ACADEMIA ROMÂNĂ
SCOSAAR

Anexa nr. 2

FIŞA DE ÎNDEPLINIRE A STANDARDELOR MINIMALE
conform CNATDCU

Candidat: **Luminita MARIN**

FIŞA DE VERIFICARE
a îndeplinirii standardelor minimale

Conditii minimale		Punctaj obtinut de candidat
	Profesor universitar / Abilitare	
Activitate didactică / profesională (A1)	9 puncte	15
Activitate de cercetare (A2)	41 puncte	50+8+30 = 88
Recunoasterea impactului activităţii (A3)	50 puncte	158.5
Total	100 puncte	261.5

Anexa 4, Comisia Chimie din O.M. 6560/2012

Nr. crt.	Domeniul activităţilor	Tipul activităţilor		Categorii şi restricţii	Subcategorii		Indicatori (kpi)	**Realizat de candidat**	**Punctaj realizat**
0	1	2		3	4		5	6	7
1	Activitatea didactică şi profesională (A1)	1.1	Cărţi sau capitole de carte	Profesor minim 3; Conferenţiar minim 1	1.1.1. Profesor minim 1 prim autor		3	**1** carte **4** capitole de carte Prim autor pentru **1** carte si **1** capitol de carte	**15**
2	Activitatea de cercetare (A2)	2.1	Articole în reviste cotate ISI Thomson Reuters	Minim 35 articole pentru Profesor/ CS I dintre care 23 în reviste internaţionale	*) Factorul de impact cumulat al articolelor publicate, minim 40 şi autor principal/ corespondent pe minim 10 articole		1	**50** de articole in baza de date ISI Thomson Reuters Factorul de impact cumulat al articolelor publicate: **104.06** Autor principal/corespondent pe **37** articole	**50**
				Minim 18 articole pentru Conferenţiar/ CS II din care 12 în reviste internaţionale	Factorul de impact cumulat al articolelor publicate, minim 18				
			Brevete de invenţie şi inovaţie	Brevete**) ***)	2.3.1	**) internaţionale	10		
					2.3.2	***) naţionale	1		
		2.2	Granturi/ proiecte câştigate prin competiţie	2.3.1 Director/ responsabil pentru Profesor/ CS I; Minim 1	2.4.1.1	naţionale	4	Director/responsabil a **2** proiecte castigate prin competitie	**8**
				2.3.2 Membru în echipa - pentru Profesor/ CS I Minim 1; pentru Conferenţiar/CS II - Minim 1	2.4.2.1	naţionale	2	Membru in **15** proiecte castigate prin competitie	**30**
3	Recunoaşterea şi impactul activităţii (A3)	3.1	Citări în reviste ISI şi BDI	Minim 100 citări pentru Profesor/ CS I; Minim 30 citări pentru Conferenţiar/CS II	3.1.1	ISI	0,5	**317** citari (fara autocitari) conform ISI Thomson Reuters	**158.5**
					3.1.2	BDI	0,5	-	

Activitate didactică si profesională (A1)

Carti:

L. Marin "Sinteza si studiul unor compusi cu proprietati de cristal lichid", editura Tehnopress Iași, ISBN 978-973-702-599-9 (**2008**)

Capitole de carte:

1. D. Pavel, **L. Marin**, V. Cozan, M. L. Craus, "New Poly(Azomethine-Ether-Sulfone)s. Modification by Random Copolymerization" in *Advanced Research in Polymer Science*, , Firas Awaja (ed.), Transworld Research Network, Kerala, India, ISBN 81-7895-223-8 (**2006**)
2. V. Cozan, **L. Marin** "Thermotropic Liquid Crystalline Polyazomethines" in *Advances in Functional Heterochain Polymers*, M. Cazacu (ed.), Nova Publishers Inc.New York ISBN 978-1-60456-599-7 (**2008**)
3. **L. Marin**, V. Cozan, E. Perju, "Thermotropic Liquid Crystalline Poly(azomethine-ether-sulfone)s. Synthesis and Properties", in *Functional Polymeric Materials Designed for Hi-Tech Applications*, M. Nechifor (ed.) Transworld Research Network, Kerala, India**,** ISBN 978-81-7895-448-6 (**2010**)
4. V. Cozan, M. Ciobanu, **L. Marin,** "Aromatic Copoly(Ether Sulfone)s" in *Functional Polymeric Materials Designed for Hi-Tech Applications*, M. Nechifor (ed.) Transworld Research Network, Kerala, India ISBN: 978-81-7895-448-6 (**2010**)

Activitate de cercetare (A2)

2.1. Articole in reviste cotate ISI Thomson Reuters

	Articol	Factor de impact
1.	V. Cozan, E. Avram, **L. Marin**, C. Racles, "Calculation of group contribution of molar glass transition function (Yg) for 2-chloromethylene-1,4-phenylene units – application to chemical modification reaction of polysulfones", *European Polymer Journal* 39 (2), 397-400 (**2003**) – short communication	3,00
2.	V. Cozan, M. Sava, **L. Marin**, M. Brumă, "Synthesis and characterization of novel arylidene and cardo ester bismaleimides and poly(aminoaspartimide)s therefrom", *High Performance Polymers* 15 (3), 301-318, (**2003**)	1,15
3.	**L. Marin**, M. Brumă, „Aplicaţii ale polimerilor cu proprietăţi de cristale lichide termotrope", *Materiale Plastice*, 41(4), 240 – 244 (**2004**)	0,82
4.	**L. Marin**, V. Cozan, "Cristale lichide polimere. Terminologie si concepte", *Materiale Plastice* 42(1), 28-34 (**2005**)	0,82
5.	**L. Marin**, V. Cozan, "Synthesis of new aromatic aldehydes useful for the	0,82

	preparation of azomethine mesogens", *Materiale Plastice* 42(2), 143-145 (**2005**)	
6.	**L. Marin**, V. Cozan, M. Bruma, "Synthesis and study of new symmetric azomethine trimers containing biphenyl units", *Revue Roumaine de Chimie* 50(7-8), 649-653 (**2005**)	0,31
7.	V. Cozan, **L. Marin**, M. Bruma, "Preparation and study of new phenolic azomethine compounds", *Revue Roumaine de Chimie* 50(7-8), 641-648 (**2005**)	0,31
8.	**L. Marin**, V. Cozan, M. Bruma, „Cristale lichide polimere cu mezogen in catena principala. Corelatii structura - proprietati", *Materiale Plastice* 42 (3), 239-244 (**2005**)	0,82
9.	**L. Marin**, V. Cozan, M. Bruma, V. C. Grigoras, "Synthesis and thermal behavior of new poly(azomethine-ether)", *European Polymer Journal* 42(5), 1173-1182 (**2006**)	3,00
10.	**L. Marin**, V. Cozan, M. Bruma, "Comparative study of new thermotropic polyazomethines", *Polymers for Advanced Technologies* 17(9-10), 664-672 (**2006**)	1,75
11.	**L. Marin,** "Polimeri cristale lichide termotrope. Controlul stabilitatii termice", *Materiale Plastice* 43(2), 100-105 (**2006**)	0,82
12.	**L. Marin**, V. Cozan, "New Thermotropic Azomethines Containing Sulfonyl Group", *Revue Roumaine de Chimie* 51(7-8), 675-681 (**2006**)	0,31
13.	**L. Marin**, S. Ciocilteu, "Cristale lichide termotrope. Tipuri de mezogeni", *Mater. Plast. (Bucharest),* 43(4), 288-291 (**2006**)	0,82
14.	S. Destri, W. Porzio, **L. Marin***, M. D. Damaceanu, M. Bruma, "New thermotropic oligomers designed for FET applications", *Journal of Optoelectronics and Advanced Materials* 9 (5), 1337-1341 (**2007**)	0,42
15.	G. H. Rusu, A. Airinei, M. Rusu, P. Prepeliță, **L. Marin**, V. Cozan, I. I. Rusu, „On the electronic transport mechanism in thin films of some new poly(azomethine sulfone)s", *Acta Materialia*, 55(2), 433-442 (**2007**)	4,46
16.	W. Porzio, S. Destri, M. Pasini, U. Giovanella, **L. Marin**, M.D. Damaceanu, M. Campione, "Solid state properties of oligomers containing dithienothiophene or fluorene residues suitable for FET devices", *Thin Solid Films* 515, 7318-7323 (**2007)**	1,75
17.	**L. Marin**, E. Perju, "New polymer – dispersed liquid crystals. Preparation and thermal characterization" *Metalurgia International,* special issue: *Exploring Romanian resources in Materials Research*, vol. XIII (**2008**)	0
18.	**L. Marin,** M. D. Damaceanu, D. Timpu, "New thermotropc liquid crystalline polyazomethines containing luminescent mesogens", *Soft Materials*, 7(1), 1-20 (**2009**)	1,24
19.	**L. Marin**, S. Destri, W. Porzio, F. Bertini, "Synthesis and characterization of new azomethine derivatives exhibiting liquid crystalline properties", *Liquid Crystals*, 36(1), 21-32 (**2009**)	2,48
20.	M.D. Damaceanu, **L. Marin**, T. Manicke, M. Bruma "Solid-state properties of mesomorphic copolymers containing oxadiazole and fluorene units" *Soft Materials*, 7(3), 164-184 (**2009**)	1,24
21.	**L. Marin**, E. Perju, "Polysulfone as polymer matrix for a novel polymer-dispersed liquid crystals system", *Phase Transitions*, 82(7), 507-518, (**2009**)	0,95
22.	M. Ciobanu, **L. Marin**, V. Cozan, M. Bruma, "Aromatic polysulfones used in sensor in sensor applications", *Reviews on Advanced Materials Science* 22, 89-96	1,16

