



Curriculum vitae Europass



Informații personale	
Nume / Prenume	MANAILA-MAXIMEAN DOINA LUMINITA
Adresă(e)	STR. BARBU MUMULEANU 30-32
Telefon(oane)	021 4029102 Mobile:
E-mail(uri)	doina.manaila@upb.ro , doina.manaila@physics.pub.ro
Naționalitate(-ități)	ROMANA
Data nașterii	31.10.1956
Locul nașterii (loc, județ)	BUCUREȘTI
Stare civilă	CASĂTORITĂ
Sex	F
Experiența profesională (în ordine invers cronologică)	
Perioada	1986-PREZENT
Funcția sau postul ocupat	Professor/ assistant professor/lecturer
Activități și responsabilități principale	▪ Predare ore de curs și aplicații, nivel universitar, specialitățile : Fizică, Materiale pentru optoelectronică, Dispozitive optoelectronice organice, nivel licență - în limba franceză, master și doctorat Teaching of courses, seminars and laboratories in Physics, Materials for Optoelectronics and Liquid Crystals, Organic Electronic Devices, undergraduate (Physics -in French), master and PhD level courses ▪ Îndrumare lucrări de licență și master (de diplomă) ▪ Conducător de doctorat Supervise licence and master student final projects Supervise PhD research activity
Numele și adresa angajatorului	University Politehnica of Bucharest, Faculty of Applied Science, Physics Department
Tipul activității sau sectorul de activitate	INVATAMANT/EDUCAȚIE
Perioada	2001-2003
Funcția sau postul ocupat	Directeur de recherche associé, Chargé de recherche associé-
Activități și responsabilități principale	scientific research in the field of thermotropic liquid crystal composites
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 Engineer/ Project director/project team member
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
	Se adaugă linii suplimentare dacă este cazul
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	"Electrotehnica" Enterprise, Bucharest, Romania, Laboratory for technical and quality control
Tipul activității sau sectorul de activitate	CTC, productie
Educație și formare	<i>În ordine invers cronologică, se vor trece și cele mai importante studii post-universitare, post-doctorale, Burse studii, Stagii lucru</i>
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
Perioada	
Calificarea / diploma obținută	
Disciplinele principale studiate / competențe profesionale dobândite	
Numele și tipul instituției de învățământ / furnizorului de formare	
	Se adaugă linii suplimentare dacă este cazul

