



Curriculum vitae Europass

Informații personale			
Nume / Prenume	MANAILA-MAXIMEAN DOINA LUMINITA		
Adresă(e)			
Telefon(oane)	021 4029102	Mobile:	
E-mail(uri)	doina.manaila@upb.ro		
Naționalitate(-tăți)	ROMANA		
Data nașterii			
Locul nașterii (loc, județ)	BUCURESTI		
Stare civilă			
Sex			
Experiența profesională <i>(în ordine invers cronologică)</i>			
Perioada	1986-PREZENT		
Funcția sau postul ocupat	Conducator doctorat din anul 2022, Profesor, conferentiar, sef lucrari, asistent		
Activități și responsabilități principale	<ul style="list-style-type: none">▪ Predare ore de curs si aplicatii, nivel universitar, specialitatile : Fizica, Fizica 1 si Fizica 2 - in limba franceza, Materiale pentru optoelectronica, Dispozitive optoelectronice organice, , nivel licenta, master si doctorat▪ Indrumare lucrari de licenta si master (de diploma)▪ Conducator de doctorat- Membru comisii de indrumare doctorat-Indrumare activitati cercetare in cadrul doctoratului		
Numele și adresa angajatorului	Universitatea Nationala de Stiinta si Tehnologie Politehnica Bucuresti, Facultatea de Stiinte Aplicate, Departamentul de Fizica, Scoala Doctorala de Stiinte Aplicate		
Tipul activității sau sectorul de activitate	INVATAMANT/EDUCATIE		
Perioada	2001-2003		
Funcția sau postul ocupat	Directeur de recherche associé, Chargé de recherche associé-		
Activități și responsabilități principale	Cercetari in domeniul cristalelor lichide termotrope si compozite ale acestora		
Numele și adresa angajatorului	Centre national de la recherche scientifique(CNRS), Laboratoire de Physique de la Matière Condensée UMR 6622, Université de Nice-Sophia Antipolis, Parc Valrose, 06108 Nice, France		
Tipul activității sau sectorul de activitate	CERCETARE		

Perioada	1983-1986
Funcția sau postul ocupat	Inginer/responsabil proiect/ membru in echipa de cercetare
Activități și responsabilități principale	Studii si cercetari in domeniul protectiei contra zgomotului si vibratiilor studies and researches of noise and vibration protection
Numele și adresa angajatorului	Institute of Scientific Research for Labor Protection, Bucharest, Romania Institutul de Cercetari Stiintifice pentru Protectia Muncii/ in prezent:
Tipul activității sau sectorul de activitate	Cercetare stiintifica
Perioada	1980-1983
Funcția sau postul ocupat	Inginer
Activități și responsabilități principale	CTC- Control componente electronice, teste de fiabilitate Control of electronic components, reliability tests
Numele și adresa angajatorului	Intreprinderea "Electrotehnica" Bucuresti, Romania, Laborator de fiabilitate si control calitate componente electronice
Tipul activității sau sectorul de activitate	CTC, productie
Educație și formare	
Perioada	1991-1996
Calificarea / diploma obținută	Doctoringiner in stiinte ingineresti PhD in engineering sciencies
Disciplinele principale studiate / competențe profesionale dobândite	Optica neliniara, materiale pentru optoelectronica, Laseri, Mecanica cuantica Nonlinear Optics, Materials for optoelectronics, Lasers, Quantum mechanics
Numele și tipul instituției de învățământ / furnizorului de formare	- Universitatea Politehnica din Bucuresti - University Politehnica of Bucharest
Perioada	1975-1980
Calificarea / diploma obținută	Studii de licenta/master -5 ani Licence / Diplomat engineer studies- 5 years program
Disciplinele principale studiate / competențe profesionale dobândite	Fizica si matematica avansata, Chimie, Electronica, Aparate de masura si control Advanced Physics, Advanced mathematics, Chemistry, Electronics
Numele și tipul instituției de învățământ / furnizorului de formare	Universitatea din Bucuresti, Facultatea de Fizica, specialitatea Fizica tehnologica University of Bucharest, Faculty of Physics – speciality: Technological Physics
Membru al unei Academii din România	Membru asociat Academia Oamenilor de Stiinta din Romania
Membru al unei Academii din străinătate	nu
Membru al unor organizații științifice sau profesionale	1. International Liquid Crystal Society, membru din 2000 2. European Physics Society 1999, membru 3. Societatea Romana de fizica 1999, membru 4. Centrul Gemologic Roman, Timisoara, Romania, membru, din 2022 5. SPIE 1995-2000, membru 6. Membru fondator Societatea Româna de Optoelectronica

