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## LISTA LUCRĂRILOR ȘTIINȚIFICE

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### **a. Teza de doctorat:**

„Sinteza si studiul unor compusi noi cu proprietati de cristal lichid”, sub conducerea stiintifica a doamnei Cercetator stiintific gradul I, profesor asociat, Dr. Maria Bruma, 2007  
Academia Română, Institutul de Chimie Macromoleculară „Petru Poni”, Iași

### **b. Cărți:**

#### **L. Marin**

“Sinteza si studiul unor compusi cu proprietati de cristal lichid”, editura Tehnopress, Iasi- **2008**, ISBN 978-973-702-599-9

### **c. 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*,

- ISBN 81-7895-223-8, Firas Awaja (ed.), Transworld Research Network, Kerala, India (2006)
2. V. Cozan, **L. Marin**, "Thermotropic Liquid Crystalline Polyazomethines" in *Advances in Functional Heterochain Polymers*, M. Cazacu (ed.), Nova Publishers Inc. New York 2008, ISBN 978-1-60456-599-7
  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 2010, ISBN: 978-81-7895-448-6
  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 2010, ISBN: 978-81-7895-448-6

#### d. Articole publicate în reviste de specialitate (cotate ISI)

1. V. Cozan, E. Avram, **L. Marin**, C. Racles, "Calculation of group contribution of molar glass transition function ( $T_g$ ) for 2-chloromethylene-1,4-phenylene units – application to chemical modification reaction of polysulfones", *Eur. Polym. J.* 39 (2), 397-400 (2003) – short communication
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 Perform. Polym.* 15 (3), 301-318, (2003)
3. **L. Marin\***, V. Cozan, „Liquid crystalline azomethines. The effect of sulfonyl group on the liquid crystalline properties”, *Analele Stiintifice ale Universitatii "Al. I. Cuza" Iasi XII*, 65 – 70 (2004)
4. **L. Marin\***, M. Brumă, „Aplicații ale polimerilor cu proprietăți de cristale lichide termotrope”, *Mater. Plast. (Bucharest)*, 41(4), 240 – 244 (2004)
5. **L. Marin\***, V. Cozan, "Cristale lichide polimere. Terminologie si concepte", *Mater. Plast. (Bucharest)* 42 (1), 28-34 (2005)
6. **L. Marin\***, V. Cozan, "Synthesis of new aromatic aldehydes useful for the preparation of azomethine mesogens", *Mater. Plast. (Bucharest)* 42(2), 143-145 (2005)
7. **L. Marin\***, V. Cozan, M. Bruma, "Synthesis and study of new symmetric azomethine trimers containing biphenyl units", *Rev. Roum. Chim.* 50(7-8), 649-653 (2005)
8. V. Cozan, **L. Marin**, M. Bruma, "Preparation and study of new phenolic azomethine compounds", *Rev. Roum. Chim.* 50(7-8), 641-648 (2005)
9. **L. Marin\***, V. Cozan, M. Bruma, „Cristale lichide polimere cu mezogen in catena principala. Corelatii structura - proprietati”, *Mater. Plast. (Bucharest)* 42 (3), 239-244 (2005)
10. **L. Marin\***, V. Cozan, M. Bruma, V. C. Grigoras, "Synthesis and thermal behavior of new poly(azomethine-ether)", *Eur. Polym. J.* 42 (5), 1173-1182 (2006)
11. **L. Marin\***, V. Cozan, M. Bruma, "Comparative study of new thermotropic polyazomethines", *Polym. Adv. Technol.* 17 (9-10), 664-672 (2006)
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13. **L. Marin\***, V. Cozan, "New Thermotropic Azomethines Containing Sulfonyl Group", *Rev. Roum. Chim.* 51 (7-8), 675 – 681 (2006)
14. **L. Marin\***, S. Ciocilteu, "Cristale lichide termotrope. Tipuri de mezogeni", *Mater. Plast. (Bucharest)*, 43(4), 288 - 291 (2006)

15. S. Destri, W. Porzio, **L. Marin\***, M. D. Damaceanu, M. Bruma, “New thermotropic oligomers designed for FET applications”, *J. Optoelectr. Adv. Mater.* 9 (5), 1337 – 1341 (2007)
16. G. H. Rusu, A. Airinei, M. Rusu, P. Prepelică, **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)
17. 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)
18. **L. Marin\***, M. D. Damaceanu, D. Timpu, “New thermotropic liquid crystalline polyazomethines containing luminescent mesogens”, *Soft Materials*, 7(1), 1-20 (2009)
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)
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)
21. **L. Marin\***; E. Perju, “Polysulfone as polymer matrix for a novel polymer-dispersed liquid crystals system”, *Phase Transitions*, 82(7), 507-518, (2009)
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 (2009)
23. Radu-Dan Rusu, Mariana-Dana Damaceanu, **Luminita Marin**, Maria 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)
24. **L. Marin\***, E. Perju, “Optical response of cyanoazomethine liquid crystal droplets in PDLC films based on a polysulfone matrix”, *J. Optoelectron. Adv. Mater.*, 12, 1378–1384 (2010)
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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)
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)
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30. **L. Marin**, B.C. Simionescu, M. Barboiu, “Imino-chitosan biodynamers”, *Chem. Commun.*, 48, 8778–8780, (2012)
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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)
33. **L. Marin**, I. Stoica, M. Mares, V. Dinu, B. C. Simionescu, M. Barboiu, “Antifungal vanillin–imino-chitosan biodynamic films”, *Journal of Materials Chemistry B* , 27, 3353-3358, (2013)

34. **L. Marin\***, A. Zabolica, M. Sava, "Symmetric Liquid Crystal Dimers Containing a Luminescent Mesogen: Synthesis, Mesomorphic Behavior, and Optical Properties", *Soft Materials*, 11:1, 32-39 (2013)
35. A. Zabolica, 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)
36. **L. Marin\***, M-C. Popescu, A. Zabolica, H. Uji-I, E. Fron, "Chitosan as matrix for biopolymer dispersed liquid crystal systems", *Carbohydrate Polymers* 95(1):16-24, (2013)
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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)
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)
40. **L. Marin\***, D. Ailincăi, E. Paslaru, "Monodisperse PDLC composites generated by use of polyvinyl alcohol boric acid as matrix", *RSC Advances* 4, 38397-38404 (2014)
41. **L. Marin\***, A. Zabolica, I.A. Moleavin, "Luminescent guest-host composite films based on an azomethine dye in different matrix polymers", *Optical Materials* 38, 290-296 (2014)
42. **L. Marin\***, D. Ailincăi, 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)
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)
44. D. Belei, C. Dumea, E. Bicu, **L. Marin\***, "Phenothiazine and pyridine-*N*-oxide based AIE-active triazoles: synthesis, morphology and photophysical properties", *RSC Advances* , 5, 8849-8858 (2015)
45. E. Perju, L. Ghimpu, G. Hitruc, V. Harabagiu, M. Bruma, **L. Marin\***, Organic-inorganic hybrid nanomaterials based on inorganic oxides and a mesomorphic polyazomethine, *High Performance Polymers*, 27, 546-554 (2015)
46. **L. Marin**, A. van der Lee, S. Shova, A. Arvinte, M. Barboiu, Molecular amorphous glasses toward large azomethine crystals with aggregation-induced emission, *New Journal Of Chemistry*, 39, 6404-6420 (2015)
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)
48. E. Perju, V. Cozan, **L. Marin\***, M. Bruma, Semiflexible thermotropic polyazomethines based on o-dianisidine mesogenic core, *Liquid Crystals* 42, 1309-1319 (2015)
49. G. Tantar, **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)
50. **L. Marin**, D. Ailincăi, 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)

### e. Articole publicate in extenso in reviste de specialitate din strainatate (reviste necotate ISI)

**L. Marin**, V. Cozan, „Synthesis of 4-[4-(4-nitrobenzylideneiminophenylene)-phenyleneiminomethylidene]-phenol”, *Molbank* M488 (2006)

### f. Articole publicate in extenso in reviste de specialitate din tara recunoscute de catre CNCSIS

1. **Luminița Marin**, Vasile Cozan, „Liquid crystalline azomethines. The effect of sulfonyl group on the liquid crystalline properties”, *Analele Stiintifice ale Universitatii "Al. I. Cuza" Iasi* XII, 65 – 70 (2004)

2. **Luminița Marin**, Vasile Cozan, “Thermotropic Polyazomethines Containing Kinking Groups”, *Memoirs of the Scientific Sections of the Romanian Academy*, Tome XXXIII, 35-56, (2010)

### g. Lucrări publicate în extenso în volume de manifestări științifice

1. **L. Marin**, V. Cozan, M. Bruma, “Comparative Study of Thermotropic Properties of New Polyazomethines Containing Sulfone Groups”, *Proceedings of 8<sup>th</sup> International Symposium on Polymers for Advanced Technologies*, Budapest, Hungary, September 2005, <http://www.e-polymers.org/PAT2005ePolymers/proceedings.htm>

2. **V. Cozan**, L. Marin, M. Bruma, “New Mesogenic Monomers for the Synthesis of Liquid Crystalline Poly(Azomethine-Ether)s”, *Proceedings of 8<sup>th</sup> International Symposium on Polymers for Advanced Technologies*, Budapest, Hungary, September 2005, <http://www.e-polymers.org/PAT2005ePolymers/proceedings.htm>

3. V. Cozan, **L. Marin**, M. Bruma, V.C. Grigoras, „A monomer containing azomethine groups: synthesis and thermotropic behavior”. Second Bilateral Symposium „*Functional Polymers*”, Potsdam, Oct. 2006, on CD

4. V. Cozan, D. Timpu, V. C. Grigoras, **L. Marin**, “Asymmetrical azomethine liquid crystals with smectic phases”. Second Bilateral Symposium „*Functional Polymers*”, Postdam, Oct. 2006, on CD

5. **L. Marin**, V. Cozan, M. Bruma, “New thermotropic poly(azomethine-sulfone)s”, *Proceedings of International Conference on Materials Science & Engineering, Bulletin of Transilvania University of Brasov, BRAMAT 2007*, vol. 4, 89-95 (2007)

6. **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)

### h. Conferințe prezentate la manifestări științifice

1. **L. Marin**, S. Destri, M. D. Damaceanu, M. Bruma, “Liquid Crystals for opto-electronic

- applications”, *3<sup>rd</sup> Bilateral Symposium on Functional Heterocyclic and Heterochain Polymers as Advanced Materials*, September 1 – 7, **2008**, Iasi, Romania, L15
2. **L. Marin**, ”Designing thermotropic liquid crystals based on fluorene, thiophene, oxadiazole and/or azomethine chromophores for opto-electronic materials”, *Second Cristofor I. Simionescu Symposium, Frontiers in Macromolecular and Supramolecular Science*, June 2 – 3, **2009**, Iasi, Romania
  3. **L. Marin**, Romania (B0079), “Designing mesomorphic polymers for optoelectronic materials”, *IUPAC 6th International Symposium on Novel Materials and Synthesis (NMS-VI) & 20th International Symposium on Fine Chemistry and Functional Polymers (FCFP-XX)*, October 10~14, **2010**, Wuhan, China
  4. **L. Marin**, ”Imino-chitosan: a Pathway toward Functional Biodynamic Materials”, *Seventh Cristofor I. Simionescu Symposium, Frontiers in Macromolecular and Supramolecular Science*, June 4 – 6, **2015**, Iasi, Romania
  5. **L. Marin**, “Chitosan – a promising work bench for obtaining dynamic materials”, The 3<sup>rd</sup> CEEP Workshop on Polymer Science (2015), Iasi (Romania), 24-26 Septembrie 2015, Plenary Lecture (L3)
  6. **L. Marin**, “Thermotropic liquid crystals designed for opto-electronic applications”, *Zilele Universitatii*, 24-25 octombrie **2008**, Iasi, Romania, C6, p.8

### **i. Comunicări prezentate la manifestări științifice**

1. **L. Marin**, V. Cozan, M. Bruma, “Comparative Study of Thermotropic Properties of New Polyazomethines Containing Sulfone Groups”, *Proceedings of 8<sup>th</sup> International Symposium on Polymers for Advanced Technologies*, Sept. **2005**, Budapest, Hungary, Compact Disk Section A.
2. **L. Marin**, V. Cozan, M. Bruma, „Polyazomethines containing sulfone groups with thermotropic liquid crystalline properties”, *EUROFET – RTN Meeting, Eindhoven*, January **2006**
3. **L. Marin**, „Thermotropic oligomers for FET applications”, *EUROFET-RTN Final Meeting, Wildau, Germany*, June **2006**
4. S. Destri, W. Porzio, **L. Marin**, M. D. Damaceanu, M. Bruma, “New thermotropic oligomers designed for FET applications”, *Romanian Conference on Advanced Materials, Bucuresti, Magurele*, sept **2006**
5. **L. Marin**, V. Cozan, M. Bruma, “New thermotropic poly(azomethine-sulfone)s”, *International Conference on Materials Science & Engineering* Febr. **2007**, Brasov, Romania
6. V. Cozan, **L. Marin**, E. Avram, “Comportement thermotrope de polysulfones aromatiques, polyazomethines et poly(azomethine-sulfone)s”, *8<sup>eme</sup> Colloque Franco-Roumain, Les polymeres : des Materiaux Fonctionnels au coeur des Nouvelles Technologies*, Grenoble, France, 26-30 Aout **2007**, C8 pag. 5.
7. **L. Marin**, V. Cozan, M. Bruma, “Thermotropic polyazomethines containing kinking groups”, *European Polymer Congress EPF-2007, Portoroz, Slovenia*, July **2007**, OC1.1.5, pag. 23.
8. D. Timpu, **L. Marin**, D. Damaceanu, Thermotropic properties of a new type of liquid crystalline polyazomethines, *6<sup>th</sup> International Symposium on Molecular Order and Mobility in Polymer Systems*, St. Petersburg, june 2-6, **2008**, O-044

9. **L. Marin**, M. Damaceanu, M. Bruma, "Thermotropic and Photoluminescent Heterocyclic Polymers", Le programme du *9eme Colloque Franco-Roumain sur les Polymères*, 27-29 Août **2009**, Alba Iulia, Roumanie
10. **L. Marin**, E. Perju, "Designing thermotropic polyazomethines based on fluorene and / or oxadiazole chromophores", *International Conference of the Chemical Societies of the South-Eastern European Countries*", Bucuresti, Romania, 15 - 17 septembrie **2010**
11. **L. Marin**, "Polimeri cu grupari cromofore proiectati pentru materiale opto-electronice", *Sesiunea stiintifica Chisinau – Iasi „Chimia fara frontiere”*, Republica Moldova, 21 - 23.11.**2010**
12. **L. Marin**, V. Dinu, E. Perju, A. Zabolica, B. C. Simionescu, "Synthesis, characterization and antimicrobial activity of Schiff base from chitosan and vanillin", *X<sup>ème</sup> Colloque Franco-Roumain sur les Polymères*, Douai, France, 6-8 Septembre **2011**, Co. 31, p.95
13. D. Timpu, E. Perju, G. Hitruc, **L. Marin**, "Properties of thin films made from new polyazomethines", *X<sup>ème</sup> Colloque Franco-Roumain sur les Polymères*, Douai, France, 6-8 septembrie **2011**, CO-18, p. 62
14. **L. Marin**, A. Zabolica, M. Sava, "New symmetric azomethinic dimer: the influence of structural heterogeneity on the liquid crystalline behavior", *Bioactive/biocompatible polymeric materials - Spring Training Course Program*; Zabrze – Polonia, 7-11 martie **2011**, p. 33
15. E. Perju, **L. Marin**, M.D. Damaceanu, M. Bruma, "Designing thermotropic polyazomethines based on fluorene and /or oxadiazole chromophores"; *Fourth Cristofor I. Simionescu Symposium, Frontiers in Macromolecular and Supramolecular Science*, May 31 – June 1, **2011**, Iasi, Romania
16. **L. Marin**, M. Barboiu, B. C. Simionescu, "Schiff Base Containing Chitosan Biopolymers", *International conference CHIMIA 2012 „New Trends in Applied Chemistry”*, 24-26 May **2012**, Ovidius University of Constanta, OA5, pg. 11
17. A.G. Zabolica, M. Sava, M. Bruma, **L. Marin**, "A new insight on polydispersity of thermotropic liquid crystalline polyazomethines", *Fifth Cristofor I. Simionescu Symposium Frontiers in Macromolecular and Supramolecular Science*, June 11-13, **2012**, Bucharest, Romania.
18. D. Ailincăi, **L. Marin**, D. Peptanariu, D. Stan, C. A. Constantinescu, M. Călin, M. Pinteală, M. D. Bărboiu, "The synthesis and characterization of a new nonviral vector for DNA delivery based on benzaldehyde, Jeffamine D and hyperbranched polyethyleneimine (PEI)", *8<sup>ème</sup> Colloque Franco – Roumain de Chimie Appliquée*, Montpellier, France, 14-17 September, **2014**.
19. D. Ailincăi, **L. Marin**, M. Mares, B. C. Simionescu, "The synthesis and characterization of new imino-chitosan biopolymeric films with antimicrobial properties", *3<sup>ème</sup> Colloque Franco-Roumain de Chimie Médicinale*, Iasi, Romania, 30-31 October, O8, pg. 36, **2014**.
20. **L. Marin**, D. Belei, C. Dumea, "Pyridine-*N*-oxide based AIE-active triazoles: synthesis, morphology and photophysical properties", *17<sup>th</sup> International Conference on Materials Science, Applied Physics and Chemistry*, June 28-29, **2015**
21. D. Ailincăi, B.C.Simionescu, **L. Marin**, "Polymer dispersed liquid crystals based on polyvinylalcohol boric acid matrix", *17<sup>th</sup> International Conference on Materials Science, Applied Physics and Chemistry*, June 28-29, **2015**
22. A. Bejan, **L. Marin**, D. Belei,"Tuning the emission colour of phenothiazine by introduction of withdrawing electron groups", *17<sup>th</sup> International Conference on Materials Science, Applied Physics and Chemistry*, June 28-29, **2015**

23. V. Cozan, **L. Marin**, V.C. Grigoras, M. L. Craus, M. Bruma, “Noi poli(azometin-sulfone) termotrope cu mezogen 4,4’-bis(4-oxibenziliden iminofenoxi)bifenil”, *Zilele Academice Ieşene* ediția a XVI-a, 3-5 octombrie **2002**, pag.5, Co.2.
24. **L. Marin**, V. Cozan, M. L. Craus, V. C. Grigoras, M. Bruma, “Noi poli(azometin-sulfone) termotrope cu mezogen oxi-bis(4-oxibenzilideniminofenilen)”, A III –a Conferinta a Facultatii de Chimie Industrială, Universitatea Tehnică “Gh. Asachi” Iasi, 13-15 noiembrie, **2002**, pag.43, nr.3.
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26. **L. Marin**, V. Cozan, “Cristale lichide azometinice. Influenta gruparii SO<sub>2</sub> asupra proprietatii de cristal lichid”, *Zilele Universitatii “Al. I. Cuza”*, Iasi, 26 – 27 octombrie **2003** pag.7, C17.
27. **L. Marin**, V. Cozan, M. Bruma, “Polieterazometine. Influenta masei moleculare asupra comportamentului termotrop”, *Zilele Academice Ieşene*, ediția a XVIII-a, 30 sept. – 2 octombrie, **2004**, Co.8, pag.10.
28. V. Cozan, M. Sava, **L. Marin**, D. Timpu, V.C. Grigoras, “*Dimeri azometina cu mezofaza smectica*”, *Zilele Academice Ieşene* ediția a XVIII-a, 30 sept. – 2 octombrie, **2004**, Co.9, pag.11.
29. **L. Marin**, “Poliiazometineteri. Relatia structura – proprietati”, *Zilele Universitatii “Al. I. Cuza”*, Iasi, 26 – 27 octombrie **2004** Co.17, pag.12.
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31. **L. Marin**, S. Destri, W. Porzio, U. Giovanella, A. Angiulli, M. D. Damaceanu, V. Cozan, M. Bruma „Thermotropic liquid crystals – field effect transistors”, *Zilele Academice Ieşene*, Iasi, 6-8 octombrie **2006**, Co6
32. D. Buiceac, V. Cozan, **L. Marin**, M. Bruma, “Precursori mezogenici azometina pentru sinteza de polimeri cu proprietati de cristale lichide termotrope” *Zilele Academice Ieşene, a XXI-a Sesiune de comunicari stiintifice a ICM Petru Poni Iasi, Progrese in Stiinta Compusilor Organici si Macromoleculari*, Iasi, 26-29 Septembrie, **2007**, Co.18, pag. V.
33. M. Ciobanu, I. Sava, V. Cozan, **L. Marin**, E. Perju, M. Bruma, Poliazometine cu grupe azo pendante. Sinteza si proprietati termotrope, A XXX-a Conferinta Nationala de Chimie, Calimanesti-Caciulata, Valcea, 8-10 Octombrie, **2008**, C.S. III.-14, pag. 24.
34. E. Perju, **L. Marin**, M. Brumă, „Caracterizarea termică și optică a unui nou sistem PDLC cu matrice polisulfonă”, *Zilele Universității „Al. I. Cuza”*, Iași, 30-31 octombrie **2009**, PO16.
35. A. Zabolica, **L. Marin**, M. Brumă, „Sinteza si mezomorfismul unui nou dimer calamitic. Influenta puritatii asupra proprietatilor de cristal lichid”, *Zilele Universității „Al. I. Cuza”*, Iași, 12-13 noiembrie **2010**, PO3.
36. E. Perju, **L. Marin**, M. Brumă, „Poliazometine mezomorfe continand grupari cromofore fluoren si/sau oxadiazol”, *Zilele Universității „Al. I. Cuza”*, Iași, 12-13 noiembrie **2010**, PO4.
37. A. G. Zabolica, M. Balan, D. Belei, M. Sava, M. Bruma, **L. Marin**; “Luminescent phenothiazine-azomethines with tuned morphology”; *Alexandru Ioan Cuza Univeristy Days October 25-27, 2012*, Iasi, Romania
38. A. Zabolica, **L. Marin**, E. Perju, M. Bruma, “Sinteza si studiul proprietatilor fotoluminescente ale unor noi poliazometine”, *Zilele Academice Ieşene, A XXIV-a Sesiune de Comunicari Stiintifice a Institutului de Chimie Macromoleculara „Petru Poni” Iași Progrese in stiinta compusilor organici si macromoleculari*, Iasi, 3-5 octombrie 2013



39. A. Bejan, D. Belei, **L. Marin**, Phenothiazine derivatives. The influence of the substituent upon optical and electrochemical properties, "Alexandru Ioan Cuza" University Days, October 31<sup>st</sup>-November 1<sup>st</sup>, 2014, SC10, pg.11

#### **j. Granturi/proiecte câștigate prin competiție**

##### **- 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 unor proiecte**

1. REGPOT-2010-1 „*Strengthening the Romanian research capacity in Multifunctional Polymeric Materials*” coordonator Dr. Valeria Harabagiu, lider al pachetului de lucru “Project Dissemination”: **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 strat-uri interpenetrante 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*”: **L. Marin**, **2016- 2011**
4. 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: **L. Marin**, 550 000 RON, **2015-2016**
5. PN-II-ID-PCCE-2011-2-0028, contract nr. 4/2012: “*Sisteme de inspirație biologica pentru entități proiectate structural și funcțional*”, coordonator Dr. Mariana Pinteala, membru in echipa: **L. Marin**, 6 999 150 RON, **2012-2015**
6. Contract cadru de prestari servicii catre S.C. HoneyWel Romania SRL, responsabil proiect Dr. Mariana Dana Damaceanu, membru 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 Bucuresti), responsabil „Petru Poni” Acad. Bogdan C. Simionescu, responsabil stiintific: **L. Marin**, 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, membru in echipa: **L. Marin**, 116 000 RON, **2007-2008**
10. Proiect CEEEX – 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, membru in echipa : **L. Marin**, 64 200 000 RON, **2006 – 2008**
11. Proiect CEEEX-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, membru in echipa: **L. Marin**, 140 000 RON, **2006 – 2008**
12. Grant CEEEX-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, membru in echipa: **L. Marin**, 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, membru in echipa: **L. Marin**, 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, membru in echipa: **L. Marin**, 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, membru in echipa: **L. Marin**, 21000 RON, **2002 - 2004**

**i. Indicele Hirsh = 13 (Martie 2016)**

**Dr. Luminita Marin,**  
Cercetător științific gradul II

*Luminita*