu , D. Timpu | 1.244 |
| 21. | Solid state properties of mesomorphic copolymers containing oxadiazole and fluorene units. <i>Soft Mater.</i> 7(3), 164-184 (2009) M. D. Damaceanu , L. Marin, T. Manicke, M. Bruma | 1.244 |
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| 27. | New halogen-containing polyimides based on 1,3-bis(dicarboxyphenyl)-1,1,3,3-tetramethyldisiloxane dianhydride. <i>Polym. Sci. Ser. B+</i> , 52(3-4), 227–230 (2010) <i>Vysokomol. Soedin. Ser. B</i> , 52(4), 698-701 (2010) N. M. Belomoina, M. Bruma, M. D. Damaceanu , A. K. Mikitaev, R. M. Kummykov, A. L. Rusanov | 0.577 |
| 28. | Viscoelastic and dielectric behaviour of thin films made from siloxane-containing poly(oxadiazole-imide)s. <i>Eur. Polym. J.</i> , 46, 1049–1062 (2010) M.D. Damaceanu , V. E. Musteata, M. Cristea, M. Bruma | 3.005 |
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| 39. | Fluorescence behavior of semicrystalline functionalized maleic acid copolymers containing 1,3,4-oxadiazole side chains. <i>Polymer</i> , 53(23), 5258-5267 (2012) M. D. Damaceanu , M. Bruma, B. Schulz | 3.562 |
| 40. | KrF pulsed laser ablation of thin films made from fluorinated heterocyclic poly(naphthyl-imide)s. <i>Microsc. Microanal.</i> , 18(3), 545-557 (2012) M. D. Damaceanu , R. D. Rusu, M. A. Olaru, D. Timpu, M. Bruma | 1.877 |
| 41. | Copolyimides containing perylene and hexafluoroisopropylidene moieties. <i>High. Perform. Polym.</i> , 24(1), 50-57 (2012) M. D. Damaceanu , R. D. Rusu, M. Bruma | 1.286 |
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| 58. | An easily functionalizable oligo(oxyethylene)- and ester-substituted poly(3,4-propylenedioxythiophene) derivative exhibiting alkali metal ion response. <i>RSC Adv.</i> , 4(94) 52467-52475 (2014). M. D. Damaceanu , H. D. Gilsing, B. Schulz, A. Arvinte, M. Bruma | 3.840 |
| 59. | Photo-optical and electrochemical behavior of novel heterocyclic copoly(naphthylimide-amide)s. <i>J. Polym. Res.</i> , 21:530 (2014) C. P. Constantin, M. D. Damaceanu , M. Bruma, T. Köpnick | 1.920 |
| 60. | Advanced materials based on new structurally designed poly(naphthylimide-amide)s. <i>Polym. Int.</i> , 64(3), 361-372 (2015) C. P. Constantin, M. D. Damaceanu (autor coresp.), M. Bruma, M. Pinteala | 2.409 |
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| 63. | A new sensitizer containing dihexyloxy-substituted triphenylamine as donor and a binary conjugated spacer for dye-sensitized solar cells. <i>RSC Adv.</i> , 5(66) 53687-53699 (2015) M. D. Damaceanu , M. Mihaila, C. P. Constantin, S. Chisca, B. C. Serban, C. Diaconu, O. Buiu, E. M. Pavelescu, M. Kusko | 3.840 |
| 64. | Structure–property relationship in fluorene-based polymer films obtained by electropolymerization of 4,4'-(9-fluorenylidene)-dianiline <i>RSC Adv.</i> , 5(117), 97016- 97026 (2015). M. D. Damaceanu , L. Marin | 3.840 |