Membru în Comitetul științific de organizare a unei manifestări științifice	1. Chair, conferința bienală: <i>International Colloquium Physics of Materials</i> , ediția a șaptea în 2022, Organizatori Universitatea Politehnică din București (UPB)/ AOSR, București, România, 2. Co-chair conferința bienală: <i>International Colloquium Physics of Materials</i> , edițiile 2010-2018, UPB-AOSR, București 3. Membru Comitet internațional, Conferința: <i>Advanced Topics on optoelectronics microtechnologies and nano technologies (ATOM-N)</i> , ediția a 10-a, (SPIE), 20-23. August 2020, Constanța, România, și ediția ATOM-N ediția a 9-a, 2018.				
Membru în Colegiul de redacție / referent al unei reviste	<p>Membru în colectivul de redacție al revistei <i>Annals – Series on Physics and Chemistry</i>, editura Academiei Oamenilor de Știință din România, bianuală, PRINT ISSN 2537 – 4761 ONLINE ISSN 2559 – 1061</p> <p>Referent reviste cotate ISI:</p> 1. <i>Journal of molecular liquids</i> , Elsevier, 0167-7322, IF: 6,6, lunar 2. <i>Nanomaterials</i> , mdpi, ISSN: 2079-4991, IF:5,7, open access 3. <i>Energies</i> , mdpi, ISSN: 1996-1073, IF:3,2, open access 4. <i>Symmetry</i> , mdpi, ISSN: 2073-8994, IF: 2,9, open access 5. <i>Crystals</i> , mdpi, ISSN: 2073-4352, IF: 2,6, open access 6. <i>Molecules</i> , mdpi, ISSN: 1420-3049, IF: 4.9, open access 7. <i>Journal of Materials Science: Materials in Electronics</i> , Springer, 1573-482X, Print ISSN, 0957-4522, IF: 2,7 8. <i>Journal of Optoelectronics and Advanced Materials (JOAM)</i> , ISSN: 1454 - 4164 9. <i>Journal of Polymer Science Part B: Polymer Physics</i> , Wiley, ISSN 0887-6266, IF:2.4 10. <i>Scientific Bulletin U.P.B.</i> , ISSN 1223-7027, IF: 0.9, trimestrial 11. <i>Chemistry - A European Journal</i> , Wiley, ISSN:1521-3765 , IF: 5 12. <i>Journal of chemistry</i> , Hindawi, ISSN: 2090-9063, IF: 3,2 13. <i>Polymer Testing</i> , ISSN 0142-9418 - Elsevier, IF: 4,9 14. <i>Frontiers in Soft Matter</i> , online, ISSN- 2813-0499, din 2022 15. <i>Heliyon</i> și altele				
PREMII INTERNAZIONALE	2020: premiul Best paper award at the Plenary section, pentru lucrarea invitată în plen „Polymer Dispersed Liquid Crystals doped with nanoparticles: electric and electro-optical properties”, at the International conference: <i>Advanced Topics on optoelectronics microtechnologies and nano technologies</i> , (SPIE), 20-23. August 2020, Constanța, România				
PREMII NATIONALE	• Premiul Constantin Miculescu al Academiei Române, pentru “Grup de lucrări asupra laserilor cu catod cavitărilor și a unor probleme de optică neliniară” pe anul 1982, (decernat București, 25 noiembrie 1983, Nr.12)				
Aptitudini și competențe personale					
Limba(i) maternă(e)	Română				
Limba(i) străină(e) cunoscută(e)					
Autoevaluare	Înțelegere		Vorbire		Scriere
<i>Nivel european (*)</i>	Ascultare	Citire	Participare la conversație	Discurs oral	Exprimare scrisă
Limba engleză	C2	C2	C2	C2	C2
Limba franceză	C2	C2	C2	C2	C2
Limba Germană	B1	B1	B1	A1	A1