	(**2009**)	
23.	R.D. Rusu, M.D. Damaceanu, **L. Marin**, M. Bruma, "Copoly(peryleneimide)s Containing 1,3,4-Oxadiazole Rings: Synthesis and Properties", *Journal of Polymer Science: Part A: Polymer Chemistry*, 48, 4230-4242 (**2010**)	3,11
24.	**L. Marin**, E. Perju, "Optical response of cyanoazomethine liquid crystal droplets in PDLC films based on a polysulfone matrix", *Journal of Optoelectronics and Advanced Materials* 12, 1378-1384 (**2010**)	0,42
25.	**L. Marin**, D. Timpu, V. Cozan, G. I. Rusu, A. Airinei, "Solid State Properties of Thin Films of New Copoly(azomethine-sulfone)s", *Journal of Applied Polymer Science* 120, 1720-1728 (**2011**)	1,76
26.	**L. Marin**, A. Zabulica, M. Sava, "New symmetric azomethinic dimer: the influence of structural heterogeneity on the liquid crystalline behavior", *Liquid Crystals* 38(4), 433-440 (**2011**)	2,48
27.	E. Perju, **L. Marin**, V. C. Grigoras, M. Bruma, "Thermotropic and optical behaviour of new PDLC systems based on a polysulfone matrix and a cyanoazomethine liquid crystal", *Liquid Crystals* 38(7), 893-905 (**2011**)	2,48
28.	**L. Marin**, E. Perju, M. D. Damaceanu, "Designing thermotropic liquid crystalline polyazomethines based on fluorene and/or oxadiazole chromophores", *European Polymer Journal* 47, 1284-1299 (**2011**)	3,00
29.	M. Rusu, A. Airinei, G. G. Rusu, **L. Marin**, V. Cozan, P. Rambu, I. Caplanus, G. I. Rusu, "On the Electrical and Optical Properties of Some Poly(Azomethine Sulfone)s in Thin Films", *Journal of Macromolecular Science Part B-Physics* 50(7), 1285-1297 (**2011**)	0,74
30.	**L. Marin**, B. Simionescu, M. Barboiu, "Imino-chitosan biodynamers", *Chemical Communications*, **48**, 8778-8780 (**2012**)	6,83
31.	**L. Marin**, A. Arvinte, "Mesomorphic Compounds Containing Chromophoric Mesogens for Opto-Electronic Applications", *Materiale Plastice* 50(1), 23-27 (**2013**)	0,82
32.	**L. Marin**, V. Harabagiu, A. van der Lee, A. Arvinte, M. Barboiu, "Structure-directed functional properties of symmetrical and unsymmetrical Br-substituted Schiff-bases", *Journal of Molecular Structure* 1049, 377-385 (**2013**)	1.6
33.	**L. Marin**, I. Stoica, M. Mares, V. Dinu, B. C. Simionescu, M. Barboiu, "Antifungal vanillin–imino-chitosan biodynameric films", *Journal of Materials Chemistry B* 27, 3353-3358 **(2013)**	4,72
34.	**L. Marin**, A. Zabulica, M. Sava, "Symmetric Liquid Crystal Dimers Containing a Luminescent Mesogen: Synthesis, Mesomorphic Behavior, and Optical Properties", *Soft Materials* 11(1), 32-39 (**2013**)	1,24
35.	A. Zabulica, M. Balan, D. Belei, M. Sava, B. C. Simionescu, **L Marin***, "Novel luminescent phenothiazine-based Schiff bases with tuned morphology. Synthesis, structure, photophysical and thermotropic characterization", *Dyes and Pigments* 96, 686-698 (**2013**)	3,96
36.	**L. Marin***, M.C. Popescu, A. Zabulica, H. Uji-I, E. Fron, **"**Chitosan as matrix for bio-polymer dispersed liquid crystal systems**"**, *Carbohydrate Polymers* 95, 16-24 (**2013**)	4,07
37.	A. Zabulica, E. Perju, M. Bruma, **L. Marin***, "Novel luminescent liquid crystalline polyazomethines. Synthesis and study of thermotropic and photoluminescent properties", *Liquid Crystals* 4, 252-262 (**2014**)	2,48

38.	M. Barboiu, A. Meffre, Y.M. Legrand, E. Petit, **L. Marin**, M. Pinteala, A.V.D. Lee, "Frustrated ion-pair binding by heteroditopic macrocyclic receptors", *Supramolecular Chemistry* 26, 223-228 (**2014**)	2,39
39.	**L. Marin**, S. Moraru, M.C. Popescu, A. Nicolescu, C. Zgardan, B. C. Simionescu,M. Barboiu, „Out-of-Water Constitutional Self-Organization of Chitosan–Cinnamaldehyde Dynagels", *Chemistry – A European Journal* 20, 4814-4821 (**2014**)	5,73
40.	**L. Marin**, D. Ailincai, E. Paslaru, „Monodisperse PDLC composites generated by use of polyvinyl alcohol boric acid as matrix", *RSC Advances* 4, 38397-38404 (**2014**)	3,84
41.	**L. Marin***, A. Zabulica, I.A. Moleavin, "Luminescent guest–host composite films based on an azomethine dye in different matrix polymers", *Optical Materials* 38, 290-296 (**2014**)	1,98
42.	**L. Marin***, D. Ailincai, M. Mares, E. Paslaru, M. Cristea, V. Nica, B. C. Simionescu, "Imino-chitosan biopolymeric films. Obtaining, self-assembling, surface and antimicrobial properties", *Carbohydrate Polymers* 117, 762-770 (**2015**)	4,08
43.	E. Perju, E. Paslaru, **L. Marin***, Polymer dispersed liquid crystal composites for bio-applications. Thermotropic, surface and optical properties", *Liquid Crystals*, 42, 370-382 (**2015**)	2,48
44.	D. Belei, C. Dumea, E. Bicu, **L. Marin***, "Phenothiazine and pyridine-*N*-oxide based AIE-active triazoles: synthesis, morphology and photophysical properties", *RSCAdvances*, 5, 8849-8858 (**2015**)	3,7
45.	Elena Perju, Lidia Ghimpu, Gabriela Hitruc, Valeria Harabagiu, Maria Bruma, **Luminita Marin***, Organic-inorganic hybrid nanomaterials based on inorganic oxides and a mesomorphic polyazomethine, *High Performance Polymers*, 27, 546-554 (**2015**)	1,15
46.	**Luminita Marin***, Arie van der Lee, Sergiu Shova, Adina Arvinte, Mihail Barboiu, Molecular amorphous glasses toward large azomethine crystals with aggregation-induced emission, *New Journal of Chemistry*, 39, 6404-6420 (**2015**)	3,08
47.	M.-D. Damaceanu, **L. Marin**, „Structure-property relationship in fluorene-based polymer films obtained by electropolymerization of 4,4 '-(9-fluorenylidene)-dianiline", *RSC Advances*, 5, 97016-97026 (**2015**)	3,7
48.	E. Perju, V. Cozan, **L. Marin***, M. Bruma, Semiflexible thermotropic polyazomethines based on o-dianisidine mesogenic core, *Liquid Crystals* 42, 1309-1319 (**2015**)	2,48
49.	G. Tantaru, **L. Marin**, M. Vieriu, A. D. Panainte, A. Poiata, M. Apostu, Mihai, N. Bibire, The Influence of Structure on Antibacterial Activity of Some New Aniline Derived Schiff Bases, *Revista de Chimie*, 66, 1965-1967 (**2015**)	0,81
50.	**L. Marin**, D. Ailincai, M. Cahn, D. Stan, C. A. Constantinescu, L. Ursu, F. Doroftei, M. Pinteala, B.C. Simionescu, M. Barboiu, Dynameric Frameworks for DNA Transfection, *ACS Biomaterials-Science & Engineering*, 2, 104-111 (**2016**)	-