e. Lucrări publicate în extenso în volume de manifestări științifice

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| 1. | New aromatic polyamides containing pendent groups <i>Proceedings of 12th International Conference on Chemistry and Chemical Engineering</i> , Bucharest, 13-15 Sept 2001, p. 65-71 I. Sava, M. D. Iosip , M. Bruma |
| 2. | Comparative study of polyimides based on hexafluoroisopropylidene-diphthalic dianhydride <i>Proceedings of 6th International Technical Symposium on Polyimides and High Performance Functional Polymers (STEPI)</i> , Montpellier, Franta, p. 162-171 (2003) M. Bruma, E. Hamciuc, I. Sava, M. D. Iosip , J. Robison |
| 3. | Aromatic poly-1,3,4-oxadiazole-amides with pendent benzamide groups. <i>Proceeding of International Conference on Material Science and Engineering BRAMAT</i> , Brasov, p. 286-291 (2003) I. Sava, M. D. Iosip , M. Bruma |
| 4. | Membrane properties of fluorinated polyamides <i>Proceedings of International Symposium on Polymer Conetworks, Gels and Membranes</i> , Budapest, Sept. 11-13, 2005, p. 93-97 E. Hamciuc, M. Bruma, M. D. Damaceanu , D. Garganciuc |
| 5. | Synthesis and study of polyhydrazides and polyoxadiazoles with pendent groups <i>Proceedings of International Symposium on PolymerConetworks, Gels and Membranes</i> , Budapest, Sept. 11-13, 2005, p. 109-112 M. D. Damaceanu , I. Sava, M. Bruma |
| 6. | Field-effect transistors based on organic semiconducting materials (<i>indexat ISI</i>) <i>Proceedings of International Semiconductor Conference</i> , Sinaia, 3-5.10. 2005, p.467-470 M. D. Damaceanu , M. Bruma |
| 7. | Synthesis and characterization of new substituted polythiophenes <i>Proceedings of Polycondensation 2006 Symposium</i> , Istanbul-Turcia, August 2006, p. 78-80 M. D. Damaceanu , S. Destri, M. Bruma |
| 8. | New polyhydrazides and polyoxadiazoles containing side amide groups <i>Bilateral Symposium on Functional Polymers, 2nd ed.</i> , Potsdam, Oct. 2006, proceeding paper on CD (4 pagini) M. D. Damaceanu , I. Sava, M. Bruma |

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| 9. | Fluorinated polyamides for separation membranes <i>Bilateral Symposium on Functional Polymers, 2nd ed.</i> , Potsdam, Oct. 2006, proceeding paper on CD (4 pagini). M. D. Damaceanu , E. Hamciuc, M. Bruma, D. Garganciuc |
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| 14. | Poly(oxadiazole-imide)s with flexible linkages <i>Proceedings of 8th International Technical Symposium on Polyimides and High Performance Functional Polymers (STEPI)</i> , Montpellier, Franta, p. 69-78 (2008) M. Bruma, E. Hamciuc, I. Sava, M. D. Damaceanu |
| 15. | Polyimides with oxadiazole rings and thin films based on them (<i>indexat ISI</i>) <i>Proceedings of 31st International Semiconductor Conference</i> , Sinaia, vol. 2, p. 263-266 (2008) M. Bruma, M. D. Damaceanu , M. Cristea, C. Buiculescu |
| 16. | Aromatic polyimides for optoelectronic applications (<i>indexat ISI</i>) <i>Proceedings of 31st International Semiconductor Conference</i> , Sinaia, vol. 1, p. 125-128 (2008) R. D. Rusu, M. D. Damaceanu , M. Bruma, R. I. Tigoianu, A. Muller |
| 17. | Thin polyimide films for dielectric interlayer application (<i>indexat ISI</i>) <i>Proceedings of 32nd International Semiconductor Conference</i> , Sinaia, vol. 2, p. 351-354, (2009) M. D. Damaceanu , R. D. Rusu, M. Bruma, A. Muller |
| 18. | Aromatic Copolyimides Containing Perylene Units (<i>indexat ISI</i>) <i>Macromolecular Symposia</i> , 296, 399-406 (2010) <i>Proceedings of 12th European-Polymer-Federation Congress</i> , Graz, Austri, Jul. 12-17, 2009 R. D. Rusu, M. D. Damaceanu , M. Bruma |
| 19. | Synthesis and characterization of co(polyimide-oxadiazole)s containing six-membered naphthylimide rings <i>Proceedings of Polycondensation 2010 Conference</i> , Kerkrade, Olanda, p. 102-104 (2010) M. Bruma, M. D. Damaceanu , R. D. Rusu |
| 20. | Synthesis and characterization of new aromatic poly(1,3,4-oxadiazole-amide)s <i>Proceedings of Polycondensation 2010 Conference</i> , Kerkrade, Olanda, p. 153-155 (2010) R. D. Rusu, M. D. Damaceanu , M. Bruma |

