

LISTA DE LUCRARI PUBLICATE
Profesor Dr. ing. Doina Manaila-Maximean
Facultatea de Științe Aplicate, Departamentul de Fizică

I. TEZA DE DOCTORAT (T)

T1. *Doina Manaila Maximean*, “Fenomene bistabile în dispozitive optice neliniare”, Coordonator: prof.dr.ing. I.M. Popescu, 1997, Specialitatea :Științe ingineresti, Universitatea Politehnica Bucuresti.

II. CĂRȚI PUBLICATE (C)

Ca 1. *D. Manaila-Maximean*, *Physique I*, première partie, Ed. Politehnica Press, ISBN 978-973-7338-60-5, în limba franceză (2008), 155 pagini.

Ca 2. *D. Manaila Maximean*, *Physique II*, Ed. Politehnica Press, ISBN 978-606-515-065-2, în limba franceză (2009), 237 pagini.

Ca 3. *D. Manaila-Maximean*, *Elemente de Fizică Cuantică*, Editura Printech, București, ISBN:978-973-718-862-5, 2007, 170 pagini.

Ca 4. *D. Manaila-Maximean*, G. Tiriba, C. Calin, “*Fizica- vol. I*”. Editura Printech, București, ISBN 973-652-179-6, București, 2000, 315 pagini.

Ca 5. *Doina Manaila*, C. Popa, D. Popa, I.M. Popescu , *Polyglot dictionary for technics, physics, mathematics in Romanian, English, German and French*” Agora press & Alfa Publishing House, Bucharest, ISBN 973-97049-6-4 (1995), 151 pagini.

Cb

Cb 1. *Doina MĂNĂILĂ-MAXIMEAN*, Eleonora Rodica BENA, *CRISTALE LICHIDE ÎN OPTOELECTRONICĂ*, Editura Politehnica Press, ISBN 978-606-515-333-2, Bucuresti, 2011.

Cb2. *D. Manaila Maximean* , *Materiale compozite cu cristale lichide*, Editura Printech, ISBN 978-973-718-956-1, București , 2008, 150 pagini.

Cb 2. E. Bena, *D. Manaila*, C. Rosu, *Proprietati optice ale materialelor*, Editura BREN, ISBN 973-648-016-X, Bucuresti, 2002, 236 pagini.

III. ALTE MATERIALE PUBLICATE (I,D)

Lista I

I1. a.L.Fara, N. Eseanu, *D. Manaila*, “*Fizica pentru studentii universitatilor tehnice – teorie si aplicatii*”, Curtea Veche Publishing House, Bucuresti, ISBN 973 -94670, (1999), 488 pagini.

Reeditare b. *Fizică tehnică: Fundamente teoretice si aplicații*, ISBN 973-654-102-9, (2000), 496 pagini.

I2. *D. Manaila Maximean*, “*Optics - Laboratory Experiments*” (in engleza), University “Politehnica” Bucharest Publishing House, 2000, 157 pagini.

I3. R. Bena, *D. Manaila-Maximean*, “*Travaux Pratiques d’Optique*” (in franceza), University “Politehnica” Bucharest Publishing House, 2001, 127 pagini.

I4. L. Fara , *D. Manaila*, “*Solved Problems of Basic Physics*” : (in engleză) ; Polytechnic University of Bucharest Publ. House, Department of Engineering Sciences, 1996, 206 pagini.

I5. *Doina Manaila*, R. Bena “*Condensed Matter Physics, Semiconductor Physics- Laboratory Experiments*”: (în engleză). Polytechnic University of Bucharest Publ. House, Department of Engineering Sciences, 1995, 96 pagini.

I6. *Doina Manaila*, R. Bena, C. Rosu. “*Fizica Solidului, fizica semiconductorilor- Indrumar de laborator*”, University “Politehnica Bucuresti”, Catedra de Fizică. (1995), 108 pagini.

I7 P.Sterian, N. Puscas, M.Dumitru, M.Piscureanu, V. Ninulescu, *Doina Manaila* “*Problems in Physics*”: (in engleză) University “Politehnica” Bucharest Publishing House, Department of Engineering Sciences. (1995), 315 pagini

I - Culegeri și îndrumare publicate (separate în edituri cu ISBN și în tipografia locale/de instituții sau de uz intern).

IV. ARTICOLE / STUDII IN EXTENSO PUBLICATE (R,V)

RisI - Reviste de specialitate de circulație internațională cotate / indexate ISI Thomson Reuters, Web of Science (WOS)

1. O. Danila and **D. Manaila-Maximean**, 2021. Bifunctional Metamaterials Using Spatial Phase Gradient Architectures: Generalized Reflection and Refraction Considerations. *Materials*, 14(9), p.2201, DOI: 10.3390/ma14092201, Q2, IF:3,057
2. F. L. Chiriac, M. Iliș, A. Madalan, **D. Manaila-Maximean**, M. Secu, V. 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, WOS:000638732700001, **Q1**, IF: 3,267
3. **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, WOS:000628425600001, **Q1**, IF: 3,267.
4. **Doina Manaila-Maximean**, Confined liquid crystals- polymer dispersed liquid crystal films, University" Politehnica" of Bucharest Scientific Bulletin, Series A: Applied Mathematics and Physics , vol. 83, issue 1, p.271-278, 2021, WOS:000627614800025, IF: 0,619
5. C. P. Ganea, **D. Manaila Maximean**, V. Cîrcu, "Dielectric investigations on carbon nanotubes doped polymer dispersed liquid crystal films", 135, Article number: 797, 2020, *European Physical Journal plus*, AUTOR CORESPONDENT, DOI: 10.1140/epjp/s13360-020-00795-w , WOS:000581548500002, **Q1**, FI=3.228
6. C.P. Ganea, V. Cîrcu, **D. 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 CORESPONDENT DOI:10.1016/j.molliq.2020.113939, WOS:000580655700057, **Q1**, IF: 5,065
7. 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. DOI:10.1016/j.jqsrt.2020.106892, WOS:000534641000027, **Q1**, IF=3.047
8. 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:10.1016/j.molliq.2019.111184; WOS: 000483451100041; **Q1**, IF: 5,065.
9. A. Barar, **D. Manaila-Maximean**, M. Vladescu, P. Schiopu., SIMULATION OF CHARGE CARRIER TRANSPORT MECHANISMS FOR QUANTUM DOT-SENSITIZED SOLAR CELL STRUCTURES. *UNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN-SERIES A-APPLIED MATHEMATICS AND PHYSICS*, 81(3), pp.265-270, 2019. WOS:000477968300024
10. **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), DOI:10.3762/bjnano.9.18, WOS:000423189900002, pp.155-163. **Q1**, IF: 3.13.
11. **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. DOI:10.1140/epjp/i2018-11997-8; WOS:000431461800003 ; **Q1**, IF: 1.753.
12. **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, DOI:10.3762/bjnano.9.19,