2.2. Granturi/proiecte câştigate prin competitie

- ca director de proiect

1. PN-II-PT-PCCA-2013-4-1861, contract 272/2014, "*Diode electroluminiscente organice flexibile cu emisie in alb pentru iluminare » (FlexWOL)*, coordonator proiect Dr. **Luminita Marin**, 1.250.000 RON, **2014-2016**
2. PN-II-RU-TE-2014-4-2314, contract 71/2015, "*Hidrogeluri dinamice multifunctionale cu morfologie controlata pentru aplicatii biomedicale*" (*DINAGELS*), coordonator proiect Dr. **Luminita Marin**, 550.000 RON, **2015-2017**

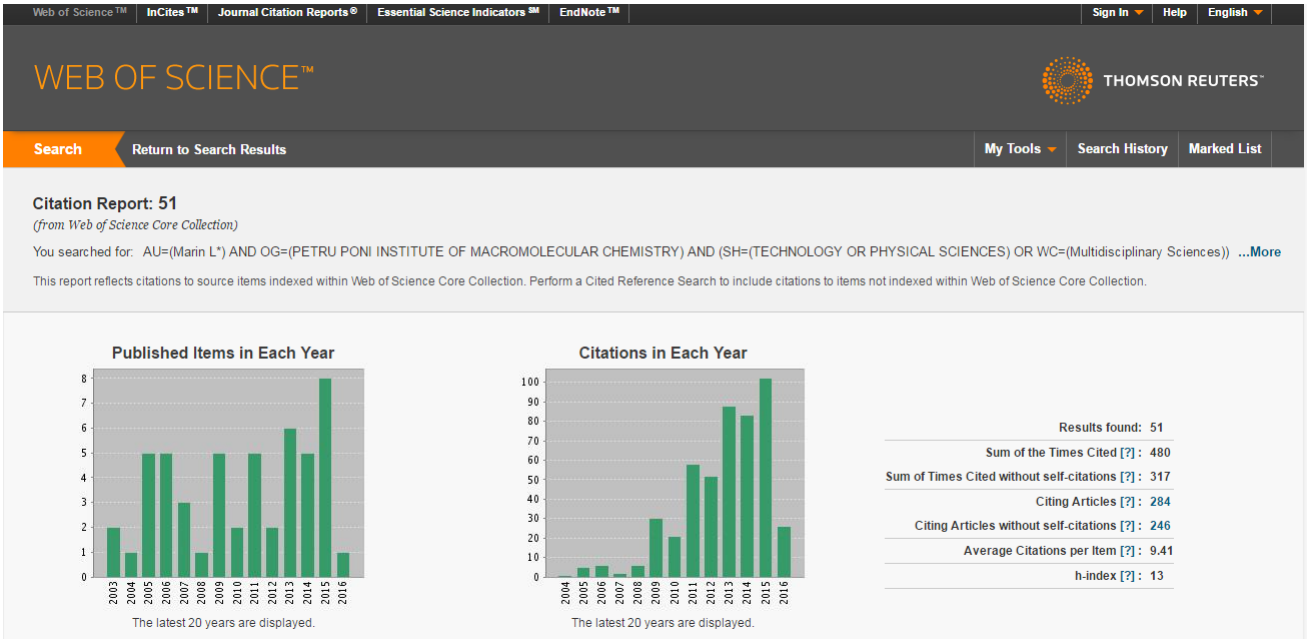
- ca membru in echipa

1. REGPOT-2010-1 „*Strengthening the Romanian research capacity in Multifunctional Polymeric Materials*" coordonator Dr. Valeria Harabagiu, membru in echipa de implementare **L. Marin**, 2,8 milioane euro, **2011-2013**
2. PN-II-CT-RO-MD-2012-1-687 (proiect bilateral Romano-Moldovenesc) "*Materiale nanocompozite alcatuite din straturi interpenetrate de simiconductori si polimeri pentru fabricarea senzorilor si diodelor luminescente*", coordonator Dr. Valeria Harabagiu, membru in echipa: **L. Marin**, 33 600 RON, **2013-2014**
3. Horizon 2020 WIDESPREAD 2-2014: ERA Chairs, Project no 667387 **"***Laboratory of Supramolecular Chemistry for Adaptive Delivery Systems ERA Chair initiative***"**, coordonator Dr. Mariana Pinteala, lider al grupului de lucru „Dynameric networks and gels for delivery, cell recognition and cell growing", **2016- 2011**
4. PN-II-ID-PCCE-2011-2-0028, contract nr. 4/2012: "*Sisteme de inspiraţie biologica pentru entităţi proiectate structural şi funcţional*", coordonator Dr. Mariana Pinteala, membru in echipa: **L. Marin**, 6 999 150 RON, **2012-2015**
5. PN-II-RU-TE-2014-4-1828 contract 226/ 2015 „*Inovative eco-friendly antimicrobial bio nanomaterials for food and medicine packaging*", coordonator Dr. Maria-Cristina Popescu, membru in echipa de implementare **L. Marin**, 550 000 RON
6. Contract cadru de prestari servicii catre S.C. HoneyWel Romania SRL, responsabil proiect Dr. Mariana Dana Damaceanu, membr in echipa: **L. Marin**, Stefan Chisca, Paul Constantin, 45 000 RON, **2013**
7. Grant Capacitati PS-CDI: „*Nanotehnologia in Romania: studiu prospectiv*", NANOPROSPECT, coordonator proiect Dr. Dan Dascalu, Institutul de Microtehnologie București), responsabil „Petru Poni" Acad. Bogdan C. Simionescu, membri echipa: **L. Marin**, M.D. Damaceanu, D. Tampu, C. Ibanescu, E. Perju, 22 000 RON, **2010-2011**
8. Fondul Social European - *Program de burse postdoctorale* "Cristofor I. Simionescu" POSDRU/89/1.5/S/55216, responsabil Acad. B. C. Simionescu, (**L. Marin -** postdoctorand), 19 486 466 RON, **2010-2013**
9. GR104/25.05.2007 "*Noi cristale lichide pentru sisteme disperse nano si microstructurate*", director proiect: V. Cozan, membri echipa: C. Racles, **L. Marin**, A. Ionid, I. E. Sajo, C. V. Grigoras, D. Pavel, M. Alexandru, 116 000 RON, **2007-2008**
10. Proiect CEEX – MATNANTECH nr. 52/2006, "*Materiale siliconice nanostructurate multifunctionale* " subproiect « *Dezvoltari in domeniul copolimerilor siloxan-organici capabii de structurare prin separare de faza* », responsabil Dr. Maria Cazacu, membri echipa : Carmen Racles, Vasile Cozan, Anton Airinei, Ghiocel Ioanid, Aurelia Ioanid, Angelica Vlad, Mihaela Alexandru, Luminita Marin, Mioara Drobota, Nicusor Fifere, Mihaela Avadanei, Isache Marius Gabriel, Terlescu Tinuta, Valerica Haulica, Mihai Marcu, 64 200 000 RON, 2006 – 2008