Membru al unei Academii din România	nu
Membru al unei Academii din străinătate	nu
Membru al unor organizații științifice sau profesionale	Se vor preciza: numele organizației științifice, țara, orașul, calitatea de membru și anul din care este membru 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 4. SPIE 1995-2000, membru
Membru în Comitetul științific de organizare a unei manifestări științifice	Se vor preciza: perioada, tipul manifestării, instituții organizatoare, unde a avut loc [țara, oraș] – eventual dacă a fost și conducătorul manifestării [principalul organizator] 1. Chair, conferinta bienale: <i>International Colloquium Physics of Materials</i>, editia a saptea in 2022, Organizatori Universitatea Politehnica din Bucuresti (UPB)/ AOSR, Bucuresti, Romania, 2. Co-cahir conferinta bienala: <i>International Colloquium Physics of Materials</i>, editiile 2010-2018, UPB-AOSR, Bucuresti 3. Membru Comitet international, Conferinta: Advanced Topics on optoelectronics microtechnologies and nano technologies (ATOM-N), editia a 10-a, (SPIE), 20-23. August 2020, Constanta, Romania, si editia ATOM-N editia a 9-a, 2018.
Membru in Colegiul de redacție / referent al unei reviste	Se vor preciza: titlul revistei, editura, ISSN, factor de impact al revistei, frecvența de apariție – eventual dacă conduceți chiar dvs. revista 1. Journal of molecular liquids, Elsevier, 0167-7322, IF: 6,6, lunar 2. Nanomaterials, mdpi, ISSN: 2079-4991, IF:5,7, open access 3. Energies, mdpi, ISSN: 1996-1073, IF:3,2, open access 4. Symmetry, mdpi, ISSN: 2073-8994, IF: 2,9, open access 5. Crystals, mdpi, ISSN: 2073-4352, IF: 2,6, open access 6. Molecules, mdpi, ISSN: 1420-3049, IF: 4.9, open access 7. Journal of Materials Science: Materials in Electronics, Springer, 1573-482X, Print ISSN, 0957-4522, IF: 2,7 8. Journal of Optoelectronics and Advanced Materials (JOAM), ISSN: 1454 - 4164 9. Journal of Polymer Science Part B: Polymer Physics, Wiley, ISSN 0887-6266, IF:2.4 10. Scientific Bulletin U.P.B., ISSN 1223-7027, IF: 0.9, trimestrial 11. Chemistry - A European Journal, Wiley, ISSN:1521-3765 , IF: 5 12. Journal of chemistry, Hindawi, ISSN: 2090-9063, IF: 3,2 13. Polymer Testing, ISSN 0142-9418 - Elsevier, IF: 4,9 14. Frontiers in Soft Matter, online, ISSN- 2813-0499, din 2022 si altele
PREMII INTERNATIONALE	Se vor preciza: titlul premiului, instituția care vi l-a acordat și anul premierii 1.2020: premiul Best paper award at the Plenary section, pentru lucrarea invitata in plen „Polymer Dispersed Liquid Crystals doped with nanoparticles: electric and electro-optical properties”, at the International conference: Advanced Topics on optoelectronics microtechnologies and nano technologies, (SPIE), 20-23. August 2020, Constanta, Romania
PREMII NATIONALE	Se vor preciza: titlul premiului, instituția care vi l-a acordat și anul premierii 1. Premiul Constantin Miculescu al Academiei Române, pentru “Grup de lucrări asupra laserilor cu catod cavitat 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				Sciere	
Nivel european (*)		Ascultare		Citire		Participare la conversație		Discurs oral		Exprimare scrisă	
Limba engleză		C2		C2		C2		C2		C2	
Limba franceză		C2		C2		C2		C2		C2	
Limba Germana		B1		B1		B1		A1		A1	
Limba suedeza		A1		A1		A1		A1		A1	
		(*) Nivelul Cadrului European Comun de Referință Pentru Limbi Străine									
Competențe și abilități sociale		- Integrare în comunitatea științifică internaționala (/ Scientific community integration) - Interacție prietenoasă, sociabilă, responsabilă, precisă									
Competențe și aptitudini organizatorice		- Organizare/ integrare reșchipe de lucru (Team integration skills) - Priorizare a acțiunilor /Prioritization of tasks - Integrarea echipei în contextul internațional									
Competențe și aptitudini de utilizare a calculatorului		- good command of Microsoft Office™ tools - Scientific programs: Origin, LabView, Matlab									
Competențe și aptitudini artistice		Membru organizația "Preșetenii Muzeului de Artă al României"									
Alte competențe și aptitudini		Gemolog atestat cursuri Ministerul Muncii și Ministerul Educației studii de etimologie și istoria României Etymology studies, History of Romania									
Relațional		participare la evenimente sociale și culturale									
Permis(e) de conducere		B									
Informații suplimentare		Membru fondator organizația "Salvați copiii"									
Anexe		LISTA DE LUCRĂRI ȘTIINȚIFICE MEMBRU ÎN ECHIPA DE CERCETARE în cadrul unor proiecte de cercetare									

Anexa 1

Data completării CV: 03-03-2023

A. Lista primelor lucrari citate Google

	Coordonate articol	Numar citari
1	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	25
2	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.	24
3	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.	24
4	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.	23
5	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.	23
6	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	20
7	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	20
8	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	19
9	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	18
10	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.	18
11	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.	17
12	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	17
13	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.	16