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| 21. | Laser ablation of polyimide thin films (<i>indexat ISI</i>) <i>Proceedings of the 33rd International Semiconductor Conference</i> , Sinaia, vol. 1, p. 231-234 (2010) M. D. Damaceanu , R. D. Rusu, M. Olaru, M. Bruma |
| 22. | Dielectric properties of thin polyimide films (<i>indexat ISI</i>) <i>Proceedings of the 33rd International Semiconductor Conference</i> , Sinaia, vol. 2, p. 363-366 (2010) R. D. Rusu, M. D. Damaceanu , M. Bruma, A. Muller |
| 23. | Studies on the thermal, optical and electrochemical behaviour of polyperyleneimides <i>Proceedings of X^{ème} Colloque Franco Roumain sur les Polymères</i> , Douai, Franta, p. 57-60 (2011) M. D. Damaceanu , R. D. Rusu, M. Bruma |
| 24. | Thin films made from heterocyclic polynaphthylimides <i>Proceedings of X^{ème} Colloque Franco Roumain sur les Polymères</i> , Douai, Franta, p.69-72 (2011) R. D. Rusu, M. D. Damaceanu , M. Bruma |
| 25. | Synthesis and properties of new poly(oxadiazole-amide)s containing naphthalene moiety <i>Proceedings of X^{ème} Colloque Franco Roumain sur les Polymères</i> , Douai, Franta, p. 107-110 (2011) M. Bruma, M. D. Damaceanu , R. D. Rusu |
| 26.. | Blue light-emitting polynaphthaleneimides (<i>indexat ISI</i>) <i>Proceedings of the 34th International Semiconductor Conference</i> , Sinaia, vol. 1, p. 71-74 (2011) R. D. Rusu, M. D. Damaceanu , M. Bruma |
| 27. | Dielectric behaviour of polyperyleneimide films (<i>indexat ISI</i>) <i>Proceedings of the 34th International Semiconductor Conference</i> , Sinaia, vol. 2, p. 291-294 (2011) M. D. Damaceanu , R. D. Rusu, M. Bruma |
| 28. | Polyperyleneimide-based materials for optoelectronic devices (<i>indexat ISI</i>) <i>Proceedings of the 35th International Semiconductor Conference</i> , Sinaia, vol. 1, p.135-138 (2012) M. D. Damaceanu , C. P. Constantin, R. D. Rusu, M. Bruma |
| 29. | High performance perylenediimide-based copolymers and thin films made therefrom <i>Proceedings of the International Conference Nanomaterials: Applications and Properties, Crimea, Ukraine, Sept. 17-22, Vol. 1 No 1, 01NDLCN09(4pp) (2012)</i> M. D. Damaceanu , S. Chisca, C. P. Constantin, M. Bruma. |

f. Conferințe prezentate la manifestări științifice

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| 1. | Studiul comparativ al unor poliimide bazate pe dianhidrida benzofenontetracarboxilica <i>Zilele Academice Iesene</i> , Iasi, 3-6 Oct 2001, Program p. 8 E. Hamciuc, M. D. Iosip , C. Hamciuc, I. Sava, M. Bruma |
| 2. | Sinteza și caracterizarea unor poliimide bazate pe dianhidrida hexafluoroizopropilidenedifalica <i>Zilele Academice Iesene</i> , Iasi, 3-5 Oct 2002, Program p. 6 I. Sava, E. Hamciuc, M. D. Iosip , C. Hamciuc, M. Bruma |