11. Proiect CEEX-ET, nr. 5914/18.09.2006 „*Sinteza si studiul unor materiale polimere cu proprietati speciale (electroizolante, semiconductoare, lichid cristaline) pentru aplicatii in nanotehnologii electronice si optoelectronice*”, responsabil proiect M. D. Damaceanu, membri echipa: **L. Marin**, T. Vlad-Bubulac, 140 000 RON, **2006 – 2008**
12. Grant CEEX-MATNANTECH ***NANOPOL,*** Contract 5618/ 10.10.2005, Subcontract 1/2005 “*Materiale compozite nanostructurate polimerice cu utilizare in monitorizarea mediului*”; Subproiect: “*Proiectarea de noi structuri polimere pentru utilizare ca senzori de monitorizare si control cu prelucrabilitate, eficienta si sensibilitate imbunatatite, pentru anumite categorii de stimuli*” responsabil Dr. M. Cazacu, membri echipa: M Grigoras, E. Hamciuc, C. Racles, V. Vozan, A. Vlad, **L. Marin**, M.I.Dorin, D.G. Conduruta, R. Lungu, 270 000 RON, **2005 – 2008**
13. Grant Academia Romana, Contract 40/2005, “Copolimeri alternanti pentru materiale optice cu inalt potential aplicativ”, responsabil Dr. C. Hulubei, membri echipa : L. Cianga, S. Morariu, V. Cozan, **L. Marin**, M. Bruma, 7900RON, **2005 – 2006**
14. Grant CNCSIS 33461/17.07.2002, Cod CNCSIS 814 « *Polisulfone aromatice cu proprietati de cristale lichide termotrope* », responsabil Dr. V. Cozan, membri echipa : E. Avram, **L. Marin**, V. C. Grigoras, A. Taranu, 9320 RON, **2002 – 2003**
15. Grant CNCSIS 33461/17.07.2002, Cod CNCSIS 811, «*Noi aplicatii ale metodelor de polimerizare controlata in obtinerea de materiale polimerice cu arhitecturi si proprietati speciale* », responsabil Dr. I. Cianga, membri echipa : Y. Yagci, D.O. Dorohoi, L. Cianga, F. Tanasa, **L. Marin**, M. Ivan, 21000 RON, **2002 -2004**

Recunoasterea impactului activităţii (A3)

3.1. Citari in reviste ISI (fara autocitari) - conform ISI Web of knowledge: 317 (motor de cautare: Marin L and Petru Poni Institute of Macromolecular Chemistry)



Selecţie:

I. *Synthesis and thermal behaviour of new poly(azomethine-ether)*
Marin, L; Cozan, V; Bruma, M; V. C. Grigoras
EUROPEAN POLYMER JOURNAL 42(5), 1173-1182, 2006

Citata in:

1. Synthesis and Physicochemical Characterization of Poly(azomethine)esters Containing Aliphatic/Aromatic Moieties: Electrical Studies Complemented by DFT Calculation, Gul, Asghari;Akhter, Zareen; Siddiq, Muhammad;Qureshi, Rumana;Bhatti, Arshad S., JOURNAL OF APPLIED POLYMER SCIENCE, 131(17), Article Number: 40698, 2014
2. Synthesis, characterization, optical, and electrochemical properties of thermal stable novel poly(azomethine-ether)s, Kaya, Ismet; Avci, Ali; Kolcu, Feyza; Culhaoglu, Suleyman, DESIGNED MONOMERS AND POLYMERS, 17(5), 481-490, 2014
3. pi-Conjugated Ferrocenyl Schiff Base Polymers: Synthesis, Characterization and Electrical Conductivity, Afzal, Sadaf; Gul, Asghari; Akhter, Zareen, JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS, 24(2), 321-332, 2014
4. The Effect of Carboxylic Acid Group on Conductivity of the Aromatic Polyazomethines and Char Composites, Ozaytekin, Ilkay; POLYMER COMPOSITES, 35(2), 372-380, 2014
5. Conducting poly(azomethine)esters: synthesis, characterization and insight into the electronic properties using DFT calculations, Gul, Asghari; Akhter, Zareen; Qureshi, Rumana; Bhatti, Arshad S., RSC ADVANCES 4(42), 22094-22100, 2014
6. Preparation and phase behavior of blends of polysulfone-based polymers with phosphorous-containing smectic-A liquid crystals, Vlad-Bubulac, Tachita; Serbezeanu, Diana; Hamciuc, Corneliu; Petreus, Oana; Carja, Ionela-Daniela; Lisa, Gabriela, POLYMER ENGINEERING AND SCIENCE 53(6), 1209-1216, 2013
7. Synthesis, physicochemical studies and potential applications of high-molecular-weight ferrocene-based poly(azomethine)ester and its soluble terpolymers, Gul, Asghari; Akhter, Zareen; Bhatti, Arshad; Siddiq, Muhammad; Khan, Abbas; M. Siddiqe, Humaira; Kauser Janjua Naveed; Shaheen, Amber; Sarfaz, Senhrish; Mirza, Bushra, JOURNAL OF ORGANOMETALLIC CHEMISTRY 719, 41-53, 2012
8. Syntheses and characterization of poly(iminophenol)s derived from 4-bromobenzaldehyde: Thermal, optical, electrochemical and fluorescent properties, Kaya, Ismet; Avci, Ali; Gultekina, Ozlem, CHINESE JOURNAL OF POLYMER SCIENCE 30(6), 796-807, 2012
9. Novel poly(azomethine-urethane)s and their polyphenol derivatives derived from aliphatic diisocyanate compound: Synthesis and thermal characterization, Kaya, Ismet; Kamaci, Musa, JOURNAL OF APPLIED POLYMER SCIENCE 125(2), 876-887, 2012
10. Synthesis and characterization of polyphenols derived from 4-fluorobenzaldeyde: The effect of electron-donating group on some physical properties, Kaya, Ismet; Kamaci, Musa; Arican, Fatih, JOURNAL OF APPLIED POLYMER SCIENCE 125(1), 608-619, 2012
11. Synthesis, optical, electrochemical, and thermal stability properties of poly(azomethine-urethane)s, Kaya, Ismet; Kamaci, Musa, PROGRESS IN ORGANIC COATINGS 74(1), 204-214, 2012
12. Synthesis and Properties of Composites of Oligoazomethine with Char, Ozaytekin, Ilkay; Kar, Yakup, JOURNAL OF APPLIED POLYMER SCIENCE 123(2), 815-823, 2012
13. Dielectric spectroscopy of polyazomethine with vinylene moieties in the main chain, Iwan, Agnieszka; Wlodarska, Magdalena, LIQUID CRYSTALS 39(5), 545-550, 2012
14. Thermotropic liquid crystalline polyazomethine nanocomposites via in situ interlayer polymerization, Min, Ungki; Chang, Jin-Hae, MATERIALS CHEMISTRY AND PHYSICS 129(1-2), 517-522, 2011

