

**STANDARDE MINIMALE CNATDCU Domeniu: FIZICĂ
(abilitare, CS I, profesor universitar)**

Conform Anexa nr.3 – Comisia Fizică, Standarde minimale necesare și obligatorii pentru conferirea titlurilor didactice din învățământul superior și a gradelor profesionale de cercetare-dezvoltare ORDIN nr. 6129 din 20 decembrie 2016

1. Activitate didactică și profesională

Nr. ctr.	Tipul activităților	Indicatori	Punctaj
1.	Cărți în edituri internaționale recunoscute Web of Science în calitate de autor	$A_1 = \sum_i 4/n_i^{ef}$	
2.	Capitole de cărți în edituri internaționale recunoscute Web of Science în calitate de autor/Review-uri în reviste cotate ISI	$A_2 = \sum_i 1/n_i^{ef}$	0.66
	A. C. Ianculescu, D.C. Berger, C.A. Vasilescu, M. Olariu, B.S. Vasile, L.P. Curecheriu, A. Gajovic, R. Trusca, Cap. I Incorporation mechanism and functional properties of Ce-doped BaTiO ₃ ceramics derived from nanopowders prepared by modified Pechini method, p. 13-44 in Nanoscale Ferroelectrics and Multiferroics: Key Processing and Characterization Issues, and Nanoscale Effects“, Ed. Wiley & Sons (2016)		0.16
	L. Mitoseriu, L. Curecheriu, Cap. XV. Nanostructured barium titanates ceramics: intrinsic versus extrinsic effects p. 473-501 in Nanoscale Ferroelectrics and Multiferroics: Key Processing and Characterization Issues, and Nanoscale Effects“, Ed. Wiley & Sons (2016)		0.5
3.	Cărți în edituri internaționale recunoscute Web of Science în calitate de editor	$A_3 = \sum_i 0.5/n_i^{ef}$	
4.	Cărți, manual, îndrumare de laborator în edituri naționale sau alte edituri internaționale ca autor, note interne, prezentări susținute pentru aprobarea analizelor de date în cadrul colaborărilor mari	$A_4 = \sum_i 0.5/n_i^{ef}$	
5.	Capitole de cărți în edituri naționale sau alte edituri internaționale ca autor	$A_5 = \sum_i 0.2/n_i^{ef}$	
6.	Lucrări în extenso (cel puțin 3 pagini) publicate în Proceedings-uri indexate ISI	$A_6 = \sum_i 0.2/n_i^{ef}$	
7.	Brevete de invenție internaționale acordate	$A_7 = \sum_i 3/n_i^{ef}$	
8.	Brevete de invenție naționale acordate	$A_8 = \sum_i 0.5/n_i^{ef}$	0.3
	A.C. Ianculescu, L. Mitoseriu, L.P. Curecheriu, F.M. Tufescu, F. Tufescu, Procedeu de obtinere a unui material ceramic de tip BST, nr. 125528/28.12.2012		0.1

	A.C. Ianculescu, L. Mitoseriu, L.P. Curecheriu, F.M. Tufescu, F. Tufescu, Metoda de masurare a tunabilitatii pentru materialele ceramice, nr. 125567/30.05.2011		0.1
	A.C. Ianculescu, L. Mitoseriu, L.P. Curecheriu, F.M. Tufescu, F. Tufescu, Dispozitiv pentru masurarea tensiunilor electrice inalte prin separare galvanica, nr. 125566/30.05.2011		0.1
9.	Director/responsabil/coordinator pentru programe de studii, programe de formare continua, proiecte educative și proiecte de infrastructură (proiectele de cercetare se exclude)	$A_9 = \sum_i 0.5$	
10.	Director/responsabil pentru proiecte de cercetare în valoare V_i euro câștigate prin competiție națională sau internațională (proiectele de la punctul 9 se exclud). Sumele în lei sau în alte valute se convertesc în euro la cursul mediu din anul respective conform www.bnr.ro pentru perioada de după 1999 și la cursul din 1999 pentru perioada anterioară. Responsabilii de proiect sunt cei care conduc o echip de cercetare, fiind menționați ca atare în proiectul depus; în cazul lor se consider doar suma aferentă echipei conduse.	$A_{10} = \sum_i V_i / 100.000$	2.80
	Proprietăți dependente de scală în ceramicele piezoelectrice fără plumb”, PN-III-P1-1.1-TE-2016-1951, contract 22/02.05.2018, 2018-2020, 450.000 RON ~96.000 euro		0.96
	Engineered polymeric composites for flexible electronics, Bursa L'Oreal-UNESCO For Women in Science 2017, 42.000 RON~ 9.000 euro		0.09
	Studiul proprietăților neliniare în sisteme relaxoare fără plumb, Grant intern: GI-2014-03, 2015, 20.000 RON~ 4.500 euro		0.04
	Investigation of the mesoscopic polar order and size effects in driving polarization mechanisms of tunability in perovskites, PNII-RU-TE-2012-3-0150, contract nr. 24/26.04.2013, 2013-2016, 645.833 RON ~ 145.000 euro		1.45
	Contributii la studiul unor fenomene neliniare in feroelectricii ceramici, PNII-RU-TD-2007-212, contract nr. 426/1.10.2007, 2007-2009, 39.794 RON ~ 12.000 euro		0.12
	Contributii la studiul unor fenomene neliniare in feroelectricii ceramici, BD 72/2007, 2007-2009, 48.000 RON~14.000 euro		0.14
	Total		3.76