Limba suedeza	A1	A1	A1	A1
	(*) Nivelul Cadrului European Comun de Referință Pentru Limbi Străine			
Competențe și abilități sociale	<ul style="list-style-type: none"> ▪ Integrare in comunitatea stiintifica internationala ▪ Interactie prietenoasa, sociabila, responsabila, precisa 			
Competențe și aptitudini organizatorice	<ul style="list-style-type: none"> ▪ Organizare/ integrare rechepe de lucru ▪ Prioritizare a actiunilor /Prioritization of tasks ▪ Integrarea echipei in contextul international 			
Competențe și aptitudini de utilizare a calculatorului	<ul style="list-style-type: none"> ▪ good command of Microsoft Office™ tools Scientific programs: Origin, LabView, Matlab 			
Competențe și aptitudini artistice	Membru organizatia "Preietenii Muzeului de Arta al Romaniei"			
Alte competențe și aptitudini	Gemolog atestat cursuri Ministerul Muncii si Ministerul Educatiei Studii de etimologie si istoria Romaniei			
Relațional	participare la evenimente sociale si culturale			
Permis(e) de conducere	B			
Informații suplimentare	Membru fondator organizatia "Salvati copiii"			
Anexe	LISTA DE LUCRĂRI ȘTIINȚIFICE			

Data completării CV: 25-09-2024

Prof.dr.ing.habil. Doina Manaila-Maximean

Manaila-Maximean Doina, Profesor

Lucrari stiintifice: 86 articole publicate in Web of Science- reviste (69) si proceedings (17)