15. New Poly(azomethine-urethane)s Including Melamine Derivatives in the Main Chain: Synthesis and Thermal Characterization, Kaya, Ismet; Yildirim, Mehmet; Kamaci, Musa; et al., JOURNAL OF APPLIED POLYMER SCIENCE 120(5), 3027-3035, 2011
16. Synthesis and Phase Transitions of Thermotropic Liquid Crystalline Copolyesters with Phosphorus-Containing Pendent Bulky Groups, Serbezeanu, Diana; Vlad-Bubulac, Tachita; Hamciuc, Corneliu; et al., MATERIALE PLASTICE 48(2), 117-122, 2011
17. Synthesis and thermal characterization of novel poly(azomethine-urethane)s derived from azomethine containing phenol and polyphenol species, Kaya, Ismet; Yildirim, Mehmet; Avci, Ali; et al., MACROMOLECULAR RESEARCH 19(3), 286-293, 2011
18. 1.13. Effect of pi-pi stacking on the self-assembly of azomethine-type rod-coil liquid crystals", Liu, Yi; Zhan, Guozhu; Zhong, Xinhui; et al., LIQUID CRYSTALS 38(8), 995-1006, 2011
19. Structure and Properties of Phosphorous-Containing Thermotropic Liquid-Crystalline Aliphatic-Aromatic Copolyesters, Serbezeanu, Diana; Vlad-Bubulac, Tachita; Hamciuc, Corneliu; et al., MACROMOLECULAR CHEMISTRY AND PHYSICS 211(13), 1460-1471, 2010
20. Thermothropic azomethines and polyazomethines showing liquid crystalline properties, Iwan, Agnieszka, POLIMERY 55(4), 253-266, 2010
21. Soluble semi-conductive chelate polymers containing Cr(III) in the backbone: Synthesis, characterization, optical, electrochemical, and electrical properties, Yildirim, Mehmet; Kaya, Ismet, POLYMER 50(24), 5653-5660, 2009
22. Synthesis, Characterization, and Kinetic of Thermal Degradation of Oligo-2-[(4-bromophenylimino)methyl]phenol and Oligomer-Metal Complexes, Kaya, Ismet; Solguntekin, Ahmet, JOURNAL OF APPLIED POLYMER SCIENCE 113(3), 1994-2007, 2009
23. Synthesis and photophysical study of a conjugated-non-conjugated oligoazomethine, Machado, A. M.; Da Motta Neto, J. D.; Atvars, T. D. Z.; et al., JOURNAL OF LUMINESCENCE 129(7), 720-728, 2009
24. Synthesis and characterization of new polyphenols derived from o-dianisidine: The effect of substituent on solubility, thermal stability, and electrical conductivity, optical and electrochemical properties, Kaya, Ismet; Yildirim, Mehmet; Kamaci, Musa, EUROPEAN POLYMER JOURNAL 45(5), 1586-1598, 2009
25. Conjugated fluorene-thiophenes prepared from azomethine connections Part I. The effect of electronic and aryl groups on the spectroscopic and electrochemical properties, Dufresne, Stephane; Guarin, Sergio Andres Perez; Bolduc, Andreanne; et al., PHOTOCHEMICAL & PHOTOBIOLOGICAL SCIENCES 8(6), 796-804, 2009
26. Synthesis and characterization of novel polyphenol species derived from bis(4-aminophenyl) ether: Substituent effects on thermal behavior, electrical conductivity, solubility, and optical band gap, Kaya, Ismet; Yildirim, Mehmet, JOURNAL OF APPLIED POLYMER SCIENCE 110(1), 539-549, 2008
27. Synthesis and changes of conductivities and thermal stabilities of 4,4 '-oxybis [N-(3,4-Dihydroxybenzilidene) aniline] chelate polymers, Kaya, Ismet; Yildirim, Mehmet, JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS 18(3), 325-333, 2008
28. Synthesis, characterization, thermal degradation and electrical conductivity of poly-4-[(pyridin-2-yl-imino)methyl] benzene-1,3-diol and polymer-metal complexes, Kaya, Ismet; Oksuzgulmez, Seda; Guzel, Husnu, BULLETIN OF THE CHEMICAL SOCIETY OF ETHIOPIA 22(2), 237-246, 2008

II. *New Thermotropc Liquid Crystalline Polyazomethines Containing Luminescent Mesogens*,**Marin, Luminita**; Damaceanu, Mariana Dana; Timpu, Daniel, SOFT MATERIALS 7(1), 1-20, 2009

Citata in:

1. A silicon-containing polyazomethine and derived metal complexes: synthesis, characterization, and evaluation of the properties, Zaltariov, Mirela-Fernanda; Cazacu, Maria; Shova, Sergiu; Varganici, Cristian-Dragos; Vacareanu, Loredana; Musteata, Valentina; Airinei, Anton; DESIGNED MONOMERS AND POLYMERS 17(7), 668-683, 2014
2. Novel Azoester Compounds with a Lateral Methyl Substituent Dixit, Sandhya; Vora, R. A.; MOLECULAR CRYSTALS AND LIQUID CRYSTALS 592(1), 133-140, 2014
3. Structural characterization, absorption and photoluminescence study of symmetrical azomethines with long aliphatic chains; Iwan, Agnieszka; Schab-Balcerzak, Ewa; Grucela-Zajac, Marzena; et al.; JOURNAL OF MOLECULAR STRUCTURE 1058, 130-135, 2014
4. Optical properties of unsymmetrical azomethines with one imine bonds ; Iwan, Agnieszka; Schab-Balcerzak, Ewa; Grucela-Zajac, Marzena; et al.; SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY 117, 152-157, 2014
5. Effect of the lateral substituent on the mesomorphic behavior of side-chain liquid-crystalline polymers containing a Schiff base ester, Salleh, Noordini M.; Sheikh, Md. Rezaul Karim; Yahya, Rosiyah; et al., JOURNAL OF POLYMER RESEARCH 20(12), 296, 2013
6. New azomethine-phthalic diimides: Synthesis and thermal, optical and electrochemical characterization, Bijak, Katarzyna; Grucela-Zajac, Marzena; Janeczek, Henryk; et al., SYNTHETIC METALS 175, 146-154, 2013
7. Influence of the Aldehyde Impurities on the Optical and Thermotropic Properties of a Liquid Crystalline Azomethine Dimer, Zabulica, Andrei; Bruma, Maria, REVISTA DE CHIMIE 64(8), 914-918, 2013
8. New room-temperature thermotropic perylene-based bisimides: Synthesis, liquid crystalline, light-emitting and electrochemical properties, Bijak, Katarzyna; Janeczek, Henryk; Grucela-Zajac, Marzena; et al., OPTICAL MATERIALS 35(5), 1042-1050, 2013
9. Mesomorphic studies of novel azomesogens having a benzothiazole core: Synthesis and characterization, Thaker, B. T.; Patel, B. S.; Dhimmar, Y. T.; et al., LIQUID CRYSTALS 40(2), 237-248, 1 2013
10. 1,3,4-Oxadiazole based liquid crystals, Han, Jie; JOURNAL OF MATERIALS CHEMISTRY C 1(47), 7779-7797, 2013
11. Role of oxadiazole moiety in different D-A polyazothines and related resistive switching properties, Pan, Liang; Hu, Benlin; Zhu, Xiaojian; et al., JOURNAL OF MATERIALS CHEMISTRY C 1(30), 4556-4564, 2013
12. Preparation and characterization of bismaleimide monomers with various structures; Sava, Mitica, DESIGNED MONOMERS AND POLYMERS 16(1), 14-24, 2013
13. Review on: liquid crystalline polyazomethines polymers. Basics, syntheses and characterization, Hussein, Mahmoud A.; Abdel-Rahman, Mona A.; Asiri, Abdullah M.; et al., DESIGNED MONOMERS AND POLYMERS 15(5), 431-463, 2012
14. New thermotropic symmetrical and unsymmetrical azomethine with azobenzene unit and fluorinated alkyl chain: Synthesis and characterization, Hamryszak, Lukasz; Janeczek, Henryk; Schab-Balcerzak, Ewa, JOURNAL OF MOLECULAR LIQUIDS 165, 12-20, 2012
15. Effect of branching architecture on the optical properties of polyazomethines, Deng, Hongping; Zhu, Bangshang; Song, Liang; et al., POLYMER CHEMISTRY 3(2), 421-428, 2012

16. Dielectric behavior of thin films made from poly(oxadiazole-naphthylimide)s, Damaceanu, Mariana-Dana; Rusu, Radu-Dan; Musteata, Valentina-Elena; et al., SOFT MATERIALS 9(1), 44-63, 2011
17. Intravenous fluids for abdominal aortic surgery, Toomtong, Patiparn; Suksompong, Sirilak, COCHRANE DATABASE OF SYSTEMATIC REVIEWS 1, Article Number: CD000991, 2010
18. The synthesis and thermal, optical and electrical properties of novel aromatic-aliphatic five- and six-membered thermotropic polyimides, Schab-Balcerzak, Ewa; Wegrzyn, Marcin; Janeczek, Henryk; et al., LIQUID CRYSTALS 37(11), 1347-1359, 2010
19. Hypothermia for traumatic head injury, Sydenham, Emma; Roberts, Ian; Alderson, Phil; COCHRANE DATABASE OF SYSTEMATIC REVIEWS 2, Article Number: CD001048, 2009
20. Synthesis, single crystal structures, and liquid crystal property of 2,5-diphenyl-1,3,4-oxadiazoles/1,3,4-thiadiazoles, Han, Jie; Chang, Xiao-Yong; Cao, Bo-Nan; et al., SOFT MATERIALS 7(4), 342-354, 2009

III. *On the electronic transport mechanism in thin films of some new poly(azomethine sulfone)s*, Rusu, G. I.;Airinei, A.; Rusu, M.; Prepelita, P.; **Marin, L**.; Cozan, V.; Rusu, I. I.; ACTA MATERIALIA 55(2), 433-442, 2007

Citata in:

1. On the direct current electric conductivity and conduction mechanism of some stable disubstituted 4-(4-pyridyl) pyridinium ylides in thin films, Danac, R., Leontie, L.; Girtan, M.; Prelipceanu, M.; Graur, A.; Carlescu, A.; Rusu, G. I., THIN SOLID FILMS, 556, 216-222, 2014
2. Photophysical, Electrochemical, Thermal and Morphological Properties of Polyurethanes Containing Azomethine Bonding, Kamaci, Musa; Kaya, Ismet, JOURNAL OF MACROMOLECULAR SCIENCE PART A-PURE AND APPLIED CHEMISTRY 51(10), 805-819, 2014
3. On the mechanism of electrical conduction in thin films of some polysulfone-poly(alkylene oxide)-poly(dimethylsiloxane) block copolymers; Rusu, G. G.; Airinei, A.; Hamciuc, V.; Rambu, A. P.; Caplanus, I.; Rusu, G. I., SUPERLATTICES AND MICROSTRUCTURES 65, 91-105, 2014
4. Investigation of optical and electrical properties of new aromatic polyazomethine with thiophene and cardo moieties toward application in organic solar cells; Iwan, Agnieszka; Schab-Balcerzak, Ewa; Korona, Krzysztof P.; Grankowska, Sylwia; Kaminska, Maria, SYNTHETIC METALS 185, 17-24, 2013
5. Opto(electrical) properties of triphenylamine-based polyazomethine and its blend with [6,6]-phenyl C-61 butyric acid methyl ester, Iwan, Agnieszka; Palewicz, Marcin; Chuchmala, Andrzej; et al., HIGH PERFORMANCE POLYMERS 25(7), 832-842, 2013
6. Synthesis of polythiophene thin films by simple successive ionic layer adsorption and reaction (SILAR) method for supercapacitor application, Patil, B. H.; Jagadale, A. D.; Lokhande, C. D., SYNTHETIC METALS 162(15-16), 1400-1405, 2012
7. Electron transport properties of some new 4-tert-butylcalix[4]arene derivatives in thin films, Leontie, Liviu; Danac, Ramona; Girtan, Mihaela; et al.; MATERIALS CHEMISTRY AND PHYSICS 135(1), 123-129, 2012
8. d.c. electric conduction mechanism of some newly synthesized indolizine derivatives in thin films, Danac, R.; Leontie, L.; Carlescu, A.; et al.; MATERIALS CHEMISTRY AND PHYSICS 134(2-3), 1042-1048, 2012

9. Polyazomethine with vinylene and phenantridine moieties in the main chain: Synthesis, characterization, opto(electrical) properties and theoretical calculations, Iwan, Agnieszka; Guimaraes, Jeconias Rocha; dos Santos, Maria Cristina; et al.; HIGH PERFORMANCE POLYMERS 24(4), 319-330, 2012
10. Optical, Structural, and Electrical Properties of Aromatic Triphenylamine-Based Poly(azomethine)s in Thin Layers, Palewicz, M.; Iwan, A.; Sikora, A.; et al.; ACTA PHYSICA POLONICA A Volume: 121 Issue: 2 Pages: 439-444, 2012
11. Opto(electrical) properties of new aromatic polyazomethines with fluorene moieties in the main chain for polymeric photovoltaic devices, Iwan, Agnieszka; Palewicz, Marcin; Chuchmala, Andrzej; et al., SYNTHETIC METALS 162(1-2), 143-153, 2012
12. Polycrystalline ZnO-In2O3 thin films as gas sensors, Rambu, A. P.; Sirbu, D.; Iftimie, N.; et al.; THIN SOLID FILMS 520(4), 1303-1307, 2011
13. Characterization, liquid crystalline behavior, electrochemical and optoelectrical properties of new poly(azomethine)s and a poly(imide) with siloxane linkages, Iwan, Agnieszka; Schab-Balcerzak, Ewa; Pociecha, Damian; et al.; OPTICAL MATERIALS 34(1), 61-74, 2011
14. Electrical and optical properties of some polyazomethine thin films prepared by a spin-coating method, Amironesei, A.; Airinei, A.; Timpu, D.; et al., JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS 13(7-8), 802-806, 2011
15. Study of electronic transport properties of some new N-(p-R-phenacyl)-1,7-phenanthrolinium bromides in thin films, Leontie, L.; Danac, R.; Apetroaei, N.; et al., MATERIALS CHEMISTRY AND PHYSICS 127(3), 471-478, 2011
16. New aliphatic-aromatic tetraphenylphthalic-based diimides: Thermal, optical and electrical study, Iwan, Agnieszka; Schab-Balcerzak, Ewa; Siwy, Mariola; et al.; OPTICAL MATERIALS 33(6), 958-967, 2011
17. Optical and structural study of thin film of polyazomethine with triphenylamine unit prepared via spin-coating method, Palewicz, M.; Iwan, A.; Doskocz, J.; et al., POLYMER BULLETIN 66(1), 65-76, 2011
18. On the Electrical and Optical Properties of Some Poly(Azomethine Sulfone)s in Thin Films, Rusu, Mihaela; Airinei, Anton; Rusu, George G.; et al., JOURNAL OF MACROMOLECULAR SCIENCE PART B-PHYSICS 50(7), 1285-1297, 2011
19. Electron transport properties of some newly synthesized nonsymmetrical bisindolizines in thin films, Leontie, L.; Danac, R.; Druta, I.; et al., SYNTHETIC METALS 160(23-24),2526-2533, 2010
20. Optical and electrical properties of polythiophene thin films: Effect of post deposition heating, Kamat, S. V.; Tamboli, S. H.; Puri, Vijaya; et al.; JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS 12(11), 2301-2305, 2010
21. Aliphatic-aromatic poly(azomethine)s with ester groups as thermotropic materials for opto(electronic) applications, Iwan, Agnieszka; Palewicz, Marcin; Sikora, Andrzej; et al., SYNTHETIC METALS 160(17-18), 1856-1867, 2010
22. Electrical conduction mechanism in polycrystalline titanium oxide thin films, Mardare, Diana; Rusu, G. I., JOURNAL OF NON-CRYSTALLINE SOLIDS 356(28-30), 1395-1399, 2010
23. Newly synthesized fused heterocyclic compounds in thin films with semiconductor properties, Leontie, L.; Danac, R.; Druta, I.; et al., SYNTHETIC METALS 160(11-12), 1273-1279, 2010
24. Study on the Electronic Transport Properties of Some New Complexes of Cu (II) with Asparagines, Aspartic Acid and Their Derivatives, Caplanus, Ion; Sunel, Valeriu; Baban, Cristian-Ioan; et al., REVISTA DE CHIMIE 60(12), 1247-1250, 2009

25. Electrical d.c. conduction mechanism in some newly synthesized mono- and dipyridine quaternary salts in thin films, Leontie, L.; Druta, I.; Furdui, B.; et al., SYNTHETIC METALS 159(17-18), 1831-1836, 2009
26. The Thermoelectric Performance of Poly(3,4-ethylenedi oxythiophene)/Poly(4-styrenesulfonate) Thin Films, Chang, Kuei-Chien; Jeng, Ming-Shan; Yang, Chang-Chung; et al., JOURNAL OF ELECTRONIC MATERIALS 38(7), 1182-1188, 2009
27. Electronic and Optical Properties of Some Polysulfone-Polydimethylsiloxane Copolymers in Thin Films, Rusu, G. I.; Airinei, A.; Hamciuc, Viorica; et al., JOURNAL OF MACROMOLECULAR SCIENCE PART B-PHYSICS 48(2), 238-253, 2009

IV. *Comparative study of new thermotropic polyazomethines*, **Marin, Luminita**; Cozan, Vasile; Bruma, Maria; POLYMERS FOR ADVANCED TECHNOLOGIES 17(9-10), 664-672, 2006

Citata in:

1. Synthesis and Physicochemical Characterization of Poly(azomethine)esters Containing Aliphatic/Aromatic Moieties: Electrical Studies Complemented by DFT Calculation, Gul, Asghari; Akhter, Zareen; Siddiq, Muhammad;Qureshi, Rumana; Bhatti, Arshad S., JOURNAL OF APPLIED POLYMER SCIENCE, 131(17), Article Number: 40698, 2014
2. pi-Conjugated Ferrocenyl Schiff Base Polymers: Synthesis, Characterization and Electrical Conductivity, Afzal, Sadaf; Gul, Asghari; Akhter, Zareen, JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS 24(2), 321-332, 2014
3. Conducting poly(azomethine)esters: synthesis, characterization and insight into the electronic properties using DFT calculations, Gul, Asghari; Akhter, Zareen; Qureshi, Rumana; et al., RSC ADVANCES 4(42), 22094-22100, 2014
4. Synthesis and characterization of ether bridged polymers and their fluorescent, thermal, conductivity, optical and electrochemical properties, Kaya, Ismet; Temizkan, Kevser; Aydin, Aysel, JOURNAL OF ELECTROANALYTICAL CHEMISTRY 708, 54-61, 2013
5. Synthesis and characterization of aromatic and aliphatic ether bridged polymers containing carbazole moieties, Kaya, Ismet; Temizkan, Kevser; Aydin, Aysel, MATERIALS SCIENCE AND ENGINEERING B-ADVANCED FUNCTIONAL SOLID-STATE MATERIALS 178(13), 863-874, 2013
6. Preparation and characterization of bismaleimide monomers with various structures, Sava, Mitica; DESIGNED MONOMERS AND POLYMERS 16(1), 14-24, 2013
7. Synthesis and characterization of aromatic and aliphatic ether bridged polymers containing carbazole moieties, Kaya, Ismet; Temizkan, Kevser; Aydin, Aysel, MATERIALS SCIENCE AND ENGINEERING B-ADVANCED FUNCTIONAL SOLID-STATE MATERIALS 178(13), 863-874, 2013
8. Synthesis, physicochemical studies and potential applications of high-molecular-weight ferrocene-based poly(azomethine)ester and its soluble terpolymers, Gul, Asghari; Akhter, Zareen; Bhatti, Arshad; et al.; JOURNAL OF ORGANOMETALLIC CHEMISTRY 719(41-53), 2012
9. Review on: liquid crystalline polyazomethines polymers. Basics, syntheses and characterization, Hussein, Mahmoud A.; Abdel-Rahman, Mona A.; Asiri, Abdullah M.; et al., DESIGNED MONOMERS AND POLYMERS 15(5), 431-463, 2012

10. Association Phenomena of Poly(arylene ether sulfone)s in Dimethylformamide, Iftime, Manuela; Racles, Carmen; Cozan, Vasile; et al., JOURNAL OF MACROMOLECULAR SCIENCE PART B-PHYSICS 51(8), 1668-1680, 2012
11. Dielectric spectroscopy of polyazomethine with vinylene moieties in the main chain, Iwan, Agnieszka; Wlodarska, Magdalena, LIQUID CRYSTALS 39(5), 545-550, 2012
12. Electrical and optical properties of some polyazomethine thin films prepared by a spin-coating method, Amironesei, A.; Airinei, A.; Timpu, D.; et al., JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS 13(7-8), 802-806, 2011
13. Synthesis and characterization of chelate polymers containing etheric diphenyl ring in the backbone: thermal, optical, electrochemical, and morphological properties, Kaya, Ismet; Aydin, Aysel, POLYMERS FOR ADVANCED TECHNOLOGIES 22(6), 951-961, 2011
14. Synthesis and thermal characterization of novel poly(azomethine-urethane)s derived from azomethine containing phenol and polyphenol species, Kaya, Ismet; Yildirim, Mehmet; Avci, Ali; et al., MACROMOLECULAR RESEARCH 19(3), 286-293, 2011
15. On the Electrical and Optical Properties of Some Poly(Azomethine Sulfone)s in Thin Films, Rusu, Mihaela; Airinei, Anton; Rusu, George G.; et al., JOURNAL OF MACROMOLECULAR SCIENCE PART B-PHYSICS 50(7), 1285-1297, 2011
16. New Poly(arylene ether sulfone)s Containing Phenolphthalein and Fluorene Moieties in the Main Chain, Ciobanu, Manuela; Cozan, Vasile; Bruma, Maria; et al., HIGH PERFORMANCE POLYMERS 22(6), 666-681, 2010
17. Thermal and Optical Properties of CdS Nanoparticles in Thermotropic Liquid Crystal Monomers, Lee, Hooi Ling; Mohammed, Issam Ahmed; Belmahi, Mohammed; et al., MATERIALS 3(3), 2069-2086, 2010
18. New copoly(ether-imide-sulfone) oligomers having pendant ionic groups, Ciobanu, Manuela; Brunchi, Cristina-Eliza; Perju, Elena; et al., REVUE ROUMAINE DE CHIMIE 54(8), 685-, 2009
19. Synthesis and characterization of new polyphenols derived from o-dianisidine: The effect of substituent on solubility, thermal stability, and electrical conductivity, optical and electrochemical properties, Kaya, Ismet; Yildirim, Mehmet; Kamaci, Musa; EUROPEAN POLYMER JOURNAL 45(5), 1586-1598, 2009

V. *Designing thermotropic liquid crystalline polyazomethines based on fluorene and/or oxadiazole chromophores*, **Marin, Luminita**; Perju, Elena; Damaceanu, Mariana Dana, EUROPEAN POLYMER JOURNAL 47(6), 1284-1299, 2011

Citata in:

1. A silicon-containing polyazomethine and derived metal complexes: synthesis, characterization, and evaluation of the properties, Zaltariov, Mirela-Fernanda; Cazacu, Maria; Shova, Sergiu; Varganici, Cristian-Dragos; Vacareanu, Loredana; Musteata, Valentina; Airinei, Anton, DESIGNED MONOMERS AND POLYMERS, 17(7), 668-683, 2014
2. Synthesis, Thermal and Morphological Properties of Polyurethanes Containing Azomethine Linkage, Kamaci, Musa; Kaya, Ismet; JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS 24(5), 803-818, 2014
3. Novel iridium complexes containing alkylfluorene functionalized picolinic acid ancillary ligand: Synthesis, optophysics and electroluminescence properties, Yu, Junting; Wang, Yafei; Liu, Yu;

Deng, Xianping; Tan, Hua; Zhang, Zhiyong; Zhu, Meixiang; Zhu, Weiguo, JOURNAL OF ORGANOMETALLIC CHEMISTRY, 761, 51-55, 2014

4. Novel high T-g, organosoluble poly(ether imide)s containing 4,5-diazafluorene unit: Synthesis and characterization, Li, Hui; Zhang, Shujiang; Gong, Chengliang; Liang, Yu; Qi, Zhigang; Li, Yanfeng, EUROPEAN POLYMER JOURNAL 54, 128-137, 2014
5. Structural characterization, absorption and photoluminescence study of symmetrical azomethines with long aliphatic chains, Iwan, Agnieszka; Schab-Balcerzak, Ewa; Grucela-Zajac, Marzena; Skorka, Lukasz, JOURNAL OF MOLECULAR STRUCTURE, 1058, 130-135, 2014
6. Optical properties of unsymmetrical azomethines with one imine bonds, Iwan, Agnieszka; Schab-Balcerzak, Ewa; Grucela-Zajac, Marzena;Skorka, Lukasz, SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY 117, 152-157, 2014
7. Computational investigation of charge injection and transport properties of a series of thiophene-pyrrole based oligo-azomethines, Sahu, Harikrishna; Panda, Aditya N., PHYSICAL CHEMISTRY CHEMICAL PHYSICS, 16(18), 8563-8574, 2014
8. Computational Study on the Effect of Substituents on the Structural and Electronic Properties of Thiophene-Pyrrole-Based pi-Conjugated Oligomers, Sahu, Harikrishna; Panda, Aditya N., MACROMOLECULES 46(3), 844-855, 2013
9. New Polymer Syntheses Part 57: Thermally Stable New Ferrocene-Polyazomethines, Synthetic Methodology, and Characterization, Abdel-Rahman, Mona Ahmed; Hussein, Mahmoud Ali; Aly, Kamal Ibrahim; et al., JOURNAL OF CHEMISTRY, Article Number: 198652, 2013
10. Charge-Carrier Transport in Thin Films of pi-Conjugated Thiopheno-Azomethines, Isik, Dilek; Santato, Clara; Barik, Satyananda; et al., ORGANIC ELECTRONICS 13(12), 3022-3031, 2012, Fluorescence behavior of semicrystalline functionalized maleic acid copolymers containing 1,3,4-oxadiazole side chains, Damaceanu, Mariana-Dana; Bruma, Maria; Schulz, Burkhard, POLYMER 53(23), 5258-5267, 2012
11. pi-Conjugated Fluorescent Azomethine Copolymers: Opto-Electronic, Halochromic, and Doping Properties, Barik, Satyananda; Bletzacker, Thomas; Skene, W. G., MACROMOLECULES 45(3), 1165-1173, 2012
12. Review on: liquid crystalline polyazomethines polymers. Basics, syntheses and characterization, Hussein, Mahmoud A.; Abdel-Rahman, Mona A.; Asiri, Abdullah M.; et al., DESIGNED MONOMERS AND POLYMERS 15(5), 431-463, 2012