Criterii minimale pentru activitatea didactică și profesională:

Abilitare, CS I, profesor universitar: $A = \sum_{i=1}^{10} A_i \geq 2$

2. Activitate de cercetare

Nr. ctr.	Tipul activităților	Indicatori	Punctaj
1.	Articole științifice originale în extenso ca autor	$I = \sum_i AIS_i/n_i^{ef}$	7.714
2.	Articole științifice originale în extenso ca prim autor sau autor corespondent conform mențiunilor de pe articol	$P = \sum_i AIS_i$	18.713

Criterii minimale pentru activitatea de cercetare:

Abilitare, CS I, profesor universitar: **$I \geq 4, P \geq 4$**

Table de calcul pentru coeficienții I și P

Nume autori	Titlul articol, revistă	Nr. autori	Nr. autori echivalenți	AIS	I	P
Vlad Alexandru Lukacs, Roxana Stanculescu, <u>Lavinia Curecheriu</u> , Cristina Elena Ciomaga, Nadejda Horchidan, Cipriana Cioclea, Liliana Mitoseriu	Structural and functional properties of BaTiO ₃ porous ceramics produced by using pollen as sacrificial template, Ceramics International (in press)	7	6	0.454	0.075	0.454
Cristina E. Ciomaga, Alexandra Guzu, Mirela Airimioaei, <u>Lavinia P. Curecheriu</u> , Vlad Alexandru Lukacs, Ovidiu G. Avadanei, George Stoian, Marian Grigoras, Nicoleta Lupu, Mihai Asandulesa, Liliana Mitoseriu	Comparative study of magnetoelectric BaTiO ₃ -Co _{0.8} Zn _{0.2} Fe ₂ O ₄ bi-tunable ceramics sintered bu Spark Plasma Sintering and classical method, Ceramics International (in press)	11	8	0.454	0.056	
Alexandra Guzu, Cristina Elena Ciomaga, Mirela Airimioaei, Leontin Padurariu, <u>Lavinia-Petronela Curecheriu</u> , Ioan Dumitru, Felicia Gheorghiu, George Stoian, Marian Grigoras, Nicoleta Lupu, Mihai Asandulesa, Liliana Mitoseriu	Functional properties of randomly and layered BaTiO ₃ -CoFe ₂ O ₄ ceramic composites close to the percolation limit, Journal of Alloys and Compound, 796, 55-64 (2019)	12	8.5	0.601	0.070	
Giovanna Canu, Gregorio Bottaro, Maria Teresa Buscaglia, Chiara Costa, Oana Condurache, Lavinia Curecheriu, Liliana Mitoseriu, Vincenzo Buscaglia, Lidia Armelao	Ferroelectric order driven Eu ³⁺ , photoluminescence in BaZr _x Ti _{1-x} O ₃ , perovskite Scientific Reports, 9, 6441 (2019)	9	7	1.286	0.183	