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| 3. | Compusi organici conjugati cu proprietati semiconductoare: aplicatii in obtinerea de filme subtiri pentru tranzistori <i>Zilele Academice Iesene</i> , Iasi, Romania, 27-30 Sept. 2006, Program p.VIII, C8 M. D. Damaceanu , M. Bruma |
| 4. | Studiul comparativ al unor poliimide continand cicluri oxadiazolice <i>Zilele Academice Iesene</i> , 26-29 sept 2007, C11, Program p.VII M. Bruma, I. Sava, E. Hamciuc, M. D. Damaceanu , M. Cristea |
| 5. | Semiconductori organici cu mobilitate inalta <i>Zilele Universitatii "Al. I. Cuza" Iasi</i> , 24-25 Octombrie 2008, Program p.3, C2 M. D. Damaceanu |
| 6. | Dynamic mechanical analysis applied to the study of polyimides of various structure <i>Bilateral Symposium on Functional Polymers, 3rd ed.</i> , Iasi, Sept. 2008, Program p 2 M. Cristea, D. Ionita, M. D. Damaceanu , M. Bruma, B.C. Simionescu |
| 7. | Thin films based on thiophene derivatives for application in organic field-effect transistors <i>Bilateral Symposium on Functional Polymers, 3rd ed.</i> , Iasi, Sept. 2008, Program p 3 M. D. Damaceanu , M. Bruma |
| 8. | Liquid crystals for opto-electronic applications <i>Bilateral Symposium on Functional Polymers, 3rd ed.</i> , Iasi, Sept. 2008, Program p 3 L. Marin, S. Destri, M. D. Damaceanu , M. Bruma |
| 9. | Comparative study of aromatic polyamides containing oxadiazole and silicon in the main chain <i>8th European Technical Symposium on Polyimides & High Performance Functional Polymers (STEPI 8)</i> , Université Montpellier II, France, June 9-11, 2008, program p. 8, C17 M. D. Damaceanu , R. D. Rusu, M. Bruma |
| 10. | Polyimides containing siloxane groups in the main chain <i>8th European Technical Symposium on Polyimides & High Performance Functional Polymers (STEPI 8)</i> , Université Montpellier II, France, June 9-11, 2008, program p. 8, C13 M. Bruma, M. D. Damaceanu , A. L. Rusanov |
| 11. | Thin films of polyimides containing oxadiazole rings <i>11th European Conference On Organized Films</i> , July 9-11, 2008, program L34 M. Bruma, M. D. Damaceanu |
| 12. | Polymers containing oxadiazole rings for advanced materials (invited lecture) <i>3rd International Cristofor I. Simionescu Symposium, Iasi</i> , 8-9 iunie 2010 M. D. Damaceanu |
| 13. | Synthesis and characterization of new CaCO ₃ /polymer polymorphs <i>Training Course "Advances in biomaterials"</i> Scientific Station of Polish Academy of Sciences Vienna, Austria, March 12 -16, 2012, Program p. 2, Book of abstracts p.18 M. Mihai, F. Bucatariu., D. Damaceanu , S. Schwarz |
| 14. | Multifunctional materials based on maleic acid copolymers bearing oxadiazole rings <i>4th Bilateral Symposium on Functional Heterocyclic and Heterochain Polymers for Advanced Materials</i> , 2-7 Sept. 2012, Iasi, Program p. 6 M. D. Damaceanu , B. Schulz, M. Bruma |
| 15. | Polyoxadiazoles containing six-member imide rings <i>9th European Technical Symposium on Polyimides & High Performance Functional Polymers (STEPI 9)</i> , Montpellier, France, June 3-5, 2013, program p. 10, Book of abstract, II.C12 M. D. Damaceanu , M. Bruma |

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| 16. | Synthesis and study of fluorinated polyimides containing fused aromatic rings <i>9th European Technical Symposium on Polyimides & High Performance Functional Polymers (STEPI 9)</i> , Montpellier, France, June 3-5, 2013, program p. 8, Book of abstract, I.C7 C. P. Constantin, M. Bruma, M. D. Damaceanu , N. M. Belomoina |
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g. Comunicări prezentate la manifestări științifice

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| 1. | Polioxadiazol-amide continand fluor sau siliciu in lantul principal. <i>Zilele Academice Iesene</i> , Iasi, 5-7 Oct. 2000, Program p. 45 M. D. Iosip , M. Bruma, E. Hamciuc |
| 2. | New aromatic polyamides containing pendent groups <i>The 12th International Conference on Chemistry and Chemical Engineering</i> , Sectiunea 9, p. 2, Bucharest 13-15 Sept 2001 I. Sava, M. D. Iosip , M. Bruma |
| 3. | Poliamide heterociclice cu grupe benzamidice pendante. <i>Zilele Academice Iesene</i> , Iasi, 3-6 Oct. 2001, program p.7 I. Sava, M. D. Iosip , M. Bruma |
| 4. | Electroinsulating films from heterocyclic polyamides. <i>The 2-nd National Conference "New research trends in Material Science"</i> , Constanta, 24-26 Sept 2001, Program p. 39, Book of Abstracts, p. 83 I. Sava, M. D. Iosip , M. Bruma. |
| 5. | Aromatic poly-1,3,4-oxadiazole-amides with pendent benzamide groups <i>International Conference on Material Science and Engineering BRAMAT 2003</i> , Brasov, March 13-14, 2003, Program p. 24 I. Sava, M. D. Iosip , M. Bruma |
| 6. | Oligomers based on thiophenes and fluorenes for OFET fabrication. <i>RTN-Meeting EUROFET</i> , Varenna, Italy, September 29-30, 2003, program p. 2 M. D. Iosip |
| 7. | New dithieno[3,2-b:2',3'-d]thiophene oligomers as promising materials for organic field-effect transistors applications <i>European Materials Research Society (EMRS)-2004 Spring Meeting</i> , Strasbourg, France, May 24-28, 2004, Scientific Program E-VII.2 M. D. Iosip , S. Destri, M. Pasini |
| 8. | Sinteza si studiul unor noi oligomeri pa baza de fluoren pentru aplicatii in tranzistori organici cu efect de camp. <i>Zilele Academice Iesene</i> , Iasi, 30.09.-2.10.2004, progr. p.II, Co3 M. D. Damaceanu , M. Bruma |
| 9. | Filme subtiri pe baza de derivati de tiofen pentru tranzistori cu effect de camp Simpozionul " <i>Micro/Nano-interactii si sisteme pe baza de polimeri naturali si sintetici</i> ", Iasi, 4 Feb. 2005, Program CO12 M. D. Damaceanu , M. Bruma. |
| 10. | Sinteza unor noi polimeri cu unitati de tiofen <i>Simpozionul Zilele Academice Iesene</i> , Iasi, 6-8 Oct. 2005, Program p. IX, Co17 M. D. Damaceanu , M. Bruma |
| 11. | New Thermotropic Oligomers Designed for FET Applications. <i>ROCAM</i> , Sept. 2006, Bucuresti, Program p.1 S. Destri, W. Porzio, L. Marin, M. D. Damaceanu , M. Bruma |