VI. *Synthesis and characterization of new azomethine derivatives exhibiting liquid crystalline properties*, **Marin, Luminita**; Destri, Silvia; Porzio, William; Bertini, Fabio, LIQUID CRYSTALS 36(1), 21-32, 2000

Citata in:

1. Synthesis and Characterization of Naphthalene-Based Banana-Shaped Liquid Crystals for Photoswitching Properties, Rahman, Md Lutfor; Yusoff, Mashitah Mohd; Hegde, Gurumurthy; Malek, Muhammad Nor Fazli Abdul; Abu Samah, Nurlin; Srinivasa, H. T.;Kumar, Sandeep, JOURNAL OF THE CHINESE CHEMICAL SOCIETY 61(5), 571-577, 2014
2. Structural characterization, absorption and photoluminescence study of symmetrical azomethines with long aliphatic chains, Iwan, Agnieszka ; Schab-Balcerzak, Ewa; Grucela-Zajac, Marzena; Skorka, Lukasz, JOURNAL OF MOLECULAR STRUCTURE 1058, 130-135, 2014

3. Optical properties of unsymmetrical azomethines with one imine bonds, Iwan, Agnieszka; Schab-Balcerzak, Ewa; Grucela-Zajac, Marzena; Skorka, Lukasz, SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY 117, 152-157, 2014
4. Influence of the Aldehyde Impurities on the Optical and Thermotropic Properties of a Liquid Crystalline Azomethine Dimer, Zabulica, Andrei; Bruma, Maria, REVISTA DE CHIMIE 64(8), 914-918, 2013
5. Synthesis of Banana-Shaped Liquid Crystals for Photoswitching Properties, Lutfor, Md Rahman; Yusoff, Mashitah Mohd; Hegde, Gurumurthy; Fazli, Muhammad Nor; Malek, Abdul; Abu Samah, Nurlin; Srinivasa, H. T., MOLECULAR CRYSTALS AND LIQUID CRYSTALS, 587(1), 41-53, 2013
6. Liquid crystalline properties of new unsymmetrical compounds with benzothiazole core detected by TG/DSC-POM-XRD, Iwan, Agnieszka; Gorecki, Lech; Pociecha, Damian, JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY 110(1), 43-49, 2012
7. chi((3)) measurements in Schiffs base derivatives: Effect of metal nanoparticles, Sudheesh, P.; Chandrasekharan, K., SOLID STATE COMMUNICATIONS 152(4), 268-272, 2012
8. Synthesis and characterisation of azomethine class thermotropic liquid crystals and their application in nonlinear optics, Darla, Mallikharjuna Rao; Varghese, Soney, LIQUID CRYSTALS 39(1), 63-70, 2012
9. Thermoluminescence measurements of liquid crystal azomethines and poly(azomethines) with different shapes as thermo-detectors, Iwan, Agnieszka; Bilski, Pawel; Klosowski, Mariusz, JOURNAL OF LUMINESCENCE 130(12), 2362-2367, 2010
10. Thermal and current-voltage behaviour of liquid crystal compounds with rod and bent shapes comprising alkoxysemifluorinated and imine segments, Iwan, Agnieszka; Janeczek, Henryk; Hreniak, Agnieszka; et al., LIQUID CRYSTALS 37(8), 1021-1031, 2010
11. Synthesis and characterisation of thermotropic liquid-crystalline properties of azomethine dimers, Bhowmik, Pradip K.; Han, Haesook; Nedeltchev, Alexi K.; et al., LIQUID CRYSTALS 36(12), 1389-1399, 2009

VII. *Imino-chitosan biodynamers,* **Marin, Luminita**; Simionescu, Bogdan; Barboiu, Mihail, CHEMICAL COMMUNICATIONS 48(70), 2012

Citata in:

1. Vanillin, a key-intermediate of biobased polymers, Fache, Maxence; Boutevin, Bernard; Caillol, Sylvain, EUROPEAN POLYMER JOURNAL 68 488-502, 2015
2. Chitosan-vanillin composites with antimicrobial properties, Marta Stroescu, Anicuta Stoica-Guzun, Gabriela Isopencu, Sorin Ion Jinga, Oana Parvulescu, Tanase Dobre, Mihai Vasilescu, FOOD HYDROCOLLOIDS, 48, 62-71, 2015
3. Urease-carrying electrospun polyacrylonitrile mat for urea hydrolysis, Daneshfar, Aref; Matsuura, Takeshi; Emadzadeh, Daryoush; et al., REACTIVE & FUNCTIONAL POLYMERS 87, 37-45, 2015
4. DYNAMERS: dynamic polymers as self-healing materials, Roy, Nabarun; Bruchmann, Bernd; Lehn, Jean-Marie, CHEMICAL SOCIETY REVIEWS 44(11), 3786-3807, 2015
5. Hybrid fullerene conjugates as vectors for DNA cell-delivery, Uritu, Cristina M.; Varganici, Cristian D.; Ursu, Laura; et al., JOURNAL OF MATERIALS CHEMISTRY B 3(12), 2433-2446, 2015

6. Dynamic constitutional frameworks for DNA biomimetic recognition, Catana, Romina; Barboiu, Mihail; Moleavin, Ioana; et al., CHEMICAL COMMUNICATIONS 51(11), 2021-2024, 2015
7. Asymmetric Synthesis of Substituted Thiolanes through Domino Thia-Michael-Henry Dynamic Covalent Systemic Resolution using Lipase Catalysis, Zhang, Yan; Vongvilai, Pornrapee; Sakulsombat, Morakot; Fischer, Andreas; Ramstrom, Olof, ADVANCED SYNTHESIS & CATALYSIS, 356(5), 987-992, 2014
8. Reversible cross-linking reactions of alkoxyamine-appended polymers under bulk conditions for transition between flow and rubber-like states, Su, Jing; Amamoto, Yoshifumi; Sato, Tomoya; Kume, Masashi; Inada, Taro; Ohishi, Tomoyuki; Higaki, Yuji; Takahara, Atsushi; Otsuka, Hideyuki, POLYMER 55(6), 1474-1480, 2014
9. Silver-catalyzed dynamic systemic resolution of alpha-iminonitriles in a 1,3-dipolar cycloaddition process, Hu, Lei; Ramstrom, Olof, CHEMICAL COMMUNICATIONS 50(29), 3792-3794, 2014
10. Transition from low molecular weight non-gelating oligo(amide-triazole)s to a restorable, halide-responsive poly(amide-triazole) supramolecular gel, Yim, Siu-Lung; Chow, Hak-Fun; Chan, Man-Chor, CHEMICAL COMMUNICATIONS 50(23), 3064-3066, 2014
11. Dynamic combinatorial/covalent chemistry: a tool to read, generate and modulate the bioactivity of compounds and compound mixtures, Herrmann, Andreas, CHEMICAL SOCIETY REVIEWS, 43(6), 1899-1933, 2014
12. Slow release of fragrance aldehydes and ketones in functional perfumery from dynamic mixtures generated with N-heteroarylmethyl-substituted secondary diamines, Trachsel, Alain; Chapuis, Christian; Herrmann, Andreas, FLAVOUR AND FRAGRANCE JOURNAL, 28(5), 280-293, 2013
13. Self-healing Hydrogels Based on Dynamic Chemistry and Their Biomedical Applications, Zhang Yaling; Yang Bin; Xu Liangxin; et al., ACTA CHIMICA SINICA 71(4), 485-492, 2013
14. Dried chitosan-gels as organocatalysts for the production of biomass-derived platform chemicals, Kayser, Henning; Mueller, Christoph R.; Garcia-Gonzalez, Carlos A.; et al., APPLIED CATALYSIS A-GENERAL 445, 180-186, 2012
15. Metallodynameric membranes - are metallic ions facilitating the transport of CO2?, Nasr, Gihane; Macron, Thomas; Gilles, Arnaud; et al., CHEMICAL COMMUNICATIONS 48(94), 11546-11548, 2012

Semnătura: