



INFORMAȚII PERSONALE

Luminita Marin



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Sexul F | Data nașterii 02//01//1973 | Naționalitatea Romana

EXPERIENȚA PROFESIONALĂ

- 2021 – prezent Lider Departament „Policondensare si Polimeri termostabili”
Institutul de Chimie Macromoleculara „Petru Poni”, Iasi
Management, cercetare
- 2020 – prezent Cercetator Stiintific I
Institutul de Chimie Macromoleculara „Petru Poni”, Iasi
Cercetare
- 2016-prezent Conducator Doctorat
Institutul de Chimie Macromoleculara „Petru Poni”, Iasi
Management, Cercetare
- 2015-prezent Lider de grup in cadrul departamentului „Policondensare si Polimeri termostabili”
Institutul de Chimie Macromoleculara „Petru Poni”, Iasi
Management, Cercetare
- 2015 – 2020 Cercetator Stiintific II
Institutul de Chimie Macromoleculara „Petru Poni”, Iasi
Cercetare
- 2010-2015 Cercetator Stiintific III
Institutul de Chimie Macromoleculara „Petru Poni”, Iasi
Cercetare
- 2008-2010 Cercetator Stiintific
Institutul de Chimie Macromoleculara „Petru Poni”, Iasi
Cercetare
- 2001 – 2008 Asistent Cercetare
Institutul de Chimie Macromoleculara „Petru Poni”, Iasi
Cercetare
- 1997-2001 Profesor Chimie
Scoala Feredeni-Deleni, Iasi, Romania
Activitate Didactica

EDUCAȚIE ȘI FORMARE

- 2013 Stagiul postdoctoral
Institut Européen des Membranes, Montpellier, France
Chimie covalenta dinamica
- 2011 Stagiul postdoctoral
Institut Européen des Membranes, Montpellier, France
Chimie covalenta dinamica
- 2010-2013 Stagiul postdoctoral
Institutul de Chimie Macromoleculara „Petru Poni”, Iasi
Biomateriale pe baza de chitosan, chimie covalenta dinamica
- 2007 Doctor in Chimie
Institutul de Chimie Macromoleculara „Petru Poni”, Iasi
Chimie organica si macromoleculara, cristale lichide
- 2006 Stagiul doctoral
Istituto per lo Studio delle Macromolecole, Milan, Italy
Chimie organica, compusi organici pe baza de grupari cromofore, filme subtiri
- 2002 Master in Chimie Fizica Organica
Universitatea „Al. I. Cuza”, Iasi
Chimie organica, fizico-chimia polimerilor, analiza structurala organica, chimie cuantica, chimie fizica, etc.
- 1996 Licentiat in Chimie
Universitatea „Al. I. Cuza”, Iasi
Chimie organica, chimie anorganica, chimie macromoleculara, chimie analitica, chimie fizica, chimie cuantica, chimie coloidala, biochimie, fizica (mecanica, optica, electricitate si magnetism), matematica, etc.

COMPETENTE PERSONALE

Limba maternă	Romana			
Alte limbi străine cunoscute	Engleza			
		INTELEGERE	VORBIRE	SCRIERE
		Ascultare	Citire	Participare la conversație
		Discurs oral	Discurs oral	Discurs oral
		C1	C1	C1

- Competențe de comunicare Capacitate buna de comunicare castigata in timpul activitatii de profesor, cat si prin lucrul in echipa in cadrul stagiilor doctorale/postdoctorale si prin sustinerea a mai mult de 50 conferinte/comunicari la congrese internationale si nationale si in universitati si centre de cercetare
- Competențe organizaționale/manageriale Capacitate de coordonare a activitatii unor colective, castigata in timpul coordonarii a 16 proiecte de cercetare nationale si internationale, in calitate de director/mentor/lider de grup/lider de pachet de lucru

INFORMATII SUPLIMENTARE

Publicații	Peste 120 lucrari stiinfice (peste 100 in reviste cotate ISI), carti/capitole in carti aparute in edituri nationale/internationale
Prezentări	Peste 100 de conferinte/prezentari orale la manifestari stiintifice internationale/ nationale sau in institutii de cercetare/invatamant superior
Proiecte	Membru in colective de cercetare ale unui numar mare de proiecte nationale/internationale; coordonator/director 8 proiecte nationale, 2 proiecte bilaterale, 1 proiect european; tutore 3 proiecte doctorale; lider de grup 1 proiect european; lider de pachet de lucru 1 proiect european; membru in echipa a peste 13 proiecte nationale
Distincții	Premiul Academiei Romane „Costin D. Nenitescu”, 2006; <i>Cristofor Simonescu Medal for excellence in macromolecular chemistry of the American Chemical Society in association with Romanian International Chapter</i> , 2019; Distinctia „Top 1% Reviewers for Chemistry”, for 2017, 2018, si 2019 si „Top 1% Reviewers in Cross Fields” acordata de „PUBLONS”;
Alte activitati academice	-Membru in comitetul editorial al jurnalului Polymers; -Membru in comitetul editorial al jurnalului Polysaccharides; -Referent stiintific pentru mai mult de 470 lucrari stiintifice (https://publons.com/researcher/1279610/luminita-marin/); -Membru in Comisia Stiinta Materialelelor a Consiliului National pentru Cercetare Stiintifica (2017-2019) -Membru in Comisia CHIMIE a Consiliului National pentru Atestarea Titurilor, Diplomelor si Certificatelor Universitare (2018-2020) -Schimburi interacademice cu 3 institute de cercetare (Polania, Italia, Bulgaria)
Profil scientometric	1882 citari (1378 fara autocitari) in Web of Science, Hirsh index 27, ID Researcher: F-7588-2011; orcid.org/0000-0003-3987-4912 2173 citari in Google Scholar, Hirsh index 29, i10-index 55