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| 12. | Copolymers architectures containing donor and acceptor units for blue light-emitting diodes <i>8th International Conference on Physics of Advanced Materials</i> , June 4-7, 2008, Iasi, Romania, program p. 23, O-VI.6 M. D. Damaceanu , M. Bruma |
| 13. | Cristale lichide termotrope - tranzistori cu efect de camp. <i>Zilele Academice Iesene</i> , Iasi, 27-30 Sept. 2006, Program p.II, Co6 L. Marin, S. Destri, W. Porzio, U. Giovanella, A. Angiulli, M. D. Damaceanu , V. Cozan, M. Bruma |
| 14. | Thermotropic properties of a new type of liquid crystalline polyazomethines <i>6th International Symposium, Molecular Order and Mobility in Polymers Systems</i> , St. Petersburg, June 2-6, 2008, Book of Abstract p. O-044 D. Timpu, L. Marin, D. Damaceanu |
| 15. | Compusi cu molecula mica si polimeri cu proprietati semiconductoare pentru aplicatii in tranzistori <i>Simpozionul "Micro/Nano-interactii si sisteme pe baza de polimeri naturali si sintetici"</i> , Iasi, 26 sept. 2008, Program CO3 M. D. Damaceanu , M. Bruma. |
| 16. | Studiul proprietatilor termice ale unor poliimide modificate <i>Zilele Universitatii „Al. I. Cuza”</i> , Iasi (2008) R. D. Rusu, M. Bruma, M. D. Damaceanu |
| 17. | Viscoelastic properties of heterocyclic polyimides evidenced through dynamic mechanical analysis <i>International Symposium POLYCHAR 17</i> , Rouen, France, 20-24 April 2009, Program no. A07 M. Cristea, D. Ionita, D. Damaceanu , M. Bruma, B. C. Simionescu |
| 18. | Sinteza si caracterizarea unor copoliimide fotoluminescente continand unitati de perilen <i>Zilele Academice Iesene</i> , Iasi (2009), Program p. III, Co5 R. D. Rusu, M. D. Damaceanu , M. Bruma |
| 19. | Polyimides containing oxadiazole and ether groups <i>European Polymer Congress</i> , Graz-Austria, 2009, Program p. 11, OC3-18 M. Bruma, M. D. Damaceanu |
| 20. | Studiul proprietatilor optice, termice și morfologice ale unor copoliimide aromatice <i>Zilele Universitatii „Al. I. Cuza”</i> , Iasi (2009), Program p.1, PO3 R. D. Rusu, M. D. Damaceanu , M. Bruma |
| 21. | Sinteza și caracterizarea unor copolimeri heterociclici <i>Zilele Universitatii “Al. I. Cuza”</i> , Iasi, 30-31 Oct. 2009, Program PO2. M. D. Damaceanu , M. Bruma |
| 22. | Thin films made from heterocyclic polynaphthylimides <i>Frontiers in Macromolecular and Supramolecular Science</i> , Iași (2010), Program p.3 R. D. Rusu, M. D. Damaceanu , M. Bruma |
| 23. | Dielectric properties of thin polyimide films <i>33rd International Semiconductor Conference</i> , Sinaia (2010), Program p. XV, AM2.2 R. D. Rusu, M. D. Damaceanu , M. Bruma, A. Muller |
| 24. | Laser ablation of polyimide thin films <i>33rd International Semiconductor Conference</i> , Sinaia (2010), Program p. XI, MNT.1 M. D. Damaceanu , R. D. Rusu, M. Olaru, M. Bruma |
| 25. | Polyamides containing benzophenone chromophoric groups <i>Bioactive/biocompatible polymeric materials - Spring Training Course Program</i> ; Zabrze-Polonia, 7-11 martie 2011, Program p. 5, Abstracts p. 37 M. D. Damaceanu , R. D. Rusu, M. Bruma |