Lucrări publicate în reviste din străinătate cotate ISI. 20 in Q1 si 10 in Q2

1. Manaila-Maximean, D., Ilis, M., Ganea, P.C., Micutz, M., Boscornea, C. and Cîrcu, V., 2024. Dielectric characterization of polymer dispersed liquid crystal film with chitosan biopolymer. *Journal of Molecular Liquids*, 393, p.123552. Q2
2. Bărar, A., Maclean, S.A., Gross, B.M., Mănăilă-Maximean, D. and Dănilă, O., 2024. Mixing Rules for Left-Handed Disordered Metamaterials: Effective-Medium and Dispersion Properties. *Nanomaterials*, 14(12), p.1056. Q2
3. Fistos, T., Fierascu, I., Manaila-Maximean, D. and Fierascu, R.C., 2024. Advancements in Stone Object Restoration Using Polymer-Inorganic Phosphate Composites for Cultural Heritage Preservation. *Polymers*, 16(14), p.2085. Q1
4. Cîrcu, V., Ganea, C.P., Secu, M., Manaila-Maximean, D., Marinescu, G.C., Popescu, R.G. and Pasuk, I., 2023. Columnar Liquid Crystals of Copper (I) Complexes with Ionic Conductivity and Solid State Emission. *Molecules*, 28(10), p.4196, Q1, DOI: [10.3390/molecules28104196](https://doi.org/10.3390/molecules28104196)
5. Fierascu, R.C., Fierascu, I., Matei, R.I. and Manaila-Maximean, D., 2023. Natural and Natural-Based Polymers: Recent Developments in Management of Emerging Pollutants. *Polymers*, 15(9), p.2063. Q1, [10.3390/polym15092063](https://doi.org/10.3390/polym15092063)
6. Cîrcu, V., Manaila-Maximean, D. and Loiko, V.A., Special Issue "Liquid Crystals 2020". *Molecules*, 28(8), p.3359. DOI: [10.3390/molecules28083359](https://doi.org/10.3390/molecules28083359) Q1
7. Frunza, I. Zgura, P.C. Ganea, V.A. Loiko, **D. Manaila-Maximean**, „Surface species of nematic mixture E7 in hard confinement: spectroscopic investigations cannot distinguish among the E7 components interacting with the support surface”, *Liquid crystals*, 2023, DOI: [10.1080/02678292.2023.2182379](https://doi.org/10.1080/02678292.2023.2182379)
8. Theodora A. Ilincă, Laura F. Chiriac, Monica Ilis, **Doina Manaila-Maximean**, Paul C. Ganea, Iuliana Pasuk, and Viorel Circu. "Effect of disubstitution pattern of the terminal alkyl chains on the mesophase of liquid crystals based on lanthanide (III) complexes: A study of the thermal, emission and dielectric behavior." *Journal of Molecular Liquids* 360 (2022): 119425. DOI: [10.1016/j.molliq.2022.119425](https://doi.org/10.1016/j.molliq.2022.119425), Q1, IF: 6,633 WOS:000840973500006
9. I. Dumitru, F.L. Chiriac, M. Ilis, I. Pasuk, **D. Manaila-Maximean**, M. Micutz, T. Staicu, V. Cîrcu, 2022. Evidence of Counterion Size Effect on the Stability of Columnar Phase of Ionic Liquid Crystals Based on Pyridinium Salts Derived from N-3, 4, 5-Tri (alkyloxy)-benzyl-4-pyridones. *Crystals*, 12(5), p.715. DOI: [10.3390/cryst12050715](https://doi.org/10.3390/cryst12050715) , Q2, IF: 2,67, WOS:000804266500001
10. Rusen, E., Diacon, A., Mitran, R.A., Dinescu, A., Nistor, C., Șomoghi, R., Boscornea, A.C. and **D. Mănăilă-Maximean**, 2022. E7 nematic liquid crystal encapsulated in a polymeric photonic crystal. *European Polymer Journal*, 175, p.111374. DOI: [10.1016/j.eurpolymj.2022.111374](https://doi.org/10.1016/j.eurpolymj.2022.111374) , Q1, IF:5,546, WOS:000818446300001
11. O.Danila, **D. Mănăilă-Maximean**, A. Bărar, V.A. Loiko, 2021. Non-Layered Gold-Silicon and All-Silicon Frequency-Selective Metasurfaces for Potential Mid-Infrared Sensing Applications. *Sensors*, 21(16), p.5600. IF:3.576, DOI: [10.3390/s21165600](https://doi.org/10.3390/s21165600) WOS:000689977700001, Q1
12. O. Danila, **D. Manaila-Maximean**, Bifunctional metamaterials in the optical regime using step-phase gradient architectures: generalized reflection and refraction considerations, *Materials*,