Ina Turcan, Alexandru Vlad Lukacs, <u>Lavinia Curecheriu</u> , Leontin Padurariu, Cristina Elena Ciomaga, Mirela Airimioaei, George Stoian, Nicoleta Lupu, Liliana Mitoseriu	Microstructure and dielectric properties of Ag-BaTiO ₃ composite ceramics, Journal of the European Ceramic Society, 38, 5420-5429 (2018)	9	7	0.706	0.100	
Giovanna Canu, Giorgia Confalonieri, Marco Deluca, <u>Lavinia Curecheriu</u> , Maria Teresa Buscaglia, Mihai Asandulesa, Nadejda Horchidan, Monica Dapiaggi, Liliana Mitoseriu, Vincenzo Buscaglia,	Structure-properties correlations and origin of relaxor behaviour in BaCe _x Ti _{1-x} O ₃ , Acta Materialia, 152, 258-268 (2018)	10	7.5	1.815	0.242	
Mirela Airimioaei, Maria Teresa Buscaglia, Ilarie Tredici, Umberto Anselmi-Tamburini, Cristina Elena Ciomaga, <u>Lavinia Curecheriu</u> , Andreja Bencan, Vincenzo Buscaglia, Liliana Mitoseriu	SrTiO ₃ -BaTiO ₃ nanocomposites with temperature independent permittivity and linear tunability fabricated using field-assisted sintering from chemically synthesized powders, Journal of Materials Chemistry C, 5, 35, 9028-9036 (2017)	9	7	1.133	0.162	
<u>Lavinia-Petronela Curecheriu</u> , Maria Teresa Buscaglia, Filippo Maglia, Cipriana Padurariu, Gabriela Ciobanu, Umberto Anselmi-Tamburini, Vincenzo Buscaglia, Liliana Mitoseriu	Tailoring the functional properties of PLZT-BaTiO ₃ composite ceramics by core-shell approach, Journal of Applied Physics, 121, 14, 144101 (2017)	8	6.5	0.561	0.086	0.561
Cipriana Padurariu, Leontin Padurariu, <u>Lavinia Curecheriu</u> , Cristina Ciomaga, Nadejda Horchidan, Carmen Galassi, Liliana Mitoseriu	Role of the pore interconnectivity on the dielectric, switching and tunability properties of PZT ceramics, Ceramics International, 43, 7, 5767-5773 (2017)	7	6	0.437	0.073	0.437
Oana Condurache, Ina Turcan, <u>Lavinia Curecheriu</u> , Cristina Ciomaga, Petronel Postolache, Gabriela Ciobanu, Liliana Mitoseriu	Towards novel functional properties by interface reaction in mixtures of BaTiO ₃ -Fe ₂ O ₃ composite ceramics, Ceramics International, 43, 1098-1105 (2017)	7	6	0.437	0.073	0.437
Felicia Gheorghiu, Leontin Padurariu, Mirea Airimioaei, <u>Lavinia Curecheriu</u> , Cristina Elena Ciomaga, Cipriana Padurariu, Carmen Galassi, Liliana Mitoseriu	Porosity dependent properties of Nb-doped Pb(Zr,Ti)O ₃ ceramics, Journal of the American Ceramic Society, 100, 2, 647-658 (2017)	8	6.5	0.643	0.099	
<u>Lavinia Curecheriu</u> , Cristina Ciomaga, Valentina Musteata, Giovanna Canu, Vincenzo Buscaglia, Liliana Mitoseriu	Diffuse phase transition and high electric field properties of BaCe _y Ti _{1-y} O ₃ relaxor ferroelectric ceramics, Ceramics International, 42, 11085-11092(2016)	6	5.5	0.465	0.085	0.465
T. Teslaru, I. Topala, M. Dobromir, V. Pohoata, <u>L. Curecheriu</u> , N. Dumitrascu,	Polythiophene films obtained by polymerization under atmospheric pressure plasma conditions, Materials Chemistry and Physics, 169, 120-127 (2016)	6	5.5	0.479	0.087	
Leontin Padurariu, <u>Lavinia Curecheriu</u> , Liliana Mitoseriu	Nonlinear dielectric properties of paraelectric-dielectric composites described by a 3D Finite Element Method based on Landau-Devonshire theory, Acta Materialia 103, 724-734 (2016)	3	3	1.741	0.580	
A. Sakanas, R. Grigalaitis, J. Banys, <u>L. Curecheriu</u> , L. Mitoseriu, V. Buscaglia	Microstructural influence on the broadband dielectric properties of BaTiO ₃ -Ni _{0.5} Zn _{0.5} Fe ₂ O ₄ core-shell composites:	6	5.5	0.637	0.116	