WOS:000423190900001. **Q1**, IF: 3.13

13. **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, DOI:10.1016/j.jmmm.2017.12.096, WOS:000425547700051 ; **Q2**, IF: 2.63.
14. 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. **Q2**, IF: 3.387.
15. **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. DOI:10.1016/j.apsusc.2017.04.061; WOS:000402216000002, **Q2**, IF: 2.63.
16. A. Surmeian, **D. Manaila Maximean**, B. Mihalcea, O. Stoican, B. Butoi, O. Danila, P. Dinca et al. "GDOES AND GDMS ANALYTICAL SYSTEMS, EFFECTIVE TOOLS FOR CHARACTERIZATION OF CONDUCTIVE AND NONCONDUCTIVE MATERIAL SURFACES." *UNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN-SERIES A-APPLIED MATHEMATICS AND PHYSICS* 77, no. 4 (2015): 273-280. WOS:000369178600027 IF: 0,67
17. 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, 291, no. 10, p. 2345-2358, (2013), DOI:10.1007/s00396-013-2976-z, WOS:000324559200009, **Q1**, IF: 1.536
18. 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, no. 3, p. 877-886, (2011), DOI:10.1007/s10973-011-1609-3 WOS:000302703400003, IF: 1,752.
19. 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, DOI:10.1080/02678292.2011.573585, WOS:000291644600012, **Q2**, IF: 1,653.
20. 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, DOI:10.1016/j.elstat.2011.08.009, WOS:000296936700024, **Q2**, IF: 1.078.
21. **D. Manaila Maximean**, C. Rosu, O. Danila, D. Donescu, M. Ghiurea, F. Cotorobai, "Electrical Field Induced Properties of Nematic Liquid Crystal/copolymer Particles Composite", *U.P.B. Sci. Bull. Series A*, Vol. 73, Iss. 2, 2011 ISSN 1223-7027; WOS:000291565500019, FI 0.253.
22. C.P. Ganea, **D. Manaila-Maximean**, "Liquid Crystal/copolymer clay Nanostructured systems: Contribution to the Conductivity of the Electrode Polarization", *U.P.B. Sci. Bull. Series A*, VOL.73, Iss.4, 2011 ISSN 1223-7027. WOS:000299150300018, IF: 0.253.
23. A. Groza, A. Surmeian, C. Diplasu, P. Chapon, **D. Manaila Maximean**, M. Ganciu, "GD-OES and GD-MS investigations of the processes involved in the polymerization of polydimethylsiloxane in corona discharges" *U.P.B. Sci. Bull. Series A*, Vol. 73, Iss. 3, 2011; ISSN 1223-7027; WOS:000294238100012, IF: 0.253
24. **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]. DOI:10.1080/15421406.2011.571946 ; WOS:000291860300017, IF: 0,543

25. M. Ghiurea, R. Munteanu, D. Donescu, **D. Manaila-Maximean** "The interaction of Liotrope Liquid Crystals with Divinil-Benzene- Maleic Anhydride Copolymers Particles", JOAM- Rapid Communications, vol4, no.4, April **2010**, p.588-591, WOS:000277551600035.
26. 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**, DOI:10.1142/S0217984910022238; WOS:000273712300006.
27. 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**. DOI:10.1080/02678290802696173, WOS:000264269000002.
28. **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**, DOI:10.1080/15421400903050830, WOS:000271867300016.
29. C. ROȘU, **D. Manaila Maximean**. "Noise Influence on Fractal Dimension in the Process of Generation of the Julia Fractals." U.P.B. Sci. Bull., Series A, Vol. 71, Iss. 4, (**2009**), ISSN 1223-7027, WOS:000272392500013
30. 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], DOI:10.1080/15421400802430448 WOS:000262857600004.
31. **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], DOI: 10.1080/15421400802432477, WOS:000262857600011
32. **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 ; DOI:10.1080/15421400701735699, WOS:000252090600021
33. **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, DOI:10.1080/15421400490478867 , WOS:000224980500021
34. **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, DOI:10.1080/15421400490478830, WOS:000224980500019
35. **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, DOI:10.1080/15421400490478876, WOS:000224980500022
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37. **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, DOI:10.1080/15421400490432506, WOS:000222524700002