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Lista Publicatiilor Stiintifice

Dr. Habil. Luminita MARIN

Teza 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

Carti si capitole in carti

1. **Luminita Marin**, Ridvan Karapinar, *Polymer Dispersed Liquid Crystal Design: New Challenges and Applications*, in „Multiphase Polymer Systems”, Andreea Irina Barzic, Silvia Ioan (ed.), CRC Press Taylor Francis Group, ISBN 9781498755634 (2016)
2. **Luminita Marin**, Vasile Cozan, Elena Perju, *Thermotropic Liquid Crystalline Poly(azomethine-ether-sulfone)s. Synthesis and Properties*, in „Functional Polymeric Materials Designed for Hi-Tech Applications”, Marioara Nechifor (ed.) Transworld Research Network, ISBN 978-81-7895-448-6 (2010)
3. Vasile Cozan, Manuela Ciobanu, **Luminita Marin**, *Aromatic Copoly(Ether Sulfone)s* in „Functional Polymeric Materials Designed for Hi-Tech Applications”, Marioara Nechifor (ed.) Transworld Research Network, ISBN: 978-81-7895-448-6 (2010)
4. Vasile Cozan, **Luminita Marin**, Thermotropic Liquid Crystalline Polyazomethines in „Advances in Functional Heterochain Polymers”, Maria Cazacu (ed.), Nova Publishers Inc. New York ISBN 978-1-60456-599-7 (2008)
5. Dumitru Pavel, **Luminita Marin**, Vasile Cozan, Mihai Liviu Craus, *New Poly(Azomethine-Ether-Sulfone)s. Modification by Random Copolymerization in Advanced Research* in „Polymer Science”, Firas Awaja (ed.), Transworld Research Network, ISBN 81-7895-223-8 (2006)

6. **Luminita Marin** (ed) „*Multifunctional Dynamic Hydrogels with Controlled Morphology for Biomedical Applications*”, Tehnopress Iasi, ISBN 978-973-606-300-0 (2017)
7. **Luminita Marin** „*Supramolecular architectures based on azomethine linkage*”, Tehnopress Iasi, ISBN 978-973-606-327-7 (2017)
8. **Luminita Marin** “*Synthesis and study of new compounds with liquid crystal properties*”, Tehnopress Iasi, ISBN 978-973-702-599-9 (2008)
9. Luminita Marin, Maria Bardosova (eds) „*Functional Chitosan-Based Composites*”, mdpi, ISSN 2073-4360 (2022)

Lucrari ISI

1. Sandu Cibotaru, Valentin Nastasa, Andreea-Isabela Sandu, Andra-Cristina Bostanaru, Mihai Mares, **Luminita Marin***, Pegylation of phenothiazine – A synthetic route towards potent anticancer drugs, *Journal of Advanced Research* 37, 279-290 (2022)
2. Alexandru Anisie, Irina Rosca, Andreea-Isabela Sandu, Adrian Bele, Xinjian Cheng, **Luminita Marin***, Imination of Microporous Chitosan Fibers-A Route to Biomaterials with "On Demand" Antimicrobial Activity and Biodegradation for Wound Dressings, *Pharmaceutics*, 14, art. no. 117 (2022)
3. Roxana-Maria Amarandi, Alina Ibanescu, Eugen Carasevici, **Luminita Marin**, Brindusa Dragoi, Liposomal-Based Formulations: A Path from Basic Research to Temozolomide Delivery Inside Glioblastoma Tissue, *Pharmaceutics*, 14, art. no. 308 (2022)
4. Ramona Lungu, Maria-Alexandra Paun, Dragos Peptanariu, Daniela Ailincăi, **Luminita Marin**, Mihai-Virgil Nichita, Vladimir-Alexandru Paun, Viorel-Puiu Paun, Biocompatible Chitosan-Based Hydrogels for Bioabsorbable Wound Dressings, *Gels*, 8, 107 (2022)
5. Manuela-Maria Iftime, Irina Rosca, Andreea-Isabela Sandu, **Luminita Marin**, Chitosan crosslinking with a vanillin isomer toward self-healing hydrogels with antifungal activity, *International Journal of Biological Macromolecules* 205, 574-586 (2022)
6. Daniela Ailincăi, Irina Rosca, Simona Morariu, Liliana Mititelu-Tartau, **Luminita Marin**, Iminoboronate-chitoooligosaccharides hydrogels with strong antimicrobial activity for biomedical applications, *Carbohydrate Polymers*, 276, art. no. 118727 (2022)
7. Suyan He, **Luminita Marin**, Xinjian Cheng, Novel water soluble polymeric sensors for the sensitive and selective recognition of Fe³⁺/Fe²⁺ in aqueous media, *European Polymer Journal* 162, art. no. 110891 (2022)
8. Xinyue Jiao, **Luminita Marin**, Xinjian Cheng, Fluorescent cellulose/testing paper for the sensitive and selective recognition of explosives 2,4,6-trinitrophenol and 2,4-dinitrophenylhydrazine, *Journal of Photochemistry and Photobiology A-Chemistry*, 424, art. no. 113632 (2022)
9. Die Wang, **Luminita Marin**, Xinjian Cheng, Fluorescent chitosan-BODIPY macromolecular chemosensors for detection and removal of Hg²⁺ and Fe³⁺ ions, *International Journal of Biological Macromolecules*, 198, 194-203 (2022)
10. Alexandru Anisie, Florin Oancea, **Luminita Marin***, Electrospinning of chitosan-based nanofibers: from design to prospective applications, *Reviews in Chemical Engineering* (2021), early acces