	Experiment and modeling, Journal of Applied Physics, 118, 174106 (2015)					
Adelina Inaculescu, Catalina Vasilescu, Maria Crisan, Malina Raileanu, Bogdan Vasile, Mihai Calugaru, Dorel Crisan, Nicolae Dragan, <u>Lavinia Curecheriu</u> , Liliana Mitoseriu	Formation mechanism and characteristics of lanthanum-doped BaTiO ₃ powders and ceramics prepared by the sol-gel process, Materials Characterization, 106, 195-207 (2015)	10	7.5	0.741	0.099	
Felicia Gheorghiu, <u>Lavinia Curecheriu</u> , Isabelle Lisiecki, Patricia Beaunier, Simona Feraru, Mircea Palamaru, Valentina Musteata, Nicoleta Lupu, Liliana Mitoseriu,	Functional properties of Sm ₂ NiMnO ₆ multiferroic ceramics prepared by spark plasma sintering, Journal of Alloys & Compound 649, 151-158 (2015)	9	7	0.558	0.080	
<u>Lavinia-Petronela Curecheriu</u> , Mirjana M Vijatovic Petrovic, Jelena D. Bobic, B.D. Stojanovic	Nonlinear properties of antimony-doped BaTiO ₃ ceramics, Applied Physics A, 119, 681-686 (2015)	4	4	0.39	0.098	0.39
<u>Lavinia-Petronela Curecheriu</u> , Maria Teresa Buscaglia, Filippo Maglia, Umberto Anselmi-Tamburini, Vincenzo Buscaglia, Liliana Mitoseriu	Design tunable materials: ferroelectric-antiferroelectric composite with core-shell structure, Applied Physics Letters 105, 252901 (2014)	6	5.5	1.125	0.205	1.125
Alexandra Neagu, <u>Lavinia Curecheriu</u> , Mirela Airimioaei, Ana Cazacu, Adrian Cernescu, Liliana Mitoseriu	Impedance spectroscopy characterization of relaxation mechanisms in gold-chitosan nanocomposites, Composites:Part B 71, 210-217 (2015)	6	5.5	0.875	0.159	0.875
Cristina Elena Ciomaga, Leontin Padurariu, <u>Lavinia Curecheriu</u> , Nicoleta Lupu, Isabelle Lisiecki, Marco Deluca, Sorin Tascu, Carmen Galassi, Liliana Mitoseriu	Using multi-walled carbon nanotubes in spark plasma sintered Pb(Zr _{0.47} Ti _{0.53})O ₃ ceramics for tailoring dielectric and tunability properties, Journal of Applied Physics, 116, 164110 (2014)	9	7	0.682	0.097	0.682
<u>Lavinia Curecheriu</u> , Petronel Postolache, Maria Teresa Buscaglia, Vincenzo Buscaglia, Adelina Ianculescu, Liliana Mitoseriu	Novel magnetoelectric ceramic composites by control of the interface reactions in Fe ₂ O ₃ @BaTiO ₃ core-shell structures, Journal of Applied Physics, 116, 084102 (2014)	6	5.5	0.682	0.124	0.682
Alexandra Neagu, <u>Lavinia Curecheriu</u> , Ana Cazacu, Liliana Mitoseriu	Impedance analysis and tunability of BaTiO ₃ -chitosan composites: towards active dielectrics for flexible electronics, Composites:Part B, 66, 109-116 (2014)	4	4	0.774	0.194	0.774
Zina Violeta Mocanu, Mirela Airimioaei, Cristina Elena Ciomaga, <u>Lavinia Curecheriu</u> , Florin Tudorache, Sorin Tascu, Alexandra R. Iordan, Mircea N. Palamaru, Liliana Mitoseriu	Investigation of the functional properties of Mg _x Ni _{1-x} Fe ₂ O ₄ ceramics, Journal of Materials Science 49,8, 3276-3286 (2014)	9	7	0.592	0.085	
Mirela Airimioaei, Mircea N. Palamaru, Alexandra R. Iordan, Pascal Berthet, C. Decorse, <u>Lavinia Curecheriu</u> , Liliana Mitoseriu	Structural investigation and functional properties of Mg _x Ni _{1-x} Fe ₂ O ₄ ferrites, Journal of American Ceramic Society, 97,2, 519-526 (2014)	7	6	0.696	0.116	
Tiberiu Salaoru, Florica Matau, Sorin Tascu, <u>Lavinia Curecheriu</u> , Alexandru Stancu	Effect of thermal treatment on the magnetic properties of ceramic samples from eastern Romania clay deposits, Digest Journal of Nanomaterials and Biostructures, 8 (1), 335-346 (2013)	5	5	0.209	0.042	