- april 2021, 14(9), nr.art. 2201, DOI:10.3390/ma14092201, WOS:000650541500001, Q1, IF: 3.623
13. Florentina L. Chiriac, Monica Iliș, Augustin Madalan, **Doina Manaila-Maximean**, Mihail Secu, Viorel Cîrcu, Thermal and emission properties of a series of lanthanides complexes with N-biphenyl-alkylated-4-pyridone ligands. Crystal structure of a terbium complex with N-benzyl-4-pyridone, *Molecules*, 26, Article number: 2017, an 2021, DOI: [10.3390/molecules26072017](https://doi.org/10.3390/molecules26072017), Q1, IF: 3,267
 14. **D. Manaila-Maximean**, “Effective Permittivity of a Multi-Phase System: Nanoparticle-Doped Polymer-Dispersed Liquid Crystal Films”, 2021. *Molecules*, 26(5), p.1441., DOI:[10.3390/molecules26051441](https://doi.org/10.3390/molecules26051441), WOS:000628425600001, Q1, IF: 3,267.
 15. O. Dănilă, A. Bărar, M. Vlădescu, **D. Mănăilă-Maximean**, 2021. An extended k-surface framework for electromagnetic fields in artificial media. *Materials*, 14(24), p.7842. DOI: 10.3390/ma14247842, IF: 3,748, WOS:000749910600001
 16. Constantin Paul Ganea, **Doina Manaila Maximean**, Viorel Cîrcu, “Dielectric investigations on carbon nanotubes doped polymer dispersed liquid crystal films”, 135, Article number: 797, 2020, *European Physical Journal plus*, AUTOR CORRESPONDENT, DOI: 10.1140/epjp/s13360-020-00795-w, WOS:000581548500002, Q1, FI=3.228
 17. C.P. Ganea, V. Cîrcu, **Doina Manaila Maximean**, “Effect of titanium oxide nanoparticles on the dielectric properties and ionic conductivity of a new smectic bis-imidazolium salt with dodecyl sulfate anion and cyanobiphenyl mesogenic groups”, *Journal of Molecular Liquids*, vol 314, p.113939, AUTOR CORRESPONDENT DOI:[10.1016/j.molliq.2020.113939](https://doi.org/10.1016/j.molliq.2020.113939), WOS:000580655700057, Q1, IF: 5,065
 18. V.A. Loiko, A.V. Konkolovich, A.A. Miskevich, **D. Manaila-Maximean**, O. Danila, V. Cîrcu, A. Bărar, 2020. Optical model to describe coherent transmittance of polymer dispersed liquid crystal film doped with carbon nanotubes. *Journal of Quantitative Spectroscopy and Radiative Transfer*, 245, p.106892. <https://doi.org/10.1016/j.jqsrt.2020.106892>, WOS:000534641000027, Q1, IF=3.047
 19. L. Badea, **D. Manaila-Maximean**, P. Ganea, I. Pasuk, V. Carcu, Synthesis and thermal, emission and dielectric properties of liquid crystalline Eu(III), Sm(III) and Tb(III) complexes based on mesogenic 4-pyridone ligands functionalized with cyanobiphenyl groups, *Journal of Molecular Liquids*, Volume 290, 15 September 2019, 111184, (2019), doi.org/10.1016/j.molliq.2019.111184; Q1, IF: 5,065.
 20. **D. Manaila-Maximean**, Danila, O., Almeida, P.L. and Ganea, C.P., 2018. “Electrical properties of a liquid crystal dispersed in an electrospun cellulose acetate network”. *Beilstein Journal of Nanotechnology*, 9(1), pp.155-163. IF: 3.13.
 21. **D. Manaila-Maximean**, O. Danila, C.P. Ganea, P.L. Almeida, 2018. “Filling in the voids of electrospun hydroxypropyl cellulose network: Dielectric investigations”. *The European Physical Journal Plus*, 133(4), p.159-166. IF: 1.753.
 22. **D. Manaila-Maximean**, V. Cîrcu, C.P. Ganea, 2018. “Dielectric properties of a bisimidazolium salt with dodecyl sulfate anion doped with carbon nanotubes”. *Beilstein Journal of Nanotechnology*, 9(1), pp.164-174. IF: 3.13
 23. **D. Manaila-Maximean**, “New grafted ferrite particles/liquid crystal composite under magnetic field”, *Journal of Magnetism and Magnetic Materials*, Volume 452, 15 April 2018, Pages 343-348. IF: 2.63.
 24. D. Donescu, R.C. Fierascu, M. Ghiurea, **D. Manaila-Maximean**, C.A. Nicolae, R. Somoghi, C.I. Spataru, N. Stanica, V. Raditoiu, E. Vasile, 2017. “Synthesis and magnetic properties of