14	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	15
15	C. Roșu, D. Manaila-Maximean , V. Cîrcu, 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	14
16	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	14
17	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.	14
18	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	13
19	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	13
20	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	12
21	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	12
22	A. Bărar, D. Mănăilă-Maximean , O. Dănilă, M. Vlădescu, Parameter extraction of an organic solar cell using asymptotic estimation and Lambert W function. In Advanced Topics in Optoelectronics, Microelectronics, and Nanotechnologies VIII (Vol. 10010, p. 1001034-1001034). International Society for Optics and Photonics (SPIE), (2016), https://doi.org/10.1117/12.2253968 WOS:000391359600112	12
23	C.P. Ganea, D. Manaila-Maximean , "LIQUID CRYSTAL/COPOLYMER-CLAY NANOSTRUCTURED SYSTEMS: CONTRIBUTION TO THE CONDUCTIVITY OF THE ELECTRODE POLARIZATION. " UNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN-SERIES A-APPLIED MATHEMATICS AND PHYSICS 73, no. 4 (2011): 209-216, WOS:000299150300018	12
24	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	12
25	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 WOS:000689977700001, Q1	12
26	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	11

27	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	11
28	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	11
29	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	10
30	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.	10
31	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	9
32	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	9
33	Bărar A., Dănilă O., Mănăilă-Maximean D. , Loiko V.A. (2020) Active Spectral Absorption Control in a Tunable Liquid Crystal/Metamaterial Structure by Polarization Plane Rotation. In: Tiginyanu I., Sontea V., Railean S. (eds) 4th International Conference on Nanotechnologies and Biomedical Engineering. ICNBME 2019. IFMBE Proceedings, vol 77. Springer, Cham. https://doi.org/10.1007/978-3-030-31866-6_58 Print ISBN 978-3-030-31865-9 ; Online ISBN 978-3-030-31866-6 WOS: 000552314200058	9
34	D. Mănăilă-Maximean , V.Cîrcu, P. Ganea, A. Bărar, O. Danila, T. Staicu, V.A. Loiko, A.V. Konkolovich, A.A. Miskevich, 2018. "Polymer dispersed liquid crystals films doped with carbon nanotubes: preparation methods". In Advanced Topics in Optoelectronics, Microelectronics, and Nanotechnologies IX (Vol. 10977, p. 1097702). 10 pagini, International Society for Optics and Photonics (SPIE), (2018), https://doi.org/10.1117/12.2326186 WOS:000458717900001	8
35	C. Roșu, D.Mănăila-Maximean , R., Bena, E. Petrescu, S. Klosowicz, K.L. Czuprynski, Thermally stimulated depolarization currents and optical transmission studies on UV cured polymer dispersed liquid crystal films. Czechoslovak journal of physics, 53(3), pp.235-247, (2003) DOI: 10.1023/A:1022977014904 WOS:000182528800006	7
36	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 WOS:000580655700057	7
37	D. Donescu, R. Somoghi, C. I. Spataru, D. Manaila-Maximean , D. Mihaela Panaitescu, E. Vasile, C. L. Nistor, "Hybrid polymeric es containing magnetite" Colloid Polymer Science, autor correspondent, DOI 10.1007/s00396-013-2976-z, IF: 1.536	6
38	S. Frunza, A. Schönhals, H. Goering, D. Manaila- Maximean , T. Beica, L. Frunza, R. Moldovan, "Dynamics of Cyanophenyl Alkylbenzoate	5