Ana Cazacu, <u>Lavinia Curecheriu</u> , Alexandra Neagu, Leontin Padurariu, Adrian Cernescu, Isabelle Lisiecki, Liliana Mitoseriu,	Tunable gold-chitosan, nanocomposites by local field engineering, Applied Physics Letters, 102, 222903 (2013)	7	6	1.217	0.203	1.217
<u>Lavinia Curecheriu</u> , Petronel Postolache, Vincenzo Buscaglia, Nadejda Horchidan, Marin Alexe, Liliana Mitoseriu	BaTiO ₃ -ferrite composites with magnetocapacitance and hard/soft magnetic properties, Phase Transition, 86, 7, 670-680 (2013)	6	5.5	0.288	0.052	0.288
Felicia Gheorghiu, <u>Lavinia Curecheriu</u> , Adelina Ianculescu, Mihai Calugaru, Liliana Mitoseriu	Tunable dielectric characteristics of Mn-doped BiFeO ₃ multiferroic ceramics, Scripta Materialia 68, 305-308 (2013)	5	5	1.172	0.234	
Bogdan Stefan Vasile, Ecaterina Andronescu, Cristina Ghitulica, Otilia Ruxandra Vasile, <u>Lavinia Curecheriu</u> , Rares Scurtu, Eugeniu Vasile, Roxana Trusca, Livia Pall, Virgil Aldica	Microstructure and electrical properties of zirconia and composite nanostructured ceramics sintered by different methods, Ceramics International 39, 2535-2543 (2013)	10	7.5	0.439	0.059	
<u>Lavinia Petronela Curecheriu</u> , Marco Deluca, Zina Violeta Mocanu, Mihai Valentin Pop, Valentin Nica, Nadejda Horchidan, Maria Teresa Buscaglia, Vincenzo Buscaglia, Marlies Van Bael, An Hardy, Liliana Mitoseriu	Investigation of the ferroelectric-relaxor crossover in Ce-doped BaTiO ₃ ceramics by impedance spectroscopy and Raman study, Phase Transition, 86, 7, 703-714 (2013)	11	8	0.288	0.036	0.288
Marco Deluca, <u>Lavinia P. Curecheriu</u> , Alexandra Neagu, Geanina Apachitei, Maria Teresa Buscaglia, Giovanna Canu, Kenichi Oshita, Jung Gon Kim, Hiroshi Harima and Vincenzo Buscaglia	Raman spectroscopic study of layered quaternary ferrite Ba ₁₂ Fe ₂₈ Ti ₁₅ O ₈₄ , Phase Transition, 86, 7, 661-669 (2013)	10	7.5	0.288	0.038	
<u>Lavinia Petronela Curecheriu</u> , Nadejda Horchidan, Steluta Popescu, Victor Ciupina	DC-tunability properties of substituted PZT ceramics investigated with multipolar models, Optoelectronics and Advanced materials – Rapid Communication, vol.6, 5-6, 573-576 (2012)	4	4	0.053	0.013	0.053
Leontin Padurariu, <u>Lavinia Curecheriu</u> , Vincenzo Buscaglia, Liliana Mitoseriu	Field-dependent permittivity in nanostructured BaTiO ₃ ceramics: Modeling and experimental verification, Physical Review B 85, 224111 (2012)	4	4	1.426	0.357	
Leontin Padurariu, <u>Lavinia Petronela Curecheriu</u> , Carmen Galassi, Liliana Mitoseriu	Tailoring non-linear dielectric properties by local field engineering in anisotropic porous ferroelectric structures, Applied Physics Letters 100, 252905 (2012)	4	4	1.384	0.346	
<u>Lavinia Petronela Curecheriu</u> , Sorin-Bogdan Balmus, Maria Teresa Buscaglia, Vincenzo Buscaglia, Adelina Ianculescu, Liliana Mitoseriu	Grain-size dependent properties of dense nanocrystalline barium titanate ceramics, Journal of American Ceramic Society, 95, 3912-3921 (2012)	6	5.5	0.765	0.139	0.765
Marco Deluca, Laurentiu Stoleriu, <u>Lavinia-Petronela Curecheriu</u> , Nadejda Horchidan, Adelina, Carmen Ianculescu, Carmen Galassi, Liliana Mitoseriu	High-field dielectric properties and Raman spectroscopic investigation of the ferroelectric-to-relaxor crossover in BaSn _x Ti _{1-x} O ₃ ceramics, Journal of Applied Physics, 111, 084102 (2012)	7	6	0.834	0.139	

Marco Deluca, Catalina A. Vasilescu, Adelina C. Ianculescu, Daniela C. Berger, Cristina E. Ciomaga, <u>Lavinia P. Curecheriu</u> , Laurentiu Stoleriu, Andreja Gajovic, Liliana Mitoseriu, Carmen Galassi	Investigation of the composition-dependent properties of BaTi _{1-x} Zr _x O ₃ ceramics prepared by the modified Pechini method, Journal of the European Ceramic Society, 32 (13), 3551-3566 (2012)	10	7.5	0.689	0.092	
Delia Spiridon, <u>Lavinia Curecheriu</u> , Marius Dobromir, Nicoleta Dumitrascu	Synthesis of Poly(N-isopropylacrylamide) under atmospheric pressure plasma conditions, Journal of Applied Polymer Science, 124, 3, 2377-2382 (2012)	4	4	0.305	0.076	
<u>Lavinia Curecheriu</u> , Felicia Gheorghiu, Adelina Ianculescu, Liliana Mitoseriu	Non-linear dielectric properties of BiFeO ₃ ceramics, Applied Physics Letters, 99, 172904 (2011)	4	4	1.384	0.346	1.384
<u>Lavinia P. Curecheriu</u> , Maria T. Buscaglia, Adelina C. Ianculescu, Raluca Frunza, Ioana Ciuchi, Alexandra Neagu, Gianina Apachitei, Alessio Bassano, Gionavanna Canu, Petronel Postolache, Liliana Mitoseriu, Vincenzo Buscaglia	Dielectric and magnetic properties of the Ba ₁₂ Fe ₂₈ Ti ₁₅ O ₈₄ layered ferrite, Journal of Physics D: Applied Physics 44, 435002 (2011)	12	8.5	0.898	0.106	0.898
Adelina Ianculescu, Zina Violeta Mocanu, <u>Lavinia Curecheriu</u> , Leontin Padurariu, Liliana Mitoseriu, Roxana Trusca	Dielectric and tunability properties of La-doped BT ceramics, Journal of Alloys and Compounds, 509,10040– 10049 (2011)	6	5.5	0.507	0.092	0.507
Zina Violeta Mocanu, Gianina Apachitei, Leontin Padurariu, Florin Tudorache, <u>Lavinia P. Curecheriu</u> , Liliana Mitoseriu	Impedance spectroscopy method for investigation of the polycrystalline inhomogeneous ceramics, European Physical Journal Applied Physics 56, 10102 (2011)	6	5.5	0.264	0.048	0.264
<u>Lavinia P. Curecheriu</u> , Adelina C. Ianculescu, Nadejda Horchidan, Stefania Stoleriu, Florin Tudorache, Sorin Tascu, Liliana Mitoseriu	Temperature dependence of tunability of Ba(Sn _x Ti _{1-x})O ₃ ceramics, Journal of Applied Physics 109, 084103 (2011)	7	6	0.834	0.139	0.834
Nadejda Horchidan, Adelina Ianculescu, <u>Lavinia Curecheriu</u> , Florin Tudorache, Valentina Musteata, Stefania Stoleriu, Nicolae Dragan, Dorel Crisan, Sorin Tascu, Liliana Mitoseriu	Preparation and characterization of barium titanate stannate solid solution, Journal of Alloys and Compounds, 509, 4731-4737 (2011)	10	7.5	0.507	0.068	
<u>Lavinia Curecheriu</u> , Maria Teresa Buscaglia, Vincenzo Buscaglia, Zhe Zhao, Liliana Mitoseriu	Grain size effect on the nonlinear dielectric properties of barium titanate ceramics, Applied Physics Letters, 97, 242909 (2010)	5	5	1.399	0.280	1.399
Adelina Ianculescu, Maria M. Carnasciali, <u>Lavinia Curecheriu</u> , Liliana Mitoseriu	Raman investigation and functional characterisation of (Pb _{0.8} La _{0.2})(Mg _{0.4} Nb _{0.6})O ₃ ceramics prepared by the columbite method, Journal of Alloys and Compounds, 391-395, 508 (2010)	4	4	0.469	0.117	0.469
Maria T. Buscaglia, Vincenzo Buscaglia, <u>Lavinia P. Curecheriu</u> , Petronel Postolache, Liliana Mitoseriu, Adelina Ianculescu, Bogdan Vasile, Zhao Zhe, Paolo Nanni	Fe ₂ O ₃ @BaTiO ₃ core-shell particles as reactive precursors for the preparation of multifunctional composites containing different magnetic phase, Chemistry of Materials 22, 4740-4748 (2010)	9	7	1.885	0.269	

<u>Lavinia P. Curecheriu</u> , Maria T. Buscaglia, Vincenzo Buscaglia, Liliana Mitoseriu, Petronel Postolache, Adelina Ianculescu, Paolo Nanni	Functional properties of BaTiO ₃ -Ni _{0.5} Zn _{0.5} Fe ₂ O ₄ magnetoelectric ceramics prepared from powders with core-shell structure, Journal of Applied Physics, 107, 104106 (2010)	7	6	0.875	0.146	0.875
<u>Lavinia P. Curecheriu</u> , Adelina Ianculescu, Liliana Mitoseriu	Tunability properties in the paraelectric state of the Pb(Mg _{1/3} Nb _{2/3})O ₃ ceramics, Journal of the European Ceramic Society, 30, 599-603 (2010)	3	3	0.702	0.234	0.702
<u>Lavinia P. Curecheriu</u> , Liliana Mitoseriu, Adelina Ianculescu	Nonlinear dielectric properties of Ba _{1-x} Sr _x TiO ₃ ceramics, Journal of Alloys and Compounds, 482, 1-4 (2009)	3	3	0.488	0.163	0.488
<u>Lavinia P. Curecheriu</u> , Liliana Mitoseriu, Adelina Ianculescu	Tunability properties of the Pb(Mg _{1/3} Nb _{2/3})O ₃ relaxors and theoretical description, Journal of Alloys and Compounds, 485, 1-5 (2009)	3	3	0.488	0.163	0.488
<u>Lavinia P. Curecheriu</u> , Cristina E. Ciomaga, Liliana Mitoseriu	Temperature-dependent tunability in the paraelectric state of BaTiO ₃ - based solid solutions, Ferroelectrics, 391, 83-90 (2009)	3	3	0.169	0.056	0.169
Felicia Prihor, Adelina Ianculescu, Liliana Mitoseriu, Petronel Postolache, <u>Lavinia Curecheriu</u> , Nicolae Dragan, Dorin Crisan	Functional properties of the (1-x) BiFeO ₃ - xBaTiO ₃ , Ferroelectrics, 391, 76-82 (2009)	7	6	0.169	0.028	
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					7.714	18.713

3. Recunoașterea impactului activității

Nr. ctr.	Tipul activităților	Indicatori	Punctaj
1.	Citări în reviste științifice cu factor de impact care se regăsesc în InCites Journal Citation Reports sau în cărți în edituri recunoscute Web of Science. Nu se iau în considerare citările provenind din articole care au ca autor sau coautor candidatul	$C = \sum_i c_i / n_i^{ef}$, unde c_i reprezintă numărul de citări în reviste ISI ale publicației i	125.484
2.	Indicele Hirsch	h	17

Criterii minimale pentru recunoașterea impactului activității:

Abilitare, CS I, profesor universitar: **$C \geq 40, h \geq 10$**

Lucrarea	Citată în:	Nr. autori	Nr. autori echivalenți	Nr. citări	C
Ina Turcan, Alexandru Vlad Lukacs, Lavinia Curecheriu, Leontin Padurariu, Cristina Elena Ciomaga, Mirela Airimioaei, George Stoian, Nicoleta Lupu, Liliana Mitoseriu, Microstructure and dielectric properties of Ag-BaTiO3 composite ceramics, Journal of the European Ceramic Society, 38, 5420-5429 (2018)		9	7	1	0.142
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				677	125.484

Punctaj total CNATDCU: $T=A+P/2+I/2+C/20+h/5$

Abilitarea, CS I, profesor universitar: $T \geq 12$

Punctaj candidat: $T=3.76+9.356+3.857+6.274+3.4=26.647$