- inverted core-shell polyaniline-ferrite composite". *Applied Surface Science*, 414, pp.8-17. IF: 3.387.
25. **D. Mănăilă-Maximean**, C. Cîrtoaje, O. Dănilă, D. Donescu, 2017. Novel colloidal system: Magnetite-polymer particles/ lyotropic liquid crystal under magnetic field. *Journal of Magnetism and Magnetic Materials*, 438, pp.132-137. IF: 2.63.
 26. D. Donescu, R. Somoghi, C. I. Spataru, **D. Manaila-Maximean**, D. Mihaela Panaitescu, E. Vasile, C. L. Nistor, "Hybrid polymeric latexes containing magnetite" *Colloid Polymer Science*, autor correspondent, DOI 10.1007/s00396-013-2976-z, IF: 1.536
 27. V. Circu, A. S. Mocanu, C. Rosu, **D. Manaila-Maximean**, F. Dumitrascu, "Thermal behaviour and electro-optical properties of a series of liquid crystals based on palladium complexes with mixed ligands Schiff bases and N-benzoyl thioureas", *J Therm Anal Calorim* (2012) 107:877–886, DOI 10.1007/s10973-011-1609-3, IF: 1,752.
 28. C. Roșu, **D. Manaila-Maximean**, V. Circu, Y. Molard & T. Roisnel, "Differential negative resistance in current-voltage characteristics of a new palladium(II) metallomesogen liquid crystal", *Liquid crystals Volume 38, Issue 6, June 2011*, pages 757-765, IF: 1,653.
 29. C. Rosu, **D. Manaila Maximean**, S. Kundu, P.L. Almeida, O. Danila, "Perspectives on the electrically induced properties of electrospun cellulose/liquid crystal devices", *Journal of Electrostatics*, 69, 623-630, 2011, IF: 1.078.
 30. **D. Manaila Maximean**, C Rosu, L. Frunza, P. Ganea, D.Donescu & M. Ghiurea "Investigations of Electrical and Electro-Optical Properties of Liquid Crystal/Copolymer-Clay Nanostructured Systems" *Journal: Molecular Crystals and Liquid Crystals*, Volume 546, Issue 1, June 2011, pages 143/[1613]-155/[1625]. Factor impact 0,543
 31. C. Rosu, **D. Manaila Maximean**, D. Donescu, S. Frunza, A.R. Sterian, "Influence of polarizing electric fields on the electrical and electro-optical properties of polymer-clay composite system", *Modern Physics Letters B*, 24, No.1, p. 65-73, 2010.
 32. V. Circu; **D. Manaila-Maximean**; C. Rosu; M. Ilis; Y. Molard; F. Dumitrascu, "Mesomorphic behaviour and TSDC measurements of ortho-metallated palladium(II) and platinum(II) complexes with S,O-donor co-ligands", *Liquid crystals*, vol.36, nr.2, p.123-132, 2009.
 33. **D. Manaila-Maximean**, C. Rosu, I. Zgura, L. Frunza, D. Stoenescu, "Study of ester-type liquid crystals BY TSDC and optical investigations", *Molecular Crystals Liquid Crystals*, vol 512, 158, 2009.
 34. S. Frunza, A. Schönhals, H. Goering, **D. Manaila- Maximean**, T. Beica, L. Frunza, R. Moldovan, "Dynamics of Cyanophenyl Alkylbenzoate Molecules in a Surface Layer Adsorbed onto Aerosil. I. Cyanophenyl Hexylbenzoate" *Mol. Cryst. Liq. Cryst*, Volume 495, November 2008 , pages 60/[412] - 79/[431].
 35. **D. Manaila- Maximean**, C. Rosu, D. Donescu, S. Frunza , Synthesis and electro-optical studies on composite material: functionalized copolymer particles/nematic liquid crystal, *Mol. Cryst. Liq. Cryst.*, Volume 495, November 2008 , pages 158/[510] - 168/[520]
 36. **D. Manaila Maximean**, C. Rosu, D. Donescu, S. Frunza, T. Beica , Synthesis and electro-optical studies on composite materials polymer particles/nematic liquid crystals", *Molecular Crystals and Liquid Crystals*, Volume 475 Issue 1, 209, (2007) ISSN:1542-1406print/1563-5287on line
 37. **D. Manaila- Maximean**, C. Rosu, T. Yamamoto, H. Yokoyama "Thermally Stimulated Depolarization Currents on colloidal liquid crystal composite system", *Mol. Cryst. Liq. Cryst.*, 417, 215-226, 2004. ISSN:1542-1406print/1563-5287on line
 38. **D. Manaila-Maximean**, S. Klosowicz, K.L.Czuprynski, J. M. Gilli, C. Rosu and M.