	Molecules in a Surface Layer Adsorbed onto Aerosil. I. Cyanophenyl Hexylbenzoate“ Mol. Cryst. Liq. Cryst, Volume 495, November 2008 , pages 60/[412] - 79/[431].	
39	S.J. Klosowicz, A. Walczak, E. Nowinowski-Kruszelnicki, <u>D. Manaila-Maximean</u> “Large LC droplets in polymer matrix”, Ml. Cryst. Liq. Cryst., 412, 453-459, 2004. ISSN:1542-1406print/1563-5287on line	5
40	Polymer Dispersed Liquid Crystals doped with nanoparticles: electric and electro-optical properties (Invited), <u>Doina Mănăilă-Maximeana</u> , Paul Ganea, Valery A. Loiko, Alexander V. Konkolovich, Viorel Cîrcu, Octavian Danila, Ana Bărar, SPIE conference ATOM-N, Constanta, Romania, 20-23 August, 2020 Proceedings Volume 11718, Advanced Topics in Optoelectronics, Microelectronics and Nanotechnologies X; 117182R (2020) doi.org/10.1117/12.2572104 WOS:000641147900098	5
41	<u>D.Manaila-Maximean</u> , V. Hamplova, M. Glogarova, S. Klosowicz, R. Bena, Polarization studies on stretched polymer dispersed ferroelectric liquid crystal films, Molecular Crystals and Liquid Crystals Science and Technology. Section A. Molecular Crystals and Liquid Crystals, 366(1), pp.395-402, (2001), DOI:10.1080/10587250108023982, WOS:000171900100041	4
42	Florentina L. Chiriac, Monica Iliș, Augustin Madalan, <u>Doina Manaila-Maximean</u> , 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, Q1, IF: 3,267	4
43	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	4
44	Barar, A., <u>Manaila-Maximean, D.</u> , Vladescu, M. and Schiopu, P., 2019. 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. WOS:000477968300024	3
45	A. Bărar, <u>D. Mănăilă-Maximean</u> , C. Boscornea, M. Vlădescu, P. Șchiopu, “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) 5 pagini, International Society for Optics and Photonics, (2018), https://doi.org/10.1117/12.2324930 WOS:000458717900025	3
46	<u>D. Manaila Maximean</u> , C. Rosu, L. Frunza, P. Ganea, D. Donescu, M. Ghiurea. "Investigations of Electrical and Electro-Optical Properties of Liquid Crystal/Copolymer-Clay Nanostructured Systems." Molecular Crystals and Liquid Crystals, 546, no. 1 (2011): 143/[1613]-155/[1625], (2011), DOI:10.1080/15421406.2011.571946 ; WOS:000291860300017	3
47	<u>D. Manaila-Maximean</u> , A.M. Albu, B.A. Umanski, C. Rosu, R. Bena, 2001, June. Polymer-dispersed liquid crystal films using new polymer transformed with coloring matter. In ROMOPTO 2000: Sixth Conference on Optics (Vol. 4430, pp. 554-560). International Society for Optics and Photonics (SPIE), WOS:000171644000072	3
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13	2000	D. Manaila-Maximean, M. Furlani, R. Bena, V. Stoian C. Rosu. "Electro-optic and phase transition studies on polymer-dispersed liquid crystal films." In <i>SIOEL: Sixth Symposium of Optoelectronics (SPIE)</i> , 4068, pp. 45-51. International Society for Optics and Photonics, 2000, WOS:000086320700006
14	2000	Ana M. Albu, B. Marculescu, D. Manaila-Maximean, A. Trouillet. "Preparation of a copolymer for second-order nonlinear optics." In <i>SIOEL: Sixth Symposium of Optoelectronics</i> , 4068, pp. 59-64. International Society for Optics and Photonics, (2000), WOS:000086320700008
15	1999	M. Sylla, D. Manaila-Maximean, A. M. Albu, J.-J. Delaunay. "Synthesis and third-order nonlinear optical properties: study of new polymers based on colored monomers." In <i>SPIE's International Symposium on Optical Science, Engineering, and Instrumentation</i> , 3796, pp. 183-190. (1999), WOS:000083742500020
16	1998	D. Manaila-Maximean, C. Rosu, R. Bena, A. M. Albu, I. M. Popescu. "Optical bistability using nematic liquid crystals and polymer dispersed liquid crystals." In <i>Fifth Conference on Optics</i> , vol. 3405, pp. 950-954. Proc. SPIE, (1998), WOS:000075367400142
17	1997	D. Manaila-Maximean, R. Bena, C. Motoc. "Electro-optical and conductive properties of polymer/liquid crystal composite film." In <i>Liquid Crystals</i> , pp. 289-291. International Society for Optics and Photonics(SPIE), Proceedings Volume 3319, Liquid Crystals: Chemistry and Structure; (1998); doi: 10.1117/12.301305, WOS:000072821800063

D. Lucrări publicate în *Proceedings* unor conferințe naționale și internaționale necotate ISI

1. Loiko, V. A., A. V. Konkolovich, A. A. Miskevich, D. E. Nestserovich, D. Manaila-Maximean, O. Danila, V. Cîrcu, and A. Bărar. "OPTICAL MODEL TO DESCRIBE COHERENT TRANSMITTANCE AND ABSORPTANCE OF POLYMER DISPERSED LIQUID CRYSTAL FILM DOPED WITH CARBON NANOTUBES AT NORMAL INTERFACE ANCHORING.", 13th International Conference Series on Laser-light and Interactions with Particles Optical Particle, August 21-26th, 2022, Warsaw, Poland
2. 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)
3. D. Manaila, C. Rosu, R. Bena, I. M. Popescu, "Optical bistability using nematic liquid crystals", *Balkan Physics Letters, Proc. Suppl.*, 5, 1435-1438, (1997)
4. 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).
5. 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)

F. Cărți și capitole din cărți publicate la edituri de prestigiu din țară.

1. **Doina MĂNĂILĂ-MAXIMEAN**, Eleonora Rodica BENA, CRISTALE LICHIDE ÎN OPTOELECTRONICĂ, Editura Politehnica Press, ISBN 978-606-515-333-2, Bucuresti, 2011.
2. **D. Manaila Maximean**, *Materiale compozite cu cristale lichide*, Editura Printech, ISBN 978-973-718-956-1, București, 2008, 150 pagini.
3. **E. Bena, D. Manaila, C. Rosu**, *Proprietati optice ale materialelor*, Editura BREN, ISBN 973-648-016-X, Bucuresti, 2002, 236 pagini.
4. **D. Manaila-Maximean**, *Physique I*, première partie, Ed. Politehnica Press, ISBN 978-973-7338-60-5, în limba franceză (2008), 155 pagini.
5. **D. Manaila Maximean** *Physique II*, Ed. Politehnica Press, ISBN 978-606-515-065-2, în limba franceză (2009), 237 pagini.
6. **D. Manaila-Maximean**, *Elemente de Fizică Cuantică*, Editura Printech, București, ISBN:978-973-718-862-5, 2007, 170 pagini.
7. **D. Manaila-Maximean**, G. Tiriba, C. Calin, "*Fizica- vol. I*". Editura Printech, București, ISBN 973-652-179-6, București, 2000, 315 pagini.
8. **Doina Manaila**, C. Popa, D. Popa, I. M. Popescu, *Polyglot dictionary for technics, physics, mathematics in Romanian, English, German and French* Agora press & Allfa Publishing House, Bucharest, ISBN 973-97049-6-4 (1995), 151 pagini.

9 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.

H. Brevete naționale, indicând toate datele oficiale de identificare.

1. Brevet de inventie nr. 113 649/1998, Titulari : **Doina Manaila Maximean**, Ana Maria Albu, Rodica Bena.
Titlu : *Copolimer stiren-acrilic, procedeu de preparare, monomer colorant intermediar in sinteza copolimerului si film compozit pentru dispozitive electro-optice*

I. Director de proiecte internationale

		Responsabil / director proiect international	Suma lei	Echivalent euro
1	2021-2022	Joint Research Project, University “Politehnica” of Bucharest- Faculty of Applied Sciences – JINR Laboratory: Frank Laboratory of Neutron Physics, Dubna Titlu: “Neutron methods and methodologies for the development of optoelectronic materials” Cod temă 04-4-1122-2015/2020, poziția nr.58 din Ordinul nr. 269/20.05.2020, finantare 2300 USD	9900	2020
2-3	2018-2021	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 finantat cu 7000 lei si „ Investigation of the electro-optical response of polymer dispersed liquid crystals films doped with nanoparticles ” 2020-2021, Responsabil partea romana, UPB	7000 4.6 lei/ Euro	1520
4	2020	Joint Research Project, University “Politehnica” of Bucharest- Faculty of Applied Sciences – JINR Laboratory: Frank Laboratory of Neutron Physics, Dubna “ Neutron methods and methodologies for the development of optoelectronic materials ” contract IUCN Dubna 04-4-1122-2015/2020, numar intern UPB FI 54.20.02, finantare : 3000USD	12900	2670

J. Director proiecte nationale

		Responsabil / director proiect national	Suma lei	Echivalent euro
1	2011	LICNAS_ID_123: Noi sisteme nanocompozite cu cristale lichide. Studiul proprietatilor termofizice si al raspunsului optic in camp electric si magnetic Faza 1. http://www.physics.pub.ro/Cat_Fizica_1/Proiecte/site_cercetare_Prof_Doina_Manaila/index_files/detalii.htm , Responsabil contract	202000 4.2Lei/ Euro	48095
2	2010	Noi sisteme nanocompozite cu cristale lichide. Studiul proprietatilor termofizice si al raspunsului optic in camp electric si magnetic Faza 2. Responsabil contract	175000 4.2 LEI/Euro	42683

3	2009	Noi sisteme nanocompozite cu cristale lichide. Studiul proprietatilor termofizice si al raspunsului optic in camp electric si magnetic Faza 3. Responsabil contract	56250 4.2Lei/ Euro	14068
4	2005-2008	„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 210000RON, Responsabil UPB , http://lab40.infim.ro/Projects%20lab%2040/2005/CeEx/SIDISANIZ/index_ro.html	210000 3.4Ron/ euro	61760
5	2001-2003	Proiect de cercetare-dezvoltare, Obtinerea unor noi materiale compozite polimer/cristal lichid : studiul proprietatilor termofizice si aplicatii, perioada 2001-2003 Beneficiar CNCIS; Valoare totala 3 ani 109 000 000 lei. Faza 1, 30.07.2001-1.11.2001, Tema 42, Nr contract 34967/2001 Cod CNCIS 654, valoare 36 000 000., Cod UPB 18-01-19/2001 Faza 2, Tema 81, Nr. Contract 34967/2002 Cod CNCIS 177, valoare 30 000 000, Cod UPB 18-01-19/2002 Faza 3 Tema 80 Nr. 33552/1.07.2003, Cod CNCIS 484, valoare 43 000 000, Cod UPB 18-03-05/2003. Responsabil UPB	10900 3.2RON/ euro	3500
6	1999	D.Manaila - "Noi materiale compozite organice cu aplicatii intransmisia optica a informatiei" Nr. 33084/1999, tema nr.86, CNCIS. Responsabil contract	500 1.68 lei/ euro	300
7	1998	Responsabil contract Romtelecom. Contract nr.91, (1998) "Studiul experimental al unor dispozitive de comutare electro-optica cu aplicatii in telecomunicatii" 6000USD	6000\$	7000

K. Activități în cadrul AOSR

1. **D. Manaila-Maximean** - Chair (principalul organizator) al conferintei bienale: International Colloquium Physics of Materials, bienala, 2010-prezent , conferinta organizata de Asociatia Oamenilor de Stiinta din Romania si Universitatea Politehnica Bucuresti, locatie: Universitatea Politehnica Bucuresti

2. **D. Manaila-Maximean**, V. CÎRCU, ON LIQUID CRYSTALS AND LIQUID CRYSTAL DISPERSIONS, Annals of the Academy of Romanian Scientists
Series on Physics and Chemistry Sciences, Vol. 7, No. 1/2022

3. **D. Manaila-Maximean**, „A new theory on the ethymology of the name „Moldova”, Articol publicat in Annals of the AOSR, Series on History and Archeology, Vol. 6, No.2/2014

4. **D. Manaila-Maximean** et. al. „Nanoparticles Doping of Some Materials for Organic Optoelectronic Devices”, CONFERINȚA ȘTIINȚIFICĂ DE TOAMNĂ a AOSR, 2021, BUCUREȘTI, Tematica: “Tradiții și progrese în știința românească”, 18-19 noiembrie 2021, Secțiunea Știința și Tehnologia Informației

5. **D. Manaila-Maximean**, A new theory on the etymology of the name of “Moldova”, Conferinta AOSR, Secțiunea Științe Istorice și Arheologice, mai 2014, Bucuresti