11. Anda-Mihaela Craciun, Liliana Mititelu-Tartau, Gabriela Gavril, **Luminita Marin***, Chitosan crosslinking with pyridoxal 5-phosphate vitamer toward biocompatible hydrogels for in vivo applications, *International Journal of Biological Macromolecules*, 193, 1734-1743 (2021)
12. Kaiqi Liu, **Luminita Marin**, Li Xiao, Xinjian Cheng, Fluorescent multi-component polymer sensors for the sensitive and selective detection of Hg²⁺/Hg⁺ ions via dual mode fluorescence and colorimetry, *New Journal of Chemistry* 45, 22888-22901 (2021)
13. Bianca-Iustina Andreica, Daniela Ailincai, Andreea-Isabela Sandu, **Luminita Marin***, Amphiphilic chitosan-g-poly(trimethylene carbonate)-A new approach for biomaterials design, *International Journal of Biological Macromolecules* 193, 414-424 (2021)
14. Ramona Lungu, Alexandru Anisie, Irina Rosca, Andreea-Isabela Sandu, Daniela Ailincai, **Luminita Marin***, Double functionalization of chitosan based nanofibers towards biomaterials for wound healing, *Reactive & Functional Polymers*, 167, art. no. 105028 (2021)
15. Daniela Ailincai, **Luminita Marin**, Eco-friendly PDLC composites based on chitosan and cholesteryl acetate, *Journal of Molecular Liquids* 321, 114466 (2021)
16. **Luminita Marin**, Marcel Popa, Alexandru Anisie, Stefan-Andrei Irimiciuc, Maricel Agop, Tudor-Cristian Petrescu, Decebal Vasincu, Loredana Himiniuc, A Theoretical Model for Release Dynamics of an Antifungal Agent Covalently Bonded to the Chitosan, *Molecules* 26, 2089 (2021)
17. Suyan He, Li Xiao, **Luminita Marin**, Yike Bai, Xinjian Cheng, Fully-water-soluble BODIPY containing fluorescent polymers prepared by RAFT method for the detection of Fe³⁺ ions, *European Polymer Journal* 150, 110428 (2021)
18. Alexandru Anisie, Andra-Cristina Bostanaru, Mihai Mares, **Luminita Marin***, Imination of chitosan nanofibers in a heterogeneous system. Synthesis optimization and impact on fiber morphology, *Cellulose Chemistry and Technology* 55, 785-793 (2021)
19. Congwei Li, **Luminita Marin**, Xinjian Cheng, Chitosan based macromolecular probes for the selective detection and removal of Fe³⁺ ion, *International Journal of Biological Macromolecules* 186, 303-313 (2021)
20. Daniela Ailincai, William Porzio, Luminita Marin, Hydrogels Based on Imino-Chitosan Amphiphiles as a Matrix for Drug Delivery Systems, *Polymers* 12, 2687 (2020)
21. Andrei Bejan, Florica Doroftei, Xinjian Cheng, **Luminita Marin**, Phenothiazine-chitosan based eco-adsorbents: A special design for mercury removal and fast naked eye detection, *International Journal of Biological Macromolecules* 162, 1839-1848 (2020)
22. Sandu Cibotaru, Andreea-Isabela Sandu, Dalila Belei, **Luminita Marin**, Water soluble PEGylated phenothiazines as valuable building blocks for bio-materials, *Materials Science & Engineering C-Materials For Biological Applications* 116, 111216 (2020)
23. Bianca-Iustina Andreica, Xinjian Cheng, **Luminita Marin**, Quaternary ammonium salts of chitosan. A critical overview on the synthesis and properties generated by quaternization, *European Polymer Journal* 139, 110016 (2020)
24. **Luminita Marin**, Andrei Bejan, Sergiu Shova, Phenothiazine based co-crystals with enhanced luminescence, *Dyes and Pigments* 175, 108164 (2020)

25. Daniela Ailincăi, Liliana Mititelu-Tartau, **Luminita Marin**, Citryl-imine-PEG-ylated chitosan hydrogels - Promising materials for drug delivery applications, *International Journal of Biological Macromolecules* 162, 1323-1337 (2020)
26. Manuela-Maria Iftime, Liliana Mititelu Tartau, **Luminita Marin**, New formulations based on salicyl-imine-chitosan hydrogels for prolonged drug release, *International Journal of Biological Macromolecules* 160, 398-408 (2020)
27. Daniela Ailincăi, Gabriela Gavril, **Luminita Marin**, Polyvinyl alcohol boric acid – A promising tool for the development of sustained release drug delivery systems, *Materials Science and Engineering: C* 107, 110316 (2020)
28. Anda Mihaela Craciun, Liliana Mititelu Tartau, Mariana Pinteala, **Luminita Marin***, “Nitrosalicyl-imine-chitosan hydrogels based drug delivery systems for long term sustained release in local therapy”, *Journal of Colloid and Interface Science* 536, 196–207 (2019)
29. Daniela Ailincăi, Dragos Peptanariu, Mariana Pinteala, **Luminita Marin**, “Dynamic constitutional chemistry towards efficient nonviral vectors”, *Materials Science and Engineering: C* 94, 635-646 (2019)
30. **Luminita Marin***, Brindusa Dragoi, Nicolae Olaru, Elena Perju, Adina Coroaba, Florica Doroftei, Guido Scavia, Silvia Destri, Stephania Zappia, William Porzio, “Nanoporous furfuryl-imine-chitosan fibers as a new pathway towards eco-materials for CO₂ adsorption”, *European Polymer Journal* 120, 109214 (2019)
31. Shuangyu Xiong, **Luminita Marin***, Lian Duan, Xinjian Cheng*, “Fluorescent chitosan hydrogel for highly and selectively sensing of p-nitrophenol and 2, 4, 6-trinitrophenol” *Carbohydrate Polymers* 225, 115253 (2019)
32. Dumitru Popovici, Andrei Diaconu, Aurelian Rotaru, **Luminita Marin***, “Microwave-assisted synthesis of an alternant poly(fluorene–oxadiazole). Synthesis, properties, and white light-emitting devices”, *Polymers* 11, 1562 (2019)
33. Manuela Maria Iftime, Gabriela L. Ailiesei, Elena Ungureanu, **Luminita Marin***, “Designing chitosan based eco-friendly multifunctional soil conditioner systems with urea controlled release and water retention”, *Carbohydrate Polymers* 223, 115040 (2019)
34. Wei Sun, Qi Sun, Qiang Zhao, **Luminita Marin**, Xinjian Cheng*, “Fluorescent porous silica microspheres for highly and selectively detecting Hg²⁺ and Pb²⁺ ions and imaging in living cells”, *ACS Omega* 4, 18381-18391 (2019)
35. Pamfil, **Luminita Marin***, “Multiple bio-responsive polymer dispersed liquid crystal composites for sensing applications”, *Journal of Molecular Liquids*, 272, 572-582 (2018)
36. Andrei Bejan, Daniela Ailincăi, Bogdan C. Simionescu, **Luminita Marin***, “Chitosan hydrogelation with a phenothiazine based aldehyde – toward highly luminescent biomaterials”, *Polymer Chemistry* 9, 2359-2369, (2018)
37. Daniela Ailincăi, Liliana Tartau Mititelu, **Luminita Marin**, “Drug delivery systems based on biocompatible imino-chitosan hydrogels for local anticancer therapy”, *Drug Delivery*, 25(1), 1080-1090, (2018)
38. Andrei Bejan, **Luminita Marin***, “Phenothiazine based nanocrystals with enhanced solid state emission”, *Journal of Molecular Liquids* 265 299-306, (2018)

39. Manuela Maria Iftime, **Luminita Marin***, “Chiral betulin-imino-chitosan hydrogels by dynamic covalent sonochemistry”, *Ultrasonics Sonochemistry*, 45, 238-247, (2018)
40. Anda Mihaela Olaru, **Luminita Marin***, Simona Morariu, Gabriela Pricope, Mariana Pinteala, Liliana Tartau-Mititelu, Biocompatible chitosan based hydrogels for potential application in local tumour therapy, *Carbohydrate Polymers* 179, 59–70 (2018)
41. Bodipy-based chemosensors for highly sensitive and selective detection of Hg²⁺ ions; W. Sun, R. Chen, X. Cheng*, **L. Marin***, *New Journal of Chemistry*, 42, 19224-19231 (2018)
42. Manuela Maria Iftime, Simona Morariu, **Luminita Marin***, Salycil-imine-chitosan hydrogels: Supramolecular architecturing as a crosslinking method toward multifunctional hydrogels, *Carbohydrate Polymers*, 165, 39–50 (2017)
43. **Luminita Marin***, Andrei Bejan, Daniela Ailincăi, Dalila Belei, Poly(azomethine-phenothiazine)s with efficient emission in solid state, *European Polymer Journal* 95 127–137 (2017)
44. **Luminita Marin***, Daniela Ailincăi, Simona Morariu, Liliana Tartau-Mititelu, Development of biocompatible glycodynameric hydrogels joining two natural motifs by dynamic constitutional chemistry; *Carbohydrate Polymers*, 170, 60–71 (2017)
45. **Luminita Marin***, Sergiu Shova, Carmen Dumea, Elena Bicu, Dalila Belei, Self-assembled Triazole AIE-Active Nanofibers: Synthesis, Morphology, and Photophysical Properties, *Crystal Growth & Design*, 17, 3731–3742 (2017)
46. Daniela Ailincăi, **Luminita Marin***, Simona Morariu, Mihai Mares, Andra Cristina Bostanaru, Mariana Pinteala, Bogdan C. Simionescu, Mihai Barboiu, Dual crosslinked iminoboronate-chitosan hydrogels with strong antifungal activity against *Candida* planktonic yeasts and biofilms, *Carbohydrate Polymers* 152, 306–316 (2016)
47. **Luminita Marin**, Daniela Ailincăi, Manuela Calin, Daniela Stan, Cristina Ana Constantinescu, Laura Ursu, Florica Doroftei, Mariana Pinteala, Bogdan C. Simionescu, Mihai Barboiu, Dynameric Frameworks for DNA Transfection, *ACS Biomaterials-Science & Engineering* 2, 104–111 (2016)
48. Andrei Bejan, Sergiu Shova, Mariana Dana Damaceanu, Bogdan C. Simionescu, **Luminita Marin***, Structure-Directed Functional Properties of Phenothiazine Brominated Dyes: Morphology and Photophysical and Electrochemical Properties, *Crystal Growth & Design* 16, 3716–3730 (2016)
49. Mariana-Dana Damaceanu, Catalin-Paul Constantin, **Luminita Marin**, Insights into the effect of donor-acceptor strength modulation on physical properties of phenoxazine-based imine dyes, *Dyes & Pigments* 134, 382-396 (2016)
50. Daniela Ailincăi, Cosmin Farcau, Elena Paslaru, **Luminita Marin***, PDLC composites based on polyvinyl boric acid matrix - a promising pathway towards biomedical engineering, *Liquid Crystals*, 43, 1973-1985 (2016)
51. Daniela Ailincăi, **Luminita Marin***, Sergiu Shova, Cristina Tuchilus, Benzoate liquid crystals with direct isotropicsmectic transition and antipathogenic activity, *Comptes Rendus Chimie* 19, 556–565 (2016)
52. Elena Perju, Vasile Cozan, **Luminita Marin***, Maria Bruma, Semiflexible thermotropic

- polyazomethines based on o-dianisidine mesogenic core, *Liquid Crystals* 42, 1309–1319 (2015)
53. Mariana Dana Damaceanu, **Luminita Marin**, Structure-property relationship in fluorene-based polymer films obtained by electropolymerization of 4,4'-(9-fluorenylidene)-dianiline, *RSC Advances* 5, 97016–97026 (2015)
 54. **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)
 55. 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)
 56. Dalila Belei, Carmen Dumea, Elena Bicu, **Luminita Marin***, Phenothiazine and pyridine-N-oxide based AIE-active triazoles: synthesis, morphology and photophysical properties, *RSC Advances*, 5, 8849–8858 (2015)
 57. Elena Perju, Elena Paslaru, **Luminita Marin***, Polymer dispersed liquid crystal composites for bio-applications. Thermotropic, surface and optical properties”, *Liquid Crystals* 42, 370–382 (2015)
 58. **Luminita Marin***, Daniela Ailincăi, Mihai Mares, Elena Paslaru, Mariana Cristea, Valentin Nica, Bogdan C. Simionescu, Imino-chitosan biopolymeric films. Obtaining, self-assembling, surface and antimicrobial properties, *Carbohydrate Polymers* 117, 762–770 (2015)
 59. **Luminita Marin***, Andrei Zabulica, Ioana Andreea Moleavin, Luminescent guest–host composite films based on an azomethine dye in different matrix polymers, *Optical Materials* 38, 290–296 (2014)
 60. **Luminita Marin***, Daniela Ailincăi, Elena Paslaru, Monodisperse PDLC composites generated by use of polyvinyl alcohol boric acid as matrix, *RSC Advances* 4, 38397–38404 (2014)
 61. **Luminita Marin**, Simona Morariu, Maria Cristina Popescu, Alina Nicolescu, Cristina Zgardan, Bogdan C. Simionescu, Mihai Barboiu, Out-of-Water Constitutional Self-Organization of Chitosan–Cinnamaldehyde Dynagels, *Chemistry – A European Journal* 20, 4814–4821 (2014)
 62. Mihai Barboiu, Anca Meffre, Yves Marie Legrand, Edi Petit, **Luminita Marin**, Mariana Pinteala, Arie van der Lee, Frustrated ion-pair binding by heteroditopic macrocyclic receptors, *Supramolecular Chemistry* 26, 223–228 (2014)
 63. Andrei Zabulica, Elena Perju, Maria Bruma, **Luminita Marin***, Novel luminescent liquid crystalline polyazomethines. Synthesis and study of thermotropic and photoluminescent properties, *Liquid Crystals* 4, 252–262 (2014)
 64. **Luminita Marin***, Maria Cristina Popescu, Andrei Zabulica, Hiroshi Uji-I, Eduard Fron, Chitosan as matrix for bio-polymer dispersed liquid crystal systems, *Carbohydrate Polymers* 95, 16–24 (2013)
 65. Andrei Zabulica, Mihaela Balan, Dalila Belei, Mitica Sava, Bogdan C. Simionescu,

- Luminita Marin***, Novel luminescent phenothiazine-based Schiff bases with tuned morphology. Synthesis, structure, photophysical and thermotropic characterization, *Dyes and Pigments* 96, 686–698 (2013)
66. **Luminita Marin***, Andrei Zabolica, Mitica Sava, Symmetric Liquid Crystal Dimers Containing a Luminescent Mesogen: Synthesis, Mesomorphic Behavior, and Optical Properties, *Soft Materials* 11, 32–39 (2013)
67. **Luminita Marin**, Iuliana Stoica, Mihai Mares, Valentina Dinu, Bogdan C. Simionescu, Mihai Barboiu, Antifungal vanillin–imino-chitosan biodynamic films, *Journal of Materials Chemistry B* 27, 3353–3358 (2013)
68. **Luminita Marin**, Valeria Harabagiu, Arie van der Lee, Adina Arvinte, Mihai Barboiu, Structure-directed functional properties of symmetrical and unsymmetrical Br-substituted Schiff-bases, *Journal of Molecular Structure* 1049, 377–385 (2013)
69. **Luminita Marin**, Bogdan C. Simionescu, Mihai Barboiu, Imino-chitosan biodynamicers, *Chemical Communications*, 48, 8778–8780 (2012)
70. Mihaela Rusu, Anton Airinei, George G. Rusu, **Luminita Marin**, Vasile Cozan, Petronela Rambu, Ion Caplanus, Gheorghe 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)
71. **Luminita Marin***, Elena Perju, Mariana Dana Damaceanu, Designing thermotropic liquid crystalline polyazomethines based on fluorene and/or oxadiazole chromophores, *European Polymer Journal* 47, 1284–1299 (2011)
72. Elena Perju, **Luminita Marin**, Vasile C. Grigoras, Maria Bruma, Thermotropic and optical behaviour of new PDLC systems based on a polysulfone matrix and a cyanoazomethine liquid crystal, *Liquid Crystals* 38, 893–905 (2011)
73. **Luminita Marin***, Andrei Zabolica, Mitica Sava, New symmetric azomethinic dimer: the influence of structural heterogeneity on the liquid crystalline behavior, *Liquid Crystals* 38(4), 433–440 (2011)
74. **Luminita Marin***, Daniel Timpu, Vasile Cozan, Gheorghe I. Rusu, Anton Airinei, Solid State Properties of Thin Films of New Copoly(azomethine-sulfone)s, *Journal of Applied Polymer Science* 120, 1720–1728 (2011)
75. 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)
76. Manuela Ciobanu, **Luminita Marin**, Vasile Cozan, Maria Bruma, Aromatic polysulfones used in sensor applications, *Reviews on Advanced Materials Science* 22, 89–96 (2009)
77. **Luminita Marin***, Elena Perju, Polysulfone as polymer matrix for a novel polymer-dispersed liquid crystals system”, *Phase Transitions*, 82(7), 507–518 (2009)
78. Mariana Dana Damaceanu, **Luminita Marin**, Tomas Manicke, Maria Bruma, Solid-state properties of mesomorphic copolymers containing oxadiazole and fluorene units, *Soft Materials*, 7(3), 164–184 (2009)
79. **Luminita Marin***, Silvia Destri, William Porzio, Fabio Bertini, Synthesis and

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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 (2015), 4 – 5 June 2015, Iasi, Romania.
5. **L. Marin**, “Chitosan – a promising work bench for obtaining dynamic materials”, The 3rd CEEPN Workshop on Polymer Science, 24 – 26 Septembrie 2015, Iasi, Romania, Plenary Lecture (L3).
6. **L. Marin**, “Self-structuring of imine derivatives of chitosan - a promising pathway towards biomaterials”, EMN Meeting on Hydrogel Materials, 2017, Amsterdam, Netherlands, invited talk.

7. D. Ailincăi, **L. Marin**, M. Pinteala, M. Barboiu, “Hydrogels based on iminoboronate motif as promising materials for the treatment of Candidiasis” *EMN Meeting on Hydrogel Materials*, April 24-28, **2017**, Amsterdam, Netherlands, Invited Talk.
8. M. M. Iftime, **L. Marin**, “Supramolecular layering as an innovative method for the development of chitosan based hydrogels”, *EMN Meeting on Hydrogel Materials*, April 24-28, **2017**, Amsterdam, Netherlands, Invited Talk.
9. **L. Marin**, D. Ailincăi, B.C. Simionescu, “Chitosan hydrogelation with monoaldehydes. A straight pathway to biomaterials”, Tenth Cristofor I. Simionescu Symposium Frontiers in Macromolecular and Supramolecular Science (2015), 8 – 14 June **2018**, Iasi, Romania.
10. **L. Marin**, "Chitosan hydrogelation with monoaldehydes – A synthetic approach towards multifunctional biomaterials"; *14th IUPAC International Conference on Novel Materials and their Synthesis (NMS-XIV)*, October 21-26, **2018**, Guangzhou, China.
11. **L. Marin**, “Chitosan based hydrogels. From design to applications”, The 11th Edition of the Symposium with International Participation, *New Trends and Strategies In The Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection*, June 28-29, 2018, Timisoara, Romania