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| 26. | Organised films of polyimides containing perylene discotic mesogenes <i>10th International Conference on Colloids and Surface Chemistry</i> , Galati (2011), Progr. p. 5, 1 M. D. Damaceanu , R. D. Rusu, M. Bruma, L. Marin |
| 27. | Radical-forming polyamides for self-decontamination coatings <i>International Conference on Colloids and Surface Chemistry</i> , Galati (2011), Program p. 6, 3 M. D. Damaceanu , R. D. Rusu, M. Bruma |
| 28. | Solid state properties of fluorinated polyimides containing perylene and oxadiazole moieties <i>13th European Polymer Congress</i> , Granada, Spania (2011), Program p. 39, T4-OP37 M. D. Damaceanu , R. D. Rusu, M. Bruma |
| 29. | Studies on the thermal, optical and electrochemical behaviour of polyperyleneimides <i>X^{eme} Colloque Franco Roumain sur les Polymères</i> , Douai, Franta (2011), Program p. 4 M. D. Damaceanu , R. D. Rusu, M. Bruma |
| 30. | Synthesis and properties of new poly(oxadiazole-amide)s containing naphthalene moiety <i>X^{eme} Colloque Franco Roumain sur les Polymères</i> , Douai, Franta (2011), Program p. 6 M. Bruma, M. D. Damaceanu , R. D. Rusu |
| 31. | Thin films made from heterocyclic polynaphthylimides <i>X^{eme} Colloque Franco Roumain sur les Polymères</i> , Douai, Franța (2011), Program p. 5; R. D. Rusu, M. D. Damaceanu , M. Bruma |
| 32. | Photo-optical and electrochemical behavior of polyimides containing perylene and oxadiazole chromophores <i>Polymers for Advanced Technologies International Conference</i> , Lodz, Polonia (2011), Program p. 52, L-57 M. D. Damaceanu , R. D. Rusu, M. Bruma |
| 33. | Dielectric behaviour of polyperyleneimide films <i>34th International Semiconductor Conference</i> , Sinaia (2011), Program p. XIV, AM.4 M. D. Damaceanu , R. D. Rusu, M. Bruma |
| 34. | Suprafete nanostructurate de poliimide pentru aplicatii in crestere celulara Scoala de vara " <i>Tendinte in sinteza si caracterizarea materialelor avansate pentru aplicatii in biologie si medicina</i> ", 25-30 iulie 2011, Timisoara, Program p. 3 M. D. Damaceanu , M. Olaru, M. Bruma |
| 35. | Copolymer architectures containing perylenediimide and oxadiazole donor and fluorene acceptor units for optoelectronic applications <i>7th International conference on advanced materials, ROCAM 2012</i> , Brasov (2012), Progr. p. 9 M. D. Damaceanu , S. Chisca, R. D. Rusu, M. Bruma |
| 36. | New oxadiazole - functionalized n-vinylpyrrolidone - maleic anhydride copolymer applied in biomimetic crystallization of CaCO ₃ microparticles <i>7th International conference on advanced materials, ROCAM 2012</i> , Brasov, Program p.7 M. D. Damaceanu , M. Mihai, M. Bruma, S. Schwarz |
| 37. | High performance perylenediimide-based copolymers and thin films made therefrom <i>2-nd International conference nanomaterials: applications & properties - NAP 2012</i> , Alushta, the Crimea, Ukraine, Sept. 17-22, 2012, Program O7.8, p. 27 M. D. Damaceanu , S. Chisca, C. P. Constantin, M. Bruma |
| 38. | Polyperyleneimide-based materials for optoelectronic devices <i>35th International Semiconductor Conference</i> , Sinaia (2012), Program p. IX, O.4 M. D. Damaceanu , C. P. Constantin, R. D. Rusu, M. Bruma |