38. S.J. Klosowicz, A. Walczak, E. Nowinowski-Kruszelnicki, **D. Manaila-Maximean** “Large LC droplets in polymer matrix”, *Ml. Cryst. Liq. Cryst.*, 412, 453-459, 2004. ISSN:1542-1406print/1563-5287on line, DOI:10.1080/15421400490431976, WOS:000222524500050
39. 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, WOS:000182528800006
40. 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, **2003**. ISSN:1542-1406print/1563-5287on line, DOI:10.1080/10587250216170, WOS:000182695400001
41. C. Rosu, **D. Manaila-Maximean**, Alexander J. Paraskos, “Thermally stimulated de polarization 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, DOI:10.1142/S021798490200397X, WOS:000177568400003
42. **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, DOI:10.1080/10587250108023982, WOS:000171900100041
43. **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, DOI:10.1080/10587250108025343, WOS:000171900000069
44. 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, DOI:10.1016/S0927-7757(00)00584-7, WOS:000166400400010
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46. C. Motoc, E. Petrescu, **D. Manaila**, “A dynamical method for determining relaxation parameters and elastic constants of nematic liquid crystals”, *Modern Physics Letters B*, 14 : 4, 139-146, (**2000**). ISSN: 0217-9849, DOI:10.1142/S0217984900000203, WOS:000087197200004
47. C. Rosu, D. Manaila-Maximean, “Mechanically induced electric polarization in polymer dispersed nematic liquid crystal films”, *Mol. Cryst. Liq. Cryst.*, 351, 269-277, (**2000**). ISSN:1542-1406print/1563-5287on line, DOI:10.1080/10587250008023276, WOS:000167340700032
48. M. Sylla, **D. Manaila-Maximean**, A. M. Albu, J. Delaunay, “Synthesis, characterization and nonlinear optical properties of polymers based on colored monomers” *Polymer* 41, 10, 3507-3511, (**2000**) ISSN:0032-3861, DOI:10.1016/S0032-3861(99)00610-2, WOS:000085388300002, **Q1**
49. **D. Manaila-Maximean**, M. Furlani, R. Bena, B.E. Mellander C. Rosu, T. Pop, C. Motoc, “Phase transition investigations in polymer/liquid crystal composite materials”, *Modern Physics Letters B*, 13 : 21, 759-767 (**1999**) ISSN: 0217-9849, DOI:10.1142/S0217984999000956, WOS:000083938200005
50. **D. Manaila-Maximean**, C. Rosu, R. Bena, “Bistability and multistability in polymer-dispersed liquid crystal films, *Journal of Optical Society of America B*, 15, 12, 2975, (**1998**) ISSN: 0740-3224, DOI:10.1364/JOSAB.15.002975, WOS:000077482400019, **Q1**
51. **D. Manaila Maximean**, R. Bena, A. M. Albu, Electric and electro-optic investigations on polymer-dispersed liquid crystal

films” Modern Physics Letters B, 11, 9&10, 431-440, (1997) ISSN: 0217-9849, DOI:10.1142/S0217984997000530, WOS:A1997XK47500007

52. M. C. Penache, S. Enescu, **D. Manaila**, D. Penache, M. Ganciu, V. Zoran, I. Iovitz Popescu, “An energy dispersive absorption method for characterization of X-ray emission in repetitive pulsed discharges”, Romanian Reports in Physics, 49,1-2, 177-181, (1997) ISSN 1221-1451
53. P. Sterian, **D. Manaila Maximean**, I. M. Popescu, A. Podoleanu, “Stability conditions for the multimode cw gas laser operation, obtained by using the Lyapounov theorem”, Revue Roumaine de Physique, Academia Romana, 27 :6-7, 569-571, (1982) ISSN 1221-1451

RisB - Reviste de specialitate de circulație internațională indexate in alte Baze de Date Internationale - BDI specifice domeniului, care fac un proces de selectie a revistelor pe baza unor criterii de performanta).

RisB1. **D. Manaila**, C.Rosu, R. Bena, C. Vlaicu, E. Petrescu, C. Motoc, S. Pistrui, “*Electrical characteristics of polymer dispersed liquid crystal films*” Scientific Bulletin of Polytechnical University of Bucharest, series A, **62**, 3, 81, (2000).

RisB2. P. Sterian, A. Podoleanu, I. M. Popescu, **D. Manaila**, “*Hybrid bistable optical device in regenerative operation*” Buletin Universitatea Politehnica Bucuresti, seria “Electronica”. XLIX, 27-30 (1987).

Rns : Articole publicate in reviste de circulatie nationala recunoscute

1. Rns 3.V. Catuneanu, A. Podoleanu, **D. Manaila**, P. Sterian, “*Power stabilization of a He-Ne laser*”, “Electrotehnica, Electronica, Automatica”, Bucharest, **27**, 3, p.107-110, (1983)

Rns - Reviste de specialitate de circulație națională recunoscute de CNCIS.

Rno - Alte reviste de specialitate de circulație națională.

VisI - Volumele unor manifestări științifice internaționale recunoscute, organizate in țară și străinătate, indexate ISI

VisB - Volumele unor manifestări științifice internaționale recunoscute, organizate in țară și străinătate, indexate in Baze de Date Internationale - BDI specifice domeniului, care fac un proces de selectie a publicatiilor pe baza unor criterii de performanta.

Vi - Volumele unor manifestări științifice internaționale recunoscute, organizate in țară și străinătate;

Vn - Volumele unor manifestări științifice naționale.

Vi: Lista articolelor publicate in volumele unor manifestari stiintifice internationale recunoscute din tara si strainatate (17 indexate ISI)

Vi1. V. A. Loiko, A. Konkolovich, A. Minskovich, **D. Manaila-Maximean**, O. Danila, V. Circu, A. Barar, “Light transmission of polymer dispersed liquid crystal films doped with carbon nanotubes”, XI International Scientific Conference "FULLERENES AND NANOSTRUCTURES IN CONDENSED MEDIA", 24-26, November **2020**, Minsk, Belarus, volum proc. P.110, ISBN 978-985-7138-17-3, in rusa.

Vi2. **Doina Mănăilă-Maximean**, Paul Ganea, Valery A. Loiko, Alexander V. Konkolovich, Viorel Cîrcu, Octavian Danila, Ana Bărar, “Polymer Dispersed Liquid Crystals doped with nanoparticles: electric and electro-optical properties” (Invited), SPIE conference ATOM-N, Constanta, Romania, 20-23 August, 2020, Proceedings Volume 11718, Advanced Topics in Optoelectronics, Microelectronics and Nanotechnologies X; 117182R (2020) DOI:10.1117/12.2572104

Vi3. Theodora A. Ilincă, **Doina Manaila-Maximean**, Paul C. Ganea, Iuliana Pasuk, Viorel Cîrcu, “Polarized emission and dielectric studies of novel lanthanidomesogens based on 4-pyridone ligands”, SPIE conference ATOM-N, Constanta, Romania, 20-23 August, 2020 Proceedings Volume 11718, Advanced Topics in Optoelectronics, Microelectronics and Nanotechnologies X; 117182U (2020), DOI:[10.1117/12.2572109](https://doi.org/10.1117/12.2572109)

Vi4. Ligia Frunza, V. Florin Cotorobai, Monica Enculescu, Irina Zgura, C. Paul Ganea, Maria Birzu, **Doina Mănăilă-Maximean**, “Adsorption, wicking behavior and photodegradation tests of Rhodamine B solution upon wool substrates”, SPIE conference ATOM-N, Constanta, Romania, 20-23 August, 2020, Proceedings Volume 11718, Advanced Topics in Optoelectronics, Microelectronics and Nanotechnologies X; 117182W (2020), DOI: [10.1117/12.2572130](https://doi.org/10.1117/12.2572130)

Vi5. A. Bărar, O. Dănilă, **D. Mănăilă-Maximean**, V.A. Loiko, 2019, September. “Active Spectral Absorption Control in a Tunable Liquid Crystal/Metamaterial Structure by Polarization Plane Rotation”. In International Conference on Nanotechnologies and Biomedical Engineering (pp. 299-303). Springer, Cham., DOI:10.1007/978-3-030-31866-6_58, WOS: 000552314200058

Vi6. **D. Mănăilă Maximean**, A. Bărar, C.P. Ganea, P.L. Almeida, O. Dănilă, 2019, January. “Impedance spectroscopy and electro-optic switching times of a liquid crystal hydroxypropyl cellulose network composite”. In *Advanced Topics in Optoelectronics, Microelectronics, and Nanotechnologies IX*(Vol. 10977, p. 109770P). International Society for Optics and Photonics. (6 pages), WOS: 000458717900024

Vi7. A. Bărar, D. **Mănăilă-Maximean**, C. Boscornea, M. Vlădescu, P. Şchiopu, 2019, January. "Thermal behavior of the electrical parameters for a novel zinc derivative-based dye-sensitized solar cell". In *Advanced Topics in Optoelectronics, Microelectronics, and Nanotechnologies IX* (Vol. 10977, p. 109770Q). International Society for Optics and Photonics. (5pages) DOI:10.1117/12.2324930 WOS:000458717900025

Vi8. D. **Mănăilă-Maximean**, V. Cîrcu, P. Ganea, A. Bărar, O. Danila, T. Staicu, V.A. Loiko, A.V. Konkolovich, A.A. Miskevich, 2019, January. "Polymer dispersed liquid crystals films doped with carbon nanotubes: preparation methods". In *Advanced Topics in Optoelectronics, Microelectronics, and Nanotechnologies IX* (Vol. 10977, p. 1097702). International Society for Optics and Photonics. (10 pages), DOI:10.1117/12.2326186 WOS:000458717900001

Vi9. A. Bărar, O. Dănilă, D. **Mănăilă-Maximean**, M. Vlădescu, P. Şchiopu, 2018, May. "Stochastic modelling of hopping charge carrier transport mechanism in organic photovoltaic structures". In *Photonics for Solar Energy Systems VII* (Vol. 10688, p. 1068813). International Society for Optics and Photonics. (7 pages) DOI:10.1117/12.2306571 WOS:000453619600009

Vi10. A. Bărar, D. **Mănăilă-Maximean**, O. Dănilă, M. Vlădescu, 2016, December. "Parameter extraction of an organic solar cell using asymptotic estimation and Lambert W function". In *Advanced Topics in Optoelectronics, Microelectronics, and Nanotechnologies 2016* (pp. 1001034-1001034). International Society for Optics and Photonics. DOI:10.1117/12.2253968 WOS:000391359600112

Vi11. D. Mănăilă Maximean, O. Dănilă, B. Ştefănescu, R. Bena, C. Roşu, D. Donescu, and V. Eugeniu. "Study of a New Colloidal Composite: Polymer-Magnetite Particles/Lyotropic Liquid Crystal." In *3rd International Conference on Nanotechnologies and Biomedical Engineering*, pp. 226-229. Springer Singapore, 2016. WOS:000367995500054

Vi12. D. Manaila Maximean, 2007. Developments During the Last Two Decades in Material Science Education in Romania. *JOURNAL OF MATERIALS EDUCATION*, 29(1/2), p.165-167., Conference: Spring Meeting of the E-MRS/IUMRS/ICEM, Nice, France, 2006, Int. Council Material Education, Univ. North Texas, Denton, Texas, USA WOS: 000252259700019

Vi13. C. Rosu, D. Manaila-Maximean, J.M. Gilli, "Thermally Stimulated Depolarization Currents method for analyzing composite materials with liquid crystals", *Proceedings of The 4th International Colloquium "Mathematics in Engineering and Numerical Physics"*, October 6-8, 2006, Bucharest, Romania

Vi14. D. Manaila-Maximean, A.-M. Albu, B. Umanski, C. Rosu, R. Bena, "Polymer dispersed liquid crystal films using new polymer transformed with colored matter", *ROMOPTO 2000: Sixth Conference on Optics*, V. I. Vlad Editor, *Proceedings of SPIE*, **4430**, 554-559, (2001). *ISSN 0277-786X; ISBN 0-8194-4141-4* WOS:000171644000072

Vi 15. A.M. Albu, B. Marculescu, D. Manaila-Maximean, A. Trouillet, "Preparation of a copolymer for second order nonlinear optics", pages 59-64. *SIOEL '99: Sixth Symposium on Optoelectronics*, Necsoiu, Robu, Dumitras Editors, *Proceedings of SPIE*, **4068**, 59-64, (2000). *ISSN 0277-786X; ISBN 0-8194-4141-4* WOS:000086320700008

Vi 16. D. Manaila-Maximean, M. Furlani, R. Bena, V. Stoian and C. Rosu, "Electro-optic and phase transition studies on polymer dispersed liquid crystal films", in *SIOEL '99: Sixth Symposium on Optoelectronics*, Necsoiu, Robu, Dumitras, Editors, *Proceedings of SPIE* **4068**, 45-51, (2000). *ISSN 0277-786X; ISBN 0-8194-4141-4* WOS:000086320700006

Vi 17. M. Sylla, D. Manaila, A. M. Albu, J. Delaunay "Synthesis, and nonlinear optical properties of new polymers based on colored monomers" in *Organic Nonlinear Optical Materials*, Eich, Kuzyk, Editors, *Proceedings of SPIE*, **3796**, 183-191 (1999). *ISSN 0277-786X; ISBN 0-8194-4141-4*; WOS:000083742500020

Vi 18. **D. Manaila**, R. Bena, C. Motoc, "Electro-optical and conductive properties of a polymer dispersed liquid crystal", *Proceedings of SPIE*, 3319, 289-291, (1998) *ISSN 0277-786X; ISBN 0-8194-4141-4*; doi: 10.1117/12.301305, WOS:000072821800063

Vi 19. **D. Manaila**, C. Rosu, R. Bena, A. M. Albu, "Optical bistability using nematic liquid crystals and polymer-dispersed liquid crystal films", *Fifth Conference on Optics (ROMOPTO'97)*, Valentin Vlad, Dan C. Dumitras, Editors, *Proceedings of SPIE*, Washington, **3405**, 946-950, (1998) *ISSN 0277-786X; ISBN 0-8194-4141-4*; WOS:000075367400142

Vi 20. D. Manaila, C. Rosu, R. Bena, C. Motoc, V. Stoian, I.M. Popescu, "Methods of preparation and electro-optical properties of polymer dispersed liquid crystal", *Balkan Physics Letters, Proc. Suppl.*, 5, 1439-1442, (1997)

Vi 21. D. Manaila, C. Rosu, R. Bena, I. M. Popescu, "Optical bistability using nematic liquid crystals", *Balkan Physics Letters, Proc. Suppl.*, 5, 1435-1438, (1997)

Lista Vn

Vn1 .D. Rosu, C.Motoc, **D.Manaila**, E.Petrescu, C.Dascalu, “*The behaviour of transient currents in nematic liquid crystals*”, Electronica, calculatoare, informatica, tehnica, Lucrarile simpozionului ECIT, Pitesti, 21-22 noiembrie, vol3, pag.110-116, (1997).
Vn2. A. M. Albu, **D. Manaila**, A. Borodea, B. Marculescu, D. S. Vasilescu, “*Macromolecular structures with nonlinear optical applications: II. Synthesis of macromolecular compounds based on styren and methyl methacrylate*”, Proc. Chemical and chemical engineering conference”, **2**, p.(10)131-(10)142, Bucharest, (1997)

V. BREVETE DE INVENȚIE : B - Brevete de invenție.

B1. Brevet de invenție nr. 113 649, Titulari : **Doina Manaila Maximean**, Ana Maria Albu, Rodica Bena. Titlu : *Copolimer stiren-acrilic, procedeul de preparare, monomer colorant intermediar in sinteza copolimerului si film compozit pentru dispozitive electro-optice*

VI. CONTRACTE ȘI RAPOARTE ȘTIINȚIFICE (P,F)

P – Proiecte de cercetare-dezvoltare – inovare obtinute prin competitie, pe bază de contract/grant, in tara/strainatate (**Pn** – nationale, **Pi** - internationale).

Pi1. Responsabil partea romana: Joint Research Project : Romanian Academy – National Academy of Sciences of Belarus, Belarusian Republican Foundation for Fundamental Research; Project title: „Electro-optical study of liquid crystal composite films as photonic devices” **2018-2019** si „Investigation of the electro-optical response of polymer dispersed liquid crystals films doped with nanoparticles” **2020-2021**

Pi2. Responsabil contract UPB, partea romana: Joint Research Project, University “Politehnica” of Bucharest- Faculty of Applied Sciences – JINR Laboratory: Frank Laboratory of Neutron Physics, “Neutron methods and methodologies for the development of optoelectronic materials” contract IUCN Dubna, numar intern UPB FI 54.20.02, Cod temă 04-4-1122-2015/2020, poziția nr.58 din Ordinul nr. 269/20.05.20202020
Valoare: 3000USD

Pi3. Activitate de cercetare la nivel international:2001-2003: Director de cercetare asociat DRA, sau Responsabil cercetari asociat (CRA) Centre National de Recherche Scientifique, CNRS, Laboratoire de Physique de la Matière Condensée, Université de Nice-Sophia Antipolis, Franta, Titlul programului de cercetare : *Materiale compozite cu cristale lichide, PDLC si coloidale adaptive*. Proiect finantat de CNRS.

Pn : Contracte responsabil/director: Doina Manaila Maximean

Pn1. Director de contract prof. D. Manaila Maximean . Titlu : Studiul unor efecte magneto-optice in noi materiale compozite cristal lichid/particule din polimeri modificati cu nanoparticule magnetice sau magnetizabili - 2011
(Noi sisteme nanocompozite cu cristale lichide. Studiul proprietatilor termofizice si al raspunsului optic in camp electric si magnetic).

Nr intern FI541001, ID_123, UEFISCU/CNCSIS
Valoare : 202000 lei (48095 Euro , 4.2Lei/Euro)

Pn2. Perspective asupra efectelor campurilor electro-optice asupra compozitelor cristal lichid/polimer - 2010. UEFISCU/CNCSIS
(Noi sisteme nanocompozite cu cristale lichide. Studiul proprietatilor termofizice si al raspunsului optic in camp electric si magnetic)

Valoare : 175000 lei (41606 euro)
LICNAS_ID_123

Pn3. Studiul, obtinerea si caracterizarea unor polimeri cu grupari functionale compatibile cu cristalele lichid Faza 1-2009 FI541001
Studiul efectelor electro-optice in compozite cristal lichid/particule polimer functionalizat Faza finala 2009
LICNAS_ID_123; UEFISCU/CNCSIS

Pn4. Contract Cercetare, Catedra de Fizica , UPB

Titlu: „*Fenomene de Suprafata si organizare in sisteme disperse cu fluide anizotrope*” nr. CEx – 05 – D11 – 76/03.10.2005, consortiu

Nr. Intern UPB 18.05.11 /2.11.05

Perioada **2005-2008**, Valoare totala 210 000RON

Fazele : 1. Elaborarea si optimizarea metodelor de preparare a sistemelor disperse. Particularizare la sisteme de particule solide in fluide anizotrope dec. 2005.

2. Proprietati electro-optice ale sistemelor disperse cu fluide anizotrope, noi, **2006**.

3. Studiul comportarii dinamice a stratului de suprafata in sisteme disperse, **2007**

4. Fenomene de ordonare in sisteme disperse cu fluide anizotrope, **2008**.

Pn5. Proiect de cercetare-dezvoltare, *Obtinerea unor noi materiale compozite polimer/cristal lichid : studiul proprietatilor termofizice si aplicatii*, perioada **2001-2003**

Beneficiar CNCSIS; Valoare totala 3 ani 109 000 000 lei.

Faza 1, 30.07.2001-1.11.2001, Tema 42, Nr contract 34967/2001 Cod CNCSIS 654, valoare 36 000 000., Cod UPB 18-01-19/2001

Faza 2, Tema 81, Nr. Contract 34967/2002 Cod CNCSIS 177, valoare 30 000 000, Cod UPB 18-01-19/2002

Faza 3 Tema 80 Nr. 33552/1.07.2003, Cod CNCSIS 484, valoare 43 000 000, Cod UPB 18-03-05/2003

Pn6. D.Manaila - "*Noi materiale compozite organice cu aplicatii intransmisia optica a informatiei*" Nr. 33084/1999, tema nr.86, CNCSIS.

Pn7 . D. Manaila, - responsabil contract Romtelecom. Contract nr.91, (1998) "*Studiul experimental al unor dispozitive de comutare electro-optica cu aplicatii in telecomunicatii*"

Pn8. D. Manaila- responsabil contract, M.Ciodaru, G. Dascalescu, "*Studiul privind determinarea nivelului de zgomot si vibratii in cadrul Intreprinderii Faur*", Institutul de Cercetari stiintifice pentru Protectia Muncii- Intreprinderea Faur, Z2-1984

Coautor/ Membru in colectivul de cercetare la urmatoarele contracte

Pn9. E. Petrescu, **D. Manaila**, R. Bena, s.a., PN-2 126/14.09.2007-2009 „Tehnologii si materiale avansate pentru aplicatii in optoelectronica” (600000RON)

Pn 10. E. Petrescu, **D. Manaila**, R. Bena s.a., Proiect CEEEX 238/13.09.2006-2008 “AMS Metode de monitorizare a mediului”

Pn 11. R. Bena, C. Rosu, , **D.Manaila**, "*Studii electrice, electro-optice si tranzitii de faza I materiale compozite cristal lichid-polimer*", Contract nr. 32/1998, CNCSU, tema 213.

Pn 12. C. Rosu, R. Bena, **D. Manaila**, "*Studiul unor efecte electro-optice si magneto-optice in materiale compozite (cristal-lichid-polimeri organomagnetici)*", Contract nr. 33084/1999, tema 119, CNCSIS nr.230, 1999.

Pn 13. M.Costescu, I.Iorga, **D. Manaila**, M. Ciodaru, "*Determinarea nivelului de zgomot si vibratii la motocompresoarele Timpuri Noi*", ICSPM, contract de cercetare Z5-1984.

Pn 14. A. Fedorovici, G.Dascalescu, **D.Manaila**, "*Determinarea nivelului de zgomot si vibratii la sectia de compresoare a Intreprinderii Electroaparataj Bucuresti si realizarea atenuatoarelor de zgomot*", ICSPM, contract de cercetare Z5-1985.

Pn 15. I.M.Popescu, A. Podoleanu, **D.Manaila**, P.Sterian, M.Piscureanu, "*Studii si experimentari privind realizarea unui traductor electro-optic pentru masurarea tensiunilor mari*" contract nr. 14-7-9/31.08.1987

Pn 16. I.M. Popescu, P.Sterian, **D. Manaila**, M. Piscureanu, M. Dumitru, "*Metode experimentale in studiul interactiilor neliniare cu aplicatii in optoelectronica*" contract nr. 14-7-1/1987(UPB), 493/1987 CNST (1987-1989)

Pn 17. P. Sterian, N.Puscas, **D. Manaila**, M.Piscureanu, "*Metode de analiza a interactiilor din optica neliniara cu aplicatii in optoelectronica*", contract. Nr. 18-90-7/109.

VII. LISTA COMUNICARI STIINTIFICE LA CONFERINTE INTERNATIONALE EXTRAS

1. V.A. Loiko, A.V. Konkolovich, **D. Manaila-Maximean**, O. Danila, V. Circu, A. Barar, “Polymer dispersed Liquid Crystal Films Doped with Carbon Nanotubes: Modeling of the Electrooptical Reponse”, 17-19. martie, 2021, Magdeburg, 47th German Liquid Crystal Conference, S05/P05, pag. 54.
2. **D. Mănăilă-Maximean**, V. Cîrcu, P. C. Ganea, O. Dănilă, V. A. Loiko, A. Konkolovich, A. Miskevich, A. Bărar, “Polymer Dispersed Liquid Crystals doped with nanoparticles: electric and electro-optical properties”, International conference: Advanced Topics on optoelectronics microtechnologies and nano technologies, (SPIE), 20-23. August 2020, Constanta, Romania, *was awarded the Best paper award at the Plenary section*
3. A. Bărar, O. Dănilă, V. A. Loiko, **D. Mănăilă-Maximean**, “Ruthenium-based DSSC efficiency optimization by graphene quantum dot doping”, oral communication at International conference: Advanced Topics on optoelectronics microtechnologies and nanotechnologies, (SPIE), 20-23, August 2020, Constanta, Romania
4. V. Cîrcu, P. C. Ganea, A. Pană, **D. Manaila-Maximean**, M. Iliș, M. Micutz, M. Balasoiu, V. Bodnarchuk, “Synthesis, dielectric and X-ray diffraction studies of a new bis-imidazolium amphiphile with liquid crystalline properties”, International conference: Advanced Topics on optoelectronics microtechnologies and nano technologies, (SPIE), 20-23. August 2020, Constanta, Romania, *was awarded the Best paper award at the Oral section*
5. T. A. Ilincă, **D. Manaila-Maximean**, P. C. Ganea, I. Pasuk, V. Cîrcu, „Polarized emission and dielectric studies of novel lanthanidomesogens based on 4-pyridone ligands” accepted In Advanced Topics in Optoelectronics, Microelectronics, and Nanotechnologies X, International Society for Optics and Photonics, (SPIE), 20-23. August 2020, Constanta, Romania.
6. V. A. Loiko, A. Konkolovich, A. Minskievich, **D. Manaila-Maximean**, O. Danila, V. Circu, A. Barar, “Light transmission of polymer dispersed liquid crystal films doped with carbon nanotubes”, XI International Scientific Conference "FULLERENES AND NANOSTRUCTURES IN CONDENSED MEDIA", 24-26, November 2020, Minsk, Belarus.
7. V.A. Loiko, A.V. Konkolovich, A.A. Miskevich, **D. Manaila-Maximean**, O. Danila, V. Cîrcu, A. Bărar, C. P. Ganea, “Optical model to describe regular transmittance of polymer dispersed liquid crystal film doped with carbon nanotubes”, 15th European Conference on Liquid Crystals, June 30 - July5, Wroclaw, Polonia

8. V.A. Loiko, **D. Manaila-Maximean**, A.V. Konkolovich, O. Danila, V. Cîrcu, A. Bărar, „Transmittance of polymer dispersed liquid crystal film doped with single - and multiwall carbon nanotubes”, Eurodisplays 2019, September 16-20, 2019, Minsk, Belarus, , P-6, pag.97.
9. A. Bărar, O. Dănilă, **D. Mănăilă-Maximean**, V. A. Loiko, Active Spectral Absorption Control in a Tunable Liquid Crystal/Metamaterial Structure by Polarization Plane Rotation” 4th INTERNATIONAL CONFERENCE on Nanotechnologies and Biomedical Engineering, September 18-21, 2019, Chisinau, Republic of Moldova, oral presentation
10. **D. Manaila-Maximean**, V. Cîrcu, P. C. Ganea, A. Bărar, O. Danila, V. A. Loiko , A. V. Konkolovich, A. A. Miskevich, Polymer Dispersed Liquid Crystals films doped with carbon nanotubes - preparation methods -International conference: Advanced Topics on optoelectronics microtechnologies and nano technologies, (SPIE), 23-26. August 2018, Constanta, Romania, Plenary Invited talk
11. **D. Manaila-Maximean**, V. A. Loiko , V. Cîrcu, P. C. Ganea, A. V. Konkolovich, O. Danila, A. Bărar, „Trends in PDLC devices: carbon nanotubes doping”, International Colloquium “Physics of Materials” PM-6, 15-16 November 2018, Bucharest, Romania
12. **D. Manaila Maximean**, O. Danila, P. L. Almeida, P. Ganea, “Electric and electro-optic characterization of new cellulose electrospun polymer dispersed liquid crystal”, 14th European Conference on Liquid Crystals, 11. Applications of LCs, O102, 25-30 June, 2017, Moscow, Russia, oral
13. **D. Manaila-Maximean**, V. Cîrcu, P. Ganea, L. F. Chiriac, „Luminescent and dielectric properties of a series of lanthanide-containing liquid crystals”, 14th European Conference on Liquid Crystals, 03. Photonic, Electro- and Photo-responsive LC systems, P47, 25-30 June, 2017, Moscow, Russia
14. **D. Manaila Maximean**, C. Rosu, E. Petrescu, R. Bena, O. Danila, C. Cirtoaje, D. Donescu, E. Vasile, B. Stefanescu: Study of New Polymer Magnetite Particles/Liquid Crystal Colloidal Composite, “8th Liquid Matter Conference”, 6-10 Septembrie 2011, Viena, Austria
15. **D. Manaila Maximean**, C. Rosu, E. Petrescu, O. Danila, C. Cirtoaje, D. Donescu, E. Vasile: “Polymer-magnetite Particles/ Liquid Crystal: Study of Optical Transmission in Magnetic Field” , The 12th International Balkan Workshop on Applied Physics, 6-8 iulie 2011, Constanta, Romania.
16. **D. Manaila Maximean**, C. Rosu, D. Donescu, S. Frunza, O. Danila: “Effects induced by pre-applied electric field on liquid crystal/polymer-clay nanocomposite system”, Advanced Topics on optoelectronics microtechnologies and nano technologies ATOM-N 2010, 26-29 august, 2010, Constanta, Romania
17. **D. Manaila Maximean**, C. Rosu, P.L. Almeida, S. Kundu, O. Danila: “Electrical and Electro-optical studies on New Cellulose based Polymer Dispersed Liquid Crystal devices”, Advanced Topics on optoelectronics microtechnologies and nano technologies, ATOM-N2010, 26-29 august, 2010, Constanta, Romania, orala.
18. **D. Manaila Maximean**, C. Rosu, D. Donescu: “Electro-optical studies of LC/polymer-clay nanocomposite system”, 23rd International Liquid Crystal Conference, 11-16 iulie 2010, Cracovia, Polonia, P-3154
19. **D. Manaila Maximean**, A-M. Albu, C. Rosu, I. Ioniță: “Polymer Dispersed Liquid Crystal using azo-polymer derived of maleic anhydride (MA) copolymers”, 23rd International Liquid Crystal Conference, 11-16 iulie 2010, Cracovia, Polonia, P-3198
20. V. Cîrcu, Y. Molard , C. Rosu, **D. Manaila Maximean**, “Mesomorphic and electro-optical properties of liquid crystals based on organometallic Pd(II) and Pt(II) complexes”, Physics of Materials 2, 7-9 oct. 2010, Bucuresti, Lucrare invitata.
21. **D. Manaila Maximean**, C. Rosu, P.L.Almeida, S. Kundu, “New Cellulose based Polymer Dispersed Liquid Crystal devices”, Physics of Materials 2, 7-9 oct. 2010, Bucuresti.
22. **D. Manaila Maximean**, C. Rosu, D. Donescu, S. Frunza, P. Ganea, L. Frunza, M. Ghiurea, “Perspectives on electrically induced properties of liquid crystal/clay composites”, Physics of Materials 2, 7-9 oct. 2010, Bucuresti.
23. **D. Manaila Maximean**, A. M. Albu, C. Rosu, “PSLC with new AZO polymer materials”, Physics of Materials PM 2, 7-9 oct. 2010, Bucuresti.
24. Groza, A. Surmeian, C. Diplășu, P. Chapon, **D. Mănăilă-Maximean**, M. Ganciu, GD-OES and GD-MS investigations of the processes involved in the polymerization of polydimethylsiloxane in corona discharges, Physics of Materials 2, 7-9 oct. 2010, Bucuresti

25. C. Roşu, **D. Mănăilă-Maximean**, V. Cîrcu, "Differential negative resistance in current-voltage characteristics of new metallo-organic compounds", 6th Colloquium "Mathematics and Physics in Engineering, Numerical Physics and Complexity" (MENP-6), 7-9 oct. 2010, Bucuresti, Prezentare orală.
26. V. Carcu, **D. Manaila Maximean**, C. Rosu, A. Mocanu, M. Ilies: "Liquid crystal properties and TSDC measurements on a series of organometallic palladium and palladium complexes", Conferinta: Optics on Liquid Crystals 28.09-2.10.2009, Erice, Italia.
27. **D. Manaila Maximean**, C. Rosu, P.Almeida, S. Kundu: L'influence des champs électriques pré appliqués sur les propriétés électro-optiques des dispositifs cellulose/cristal liquide, Conférence francophone des cristaux liquides, 8-11 sept. 2009, Orsay, Paris, Franta.
28. **D. Manaila-Maximean**, C. Rosu, I. Zgura, L. Frunza, D. Stoenescu, "Study of Ester-Type Liquid Crystals by TSDC and Optical Investigations.", 22nd International Liquid Crystal Conference, June 29th - July 4th, 2008, Jeju Korea.
29. **D. Manaila Maximean**, C. Rosu, D. Donescu, S. Frunza, Synthesis and phase transition studies on composite materials polymer particles/nematic liquid crystals, EUROPEAN CONFERENCE ON LIQUID CRYSTALS, Lisabona, 2-6 IULIE 2007.
30. **D. Manaila Maximean**, C. Rosu, D. Donescu, "Influence of pre-applied electric fields on the optical transmission of polymer-clay composite system", EUROPEAN CONFERENCE ON LIQUID CRYSTALS, Lisabona, 2-6 IULIE 2007.
31. S. Frunza, A. Schönhals, H. Goering, **D. Manaila- Maximean**, T. Beica, L. Frunza, Dynamics of surface layer in systems with high silica density containing ester-type liquid crystals and aerosol", EUROPEAN CONFERENCE ON LIQUID CRYSTALS, ECLC2007, Lisabona, 2-6 IULIE 2007
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