Conferinte la manifestari stiintifice nationale

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2. **L. Marin**, Self-ordering of imine units – as a new pathway of chitosan gelling; A XXXIV-a Conferinta Nationala de Chimie, **2016**, Calimanesti – Caciulata, Romania, Programme CSIII-1, pg. 22.
3. **L. Marin**, “Phenothiazine based materials for opto-electronic applications”, A XXXV-a Conferinta Nationala de Chimie, 2-5 octombrie **2018**, Călimănești-Căciulata, Vâlcea, Romania
4. **L. Marin**, “Hidrogelarea chitosanului cu monoaldehide – o strategie promitatoare pentru obtinerea de eco-materiale sustenabile”, *Zilele Academice Iesene*, Progrese in stiinta compusilor organici si macromoleculari, 2-4 Octombrie **2019**, Iasi, Romania

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2. **L. Marin**, V. Cozan, M. Bruma, „Polyazomethines containing sulfone groups with thermotropic liquid crystalline properties”, EUROFET – RTN Meeting, January **2006**, Eindhoven, Netherlands.
3. **L. Marin**, „Thermotropic oligomers for FET applications”, EUROFET-RTN Meeting, June **2006**, Wildau, Germany.

4. S. Destri, W. Porzio, **L. Marin**, M. D. Damaceanu, M. Bruma, "New thermotropic oligomers designed for FET applications", Romanian Conference on Advanced Materials, September **2006**, Magurele, Bucuresti, Romania.
5. **L. Marin**, V. Cozan, M. Bruma, "New thermotropic poly(azomethine-sulfone)s", International Conference on Materials Science & Engineering, February **2007**, Brasov, Romania.
6. V. Cozan, **L. Marin**, E. Avram, "Comportement thermotrope de polysulfones aromatiques, polyazomethines et poly(azomethine-sulfone)s", 8eme Colloque Franco-Roumain, Les polymeres : des Materiaux Fonctionnels au coeur des Nouvelles Technologies, 26 – 30 Aout **2007**, Grenoble, France, C8 pag. 5.
7. **L. Marin**, V. Cozan, M. Bruma, Thermotropic polyazomethines containing kinking groups, European Polymer Congress EPF-2007, 2-6 July **2007**, Portoroz, Slovenia, OC1.1.5, pag. 23.
8. D. Timpu, **L. Marin**, D. Damaceanu, Thermotropic properties of a new type of liquid crystalline polyazomethines, 6th International Symposium on Molecular Order and Mobility in Polymer Systems, June 2 – 6 **2008**, St. Petersburg, Russia, 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", 15 – 17 septembre **2010**, Bucuresti, Romania.
11. **L. Marin**, "Polimeri cu grupari cromofore proiectati pentru materiale opto-electronice", Sesiunea stiintifica Chisinau – Iasi „Chimia fara frontiere”, 21 – 23, **2010**, Republica Moldova.
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13. D. Timpu, E. Perju, G. Hitruc, **L. Marin**, "Properties of thin films made from new polyazomethines, Xème Colloque Franco-Roumain sur les Polymères, 6-8 septembre **2011**, Douai, France, 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, 7-11 martie **2011**, Zabrze – Polonia, 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.
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30. D. Ailincăi, **L. Marin**, D. Peptanariu, M. Pinteala, “Vecteurs non viraux bases sur des imines hydrophobes-hydrophiles a travers la chimie covalente dynamique”, 4^{eme} Colloque Franco-Roumain de Chimie Medicinale, **2017**, Iasi, Romania.