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| 39. | Sinteza si studiul proprietatilor unor noi copoliimide continand diferiti cromofori <i>Conferinta Nationala de Chimie, Calimanesti-Caciulata (2012), Program p. 23, C.S.III.-14</i> M. D. Damaceanu, S. Chisca, R. D. Rusu, M. Bruma |
| 40. | Poliimide fluorurate cu cicluri aromatice condensate <i>Conferinta Nationala de Chimie, Calimanesti-Caciulata, Oct. 2012, Progr. C.S.III.-13, p.23</i> C. P. Constantin, M. Bruma, M. D. Damaceanu, N. M. Belomoina |
| 41. | Synthesis and physical properties of maleic copolymers containing pendant oxadiazole units <i>Meeting of the International Advisory Board STREAM: STREAM Symposium, 28-30 Nov. 2012, Iasi, Romania</i> D. Damaceanu |
| 42. | Modulation of light emission from polyperyleneimides containing oxadiazole and siloxane moieties <i>European Polymer Congress (EPF) 2013, Pisa-Italy, June 16-21, 2013, Program p. 26, O7-23</i> M. D. Damaceanu, C. P. Constantin, M. Bruma |
| 43. | Poli(naftil-amide): sinteza si proprietati <i>Zilele Academice Iesene, Iasi (2013), Program p.5, Co17</i> C. P. Constantin, M. D. Damaceanu, M. Bruma |
| 44. | Polimeri continand cicluri condensate perilenimidice pentru aplicatii optoelectronice <i>Workshop "Materiale pe baza de polimeri aromatici cu cicluri condensate pentru aplicatii in nanotehnologii electronice si optoelectronice", Iasi, 27 Iunie 2013</i> M. D. Damaceanu |
| 45. | Electroactive Fluorene-Based Polymer Films Obtained By Electropolymerization <i>17th International Conference on Materials Science, Applied Physics and Chemistry (ICMSAPC 2015), London, June 2015, Program p. 6.</i> M. D. Damaceanu |

h. Granturi/proiecte câștigate prin competiție

- ca director de proiect

1. Tema: "Sinteza si studiul unor materiale polimere cu proprietati speciale (electroizolante, semiconductoare, lichid cristaline) pentru aplicatii in nanotehnologii electronice si optoelectronice"

Program CEEEX - ET, contract nr. 5914/18.09.2006

Perioada: 2006-2008

Valoare: 140 000 RON

M. D. Damaceanu (resp.), L. Marin, T. Vlad-Bubulac

2. Tema "Materiale pe baza de polimeri aromatici cu cicluri condensate pentru aplicatii in nanotehnologii electronice si optoelectronice"

Proiect PN-II RU, cod TE_221, contract no. 31/ 10.08.2010

Perioada: 2010-2013

Valoare: 578 312 RON

M. D. Damaceanu (resp.), I.Cosutchi, R. D. Rusu, S. Chisca, C.P. Constantin

3. Tema: "Sinteza unor cromofori pe baza de trifenilamina, fenotiazina sau fenoxazina pentru celule fotovoltaice"

Contract Cadru de Prestări Servicii nr. 840/4.03.2013 incheiat între Institutul de Chimie Macromoleculara "Petru Poni" Iasi și S.C. HONEYWELL ROMÂNIA S.R.L

Perioada: 2013

Valoarea: 45 000 RON (net); 55 800 RON (cu TVA)