- Aleksander, "Polymer dispersed cholesteric liquid crystals reflecting in the infrared region" *Mol. Cryst. Liq. Cryst.*, 417, 199-205, 2004. ISSN:1542-1406print/1563-5287on line
39. **D. Manaila-Maximean**, G. Bossis, F. Giulieri, C. Metayer, "Study of composite system: silica colloidal particles in nematic liquid crystal", *Mol. Cryst. Liq. Cryst.*, 417, 227-233, 2004. ISSN:1542-1406print/1563-5287on line
 40. J.M. Gilli, S. Thiberge, **D. Manaila-Maximean**, "New aspect of the voltage/confinement ratio phase diagram for a confined homeotropic cholesteric" *Mol. Cryst. Liq. Cryst.*, 417, 207-213, 2004. ISSN:1542-1406print/1563-5287on line
 41. **D. Manaila-Maximean**, C. Rosu, "Influence of polarizing electric field on electrical and optical properties of PDLC films", *Mol. Cryst. Liq. Cryst.*, 413, 9-19, 2004. ISSN:1542-1406print/1563-5287on line
 42. S.J. Klosowicz, A. Walczak, E. Nowinowski-Kruszelnicki, **D. Manaila-Maximean** "Large LC droplets in polymer matrix", *Mol. Cryst. Liq. Cryst.*, 412, 453-459, 2004. ISSN:1542-1406print/1563-5287on line
 43. C. Rosu, **D. Manaila-Maximean**, S. Klosowicz, K. L. Czuprynski, R. Bena, E. Petrescu, "Thermally stimulated depolarization currents and optical transmission studies on UV cured polymer dispersed liquid crystal films", *Czech Journal of Physics*, 53, 3, 235-248, 2003. ISSN : 0011-4626,
 44. C. Rosu, **D. Manaila-Maximean**, M.H. Godinho, P.L. Almeida, "Thermally stimulated depolarization currents and optical transmission measurements on liquid crystal/cellulose derivative composite devices", *Mol. Cryst. Liq. Cryst.*, 391, 1-11, 2002. ISSN:1542-1406print/1563-5287on line
 45. C. Rosu, **D. Manaila-Maximean**, Alexander J. Paraskos, "Thermally stimulated depolarization currents and optical transmission studies on a 3,4-dicyanothiophene-based bent-rod liquid crystal", *Modern Physics Letters B*, 16, 13, 473-483, (2002). ISSN 0217-9849
 46. **D. Manaila-Maximean**, V.Hamplova, C. Rosu, M. Glogarova, S. Klosowicz, R. Bena, "Polarization studies on Stretched Polymer Dispersed Ferroelectric Liquid Crystal Films" *Mol. Cryst. Liq. Cryst.*, 366, 395-342, 2001. ISSN:1542-1406print/1563-5287on line
 47. **D. Manaila-Maximean**, R. Bena, C. Rosu, M. Furlani, "Influence of polarizing electric field on phase transition temperatures and optical transmission of PDLC films", *Mol. Cryst. Liq. Cryst.*, 365, 645-653, 2001. ISSN:1542-1406print/1563-5287on line
 48. A. Piscureanu, T. Pop, M. Dogaru, M. Piscureanu, **D. Manaila**, "Influence of nonionic surfactants on surface activity of pesticide colloidal systems", *Colloids and Surfaces A*, 178:1-3, 129-133. (2001) ISSN: 0927-7757
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