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39. **L. Marin**, D. Ailincăi, M.M. Iftime, A.M. Craciun, A. Bejan, "Chitosan hydrogelation with monoaldehydes: a new strategy to multifunctional biomaterials", *9th International Conference of the Chemical Societies of the South-East European Countries (ICOSECS 2019)*, 8-11 Mai **2019**, Targoviste, Romania.
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44. A. Anisie, M. Mariș, A.-C. Bostănar, **L. Marin**, "Fabrication of 2-formylphenylboronic acid-chitosan nanofibers and their application in wound healing", *13th Students' Congress of SCTM*, 9-21 septembrie **2019**, Skopje, Macedonia de Nord.
45. B. I. Andreica, D. Ailincăi, **L. Marin**, "Chitosan based copolymers with enhanced solubility properties", *13th Students' Congress of SCTM*, 19-21 Septembrie **2019**, Skopje, Macedonia.
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1. 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 Ieșene ediția a XVI-a, 3-5 octombrie **2002**, Iasi, Romania, pag.5, Co.2.
2. **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**, Iasi, Romania, pag.43, nr.3.
3. **L. Marin**, V. Cozan, M. Bruma, "Noi azometine simetrice cu unitati bifenil. Sinteza si comportare termica, Zilele Academice Ieșene ediția a XVII-a, 25 – 27 septembrie, **2003**, Iasi, Romania, pag., Co.20.
4. **L. Marin**, V. Cozan, "Cristale lichide azometinice. Influenta gruparii SO₂ asupra proprietatii de cristal lichid", Zilele Universitatii "Al. I. Cuza", 26 – 27 octombrie **2003**, Iasi, Romania pag.7, C17.
5. **L. Marin**, V. Cozan, M. Bruma, "Polieterazometine. Influenta masei moleculare asupra comportamentului termotrop", Zilele Academice Ieșene, ediția a XVIII-a, 30 sept. – 2 octombrie, **2004**, Iasi, Romania, Co.8, pag.10.
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7. **L. Marin**, "Poliazometineteri. Relatia structura – proprietati", Zilele Universitatii "Al. I. Cuza", 26 – 27 octombrie **2004**, Iasi, Romania, Co.17, pag.12.
8. **L. Marin**, V. Cozan, M. Bruma, "Noi poliazometin-eteri continind unitati mezogene", Zilele Academice Ieșene, 6 – 8 octombrie **2005**, Iasi, Romania, Co. 6.
9. **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 Ieșene, 6-8 octombrie **2006**, Iasi, Romania, Co6.
10. D. Buiceac, V. Cozan, **L. Marin**, M. Bruma, "Precursori mezogenici azometina pentru sinteza de polimeri cu proprietati de cristale lichide termotrope" Zilele Academice Ieșene, a XXI-a Sesiune de comunicari stiintifice a ICM Petru Poni Iasi, Progrese in Stiinta Compusilor Organici si Macromoleculari, 26-29 Septembrie **2007**, Iasi, Romania, Co.18, pag. V.

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12. E. Perju, **L. Marin**, M. Brumă, „Caracterizarea termică și optică a unui nou sistem PDLc cu matrice polisulfonă”, Zilele Universității „Al. I. Cuza”, 30-31 octombrie **2009**, Iasi, Romania, PO16.
13. 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”, 12-13 noiembrie **2010**, Iasi, Romania, PO3.
14. E. Perju, **L. Marin**, M. Brumă, „Poliazometine mezomorfe continand grupari cromofore fluoren si/sau oxadiazol”, Zilele Universității „Al. I. Cuza”, 12-13 noiembrie **2010**, Iasi, Romania, PO4.
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18. M-M. Iftime, **L. Marin**, S. Morariu, “Superporous Salicyl-Imine-Chitosan Hydrogels”, A XXXIV-a Conferinta Nationala de Chimie **2016**, Calimanesti – Caciulata, Romania, Programme CSIII-17, pg. 25.
19. D. Ailincăi, **L. Marin**, “Chitosan based hydrogels via iminoboronate motif as promising materials for the treatment of candidiasis”, A XXXIV-a Conferinta Nationala de Chimie **2016**, Calimanesti – Caciulata, Romania, Programme CSIII-11, pg. 24.
20. D. Ailincăi, **L. Marin**, “Obtinerea de hidrogeluri biocompatibile prin autoansamblarea unor amfifili pe baza de citral si chitosan”, Zilele Academice Iesene, A XXVI Sesiune de Comunicari Stiintifice a Institutului de Chimie Macromoleculara „Petru Poni” **2017**, Iasi, Romania, Co. 7.
21. M.M. Iftime, **L. Marin**, M. Cristea, “Hidrogeluri superabsorbente pe baza de imino-chitosan”, Zilele Academice Iesene, A XXVI Sesiune de Comunicari Stiintifice a Institutului de Chimie Macromoleculara „Petru Poni” **2017**, Iasi, Romania, Co. 3.
22. A. M. Olaru, **L. Marin**, S. Morariu, G. Pricope, M. Pinteala, L. Tartau-Mititelu, “Hydrogels based on chitosan and 5-nitrosalicylaldehyde with potential antitumor activity for local cancer therapy”, Chemistry Conference IasiChem2017, **2017**, Iasi, Romania, SC3.
23. M.-M. Iftime, **L. Marin**, "Chiral betulin-imine chitosan hydrogels", A XXXV-a Conferința Natională de Chimie, 2-5 octombrie **2018**, Călimănești-Căciulata.
24. D. Ailincăi, M. Pinteală, **L. Marin**, "Nonviral vectors based on dynamic hydrophilic hydrophobic imines" A XXXV-a Conferința Natională de Chimie, 2-5 octombrie **2018**, Călimănești-Căciulata.

25. M-M. Iftime, **L. Marin**, G.L. Ailiesei, "Hidrogeluri pe baza de chitosan si salicilaldehida-sisteme de eliberare controlata a ureei", A 27-a Sesiune de comunicari stiintifice „Progrese in stiinta compusilor organici si macromoleculari”, organizata in cadrul *Zilelor Academice Iesene*, 2-4 octombrie **2019**, Iasi, Romania.

Data: 04.07.2022

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