M. D. Damaceanu (resp.), L. Marin, C. P. Constantin, S. Chisca

- ca membru în echipă

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| 1. | Tema: "Poliimide ușor prelucrabile pentru aplicații în tehnologii avansate (microelectronica, optoelectronica, telecomunicații, stocarea datelor)" Programul Național de Cercetare Dezvoltare ORIZONT-2000, Contract nr.494/1.06.2000 Perioada: 2000-2002; Valoare: 15 000 RON M. Bruma (resp.), I. Sava, E. Hamciuc, M. D. Iosip , G. Tirdea. |
| 2. | Tema: "Poliamide aromatice cu grupe laterale pentru utilizare ca materiale avansate" Grant Academiei, Contract nr. 6182 GR/25.10.2000 Perioada: 2000; Valoare: 3 300 RON I. Sava (resp.), M. Bruma, C. Hamciuc, M. D. Iosip , G. Tirdea |
| 3. | Tema: "Membrane compozite pe baza de polimeri modificați chimic" Contract nr. 2519/20. 06. 2000, încheiat cu Centrul de Cercetări Materiale Macromoleculare și Membrane S. A. – București. Perioada: 2000; Valoare: 700 RON M. Bruma (resp.), I. Sava, E. Hamciuc, M. D. Iosip , G. Tirdea. |
| 4. | Tema: "Sinteza polimerilor heterociclici cu structuri de polioxadiazoli, poliimide și poliamide pentru membrane" Contract nr. 32/12.10.2001 06, încheiat cu Centrul de Cercetări Materiale Macromoleculare și Membrane S. A. – București. Perioada: 2001-2003; Valoare: 9 000 RON M. Bruma (resp.), E. Hamciuc, I. Sava, C. Hamciuc, M. D. Iosip |
| 5. | Tema: "Tehnologii de realizare a microsistemelor pentru comunicații bazate pe compuși $A_{III}B_V$ și noi materiale poliimidice; rasini poliimidice compatibile utilizării în microelectronica" Program MATNANTECH, Contract Nr. 81b/21.X.2001. Perioada: 2001-2004; Valoarea: 19 130 RON M. Bruma (resp.), E. Hamciuc, I. Sava, C. Hamciuc, M. D. Iosip |
| 6. | Tema "Filtre reconfigurabile pe siliciu pentru aplicații în unde milimetrice -Poliimide pentru electronica avansată" Program MATNANTECH, Contract Nr. 244 (407)-1/14.X.2004 Perioada: 2004-2006; Valoarea: 22 000 RON M. Bruma (resp.), I. Sava, E. Hamciuc, M. D. Damaceanu , R. Lungu |
| 7. | Tema: "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". Contract nr. 29/CEEX/10.X.2005 cu IMT București Perioada: 2005-2008; Valoarea: 100 000 RON M. Bruma (resp.), I. Sava, E. Hamciuc, C. Hamciuc, M. D. Damaceanu |
| 8. | Tema "Polimeri heterociclici prelucrabili la scară nanometrică, pentru aplicații în tehnologii avansate" Program CNCSIS, Contract nr. 27682/14.03.2005. Perioada: 2005-2007; Valoarea: 49 600 RON C. Hamciuc (resp.), M. Bruma, O. Petreus, E. Hamciuc, I. Sava, M. D. Damaceanu , T. Vlad-Bubulac, R. Lungu. |

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| 9. | Tema: "Sisteme azopolimerice nanostructurate cu aplicatii in microelectronica si biologie" Program CEEEX, contract nr. 107/CEEEX/2006 Perioada: 2006-2008; Valoare: 390 000 RON L. Sacarescu (resp.), R. Ardeleanu, G. Sacarescu, M. Simionescu, M. Bercea, I. Sava, M. D. Damaceanu , S. Alazaroaie, M. Cristea, N. Fifere |
| 10. | Tema: "Materiale polimerice de tip imidic, maleimidic si siloxanic pentru utilizare in sisteme nanoelectromecanice" Program CEEEX, subcontract nr. 2038/19.09.2006 cu ICPE-Bucuresti Perioada: 2006-2008; Valoarea: 350 000 RON E. Hamciuc (resp.), M. Bruma, C. Hamciuc, I. Sava, M. Cazacu, C. Racles, C. Hulubei, M. D. Damaceanu , A.M. Ipate |
| 11. | Tema: "Circuite avansate pentru microunde, unde milimetrice si fotonice utilizand tehnologii MEMS. Poliimide pentru filme protectoare in circuite microprelucrate" Program PNCD 2, subcontract 11-008/18.09.2007 cu IMT Bucuresti Perioada: 2007-2010; Valoare: 76 229 RON M. Bruma (resp.), I. Sava, E. Hamciuc, M. D. Damaceanu , I. Bacosca, R. D. Rusu |
| 12. | Tema: "Nanotehnologia in Romania: studiu prospectiv" (NANOPROSPECT) Program Capacitati, Contract. nr. 210.P3/01.11.2010 Perioada: 2010-2011 (7 luni); Valoare: 22 000 lei B. C. Simionescu (resp.), L. Marin, M.D. Damaceanu , D. Tampu, C. Ibanescu, E. Perju |
| 13. | Fondul Social European - <i>Program de burse postdoctorale</i> "Cristofor I. Simionescu" POSDRU/89/1.5/S/55216 Perioada: 2010-2013; Valoare: 19 486 466 RON B. C. Simionescu (resp.) |
| 14 | Tema: "Diode electroluminiscente organice flexibile cu emisie in alb pentru iluminare" Program, Parteneriate in domenii prioritare, PN-II-PT-PCCA-2013-4-1861contract nr. 272/2014 Perioada: 2014-2016; Valoare: 1.437.500,00 lei L. Marin (resp.), M. D. Damaceanu, M. Olaru, M. Aflori, D. Popovici si altii |

i. Indicele Hirsh = 16 (cumulat Damaceanu MD* or Iosip MD* conform ISI Web of knowledge)

Dr. Mariana-Dana DĂMĂCEANU

