

Anexa 2a

Titlu proiect: Design de material, preparare, proprietati si modelare de structuri multifunctionale oxidice pentru microelectronica si noi aplicatii in stocare de energie (MULTIFOX)

Material design, preparation, properties and modeling of multifunctional oxides structures for microelectronics and new energy storage applications

Categoria de proiect: PN-II-ID-PCE

Contractul de finanțare: PN-II-ID-PCE-2011-3-0745

Manager proiect: prof.dr. Liliana Mitoseriu

Lista rezultate

Nr. crt.	NUME AUTORI	TITLUL ARTICOLULUI/ CĂRȚII / COMUNICĂRII ȘTIINȚIFICE	REVISTA / VOLUMUL/EDITURA IN CARE A APARUT / CONFERINTA LA CARE S-A COMUNICAT	ANUL PUBLICAREI/ COMUNICARIILOR
ARTICOLE ISI				
1	L. Curecheriu, F. Gheorghiu, A. Ianculescu, L. Mitoseriu	Non-linear dielectric properties of BiFeO ₃ ceramics	Appl. Phys. Lett. 99	2011
2	L.P. Curecheriu, M.T. Buscaglia, A.C. Ianculescu, R.C. Frunza, I.V. Ciuchi, A. Neagu, G. Apachitei, A. Bassano, G. Canu, P. Postolache, L. Mitoseriu, V. Buscaglia	Magnetic and dielectric properties of Ba ₁₂ Fe ₂₈ Ti ₁₅ O ₈₄ layered ferrite ceramics	J. Phys. D: Appl. Phys. 44	2011
3	L. Padurariu, L. Curecheriu, V. Buscaglia, L. Mitoseriu	Field-dependent permittivity in nanostructured BaTiO ₃ ceramics: Modeling and experimental verification	Phys. Rev. B 85	2012
4	L.P. Curecheriu, S.B. Balmus, M.T. Buscaglia, V. Buscaglia, A. Ianculescu, L. Mitoseriu	Grain size dependent properties of dense nanocrystalline barium titanate ceramics	J. Am.Ceram. Soc. 95	2012
5	M. Deluca, L. Stoleriu, L.P.	High-field dielectric properties and Raman spectroscopic investigation of	J. Appl. Phys. 111	2012

	Curecheriu, N. Horchidan, A.C. Ianculescu, C. Galassi, L. Mitoseriu	the ferroelectric-to-relaxor crossover in BaSn _x Ti _{1-x} O ₃ ceramics		
6	M. Deluca, C.A. Vasilescu, A.C. Ianculescu, D.C. Berger, C.E. Ciomaga, L.P. Curecheriu, L. Stoleriu, A. Gajovic, L. Mitoseriu, C.Galassi	Investigation of the composition-dependent properties of BaTi _{1-x} Zr _x O ₃ ceramics prepared by the modified Pechini method	J. Eur. Ceram Soc. 32	2012
7	F. Gheorghiu, M. Calugaru, A. Ianculescu, V. Musteata, L. Mitoseriu	Preparation and functional characterization of BiFeO ₃ ceramics: A comparative study of the dielectric properties	Solid State Sciences 23	2013
8	A. Cazacu, L. Curecheriu, A. Neagu, L. Padurariu, A. Cernescu, I. Lisiecki, L. Mitoseriu	Tunable gold-chitosan nanocomposites by local field engineering	Appl. Phys. Lett. 102	2013
9	V. Pascariu, L. Padurariu, O. Avadanei, L. Mitoseriu	Dielectric properties of PZT–epoxy composite thick films	J. Alloys & Comp. 574	2013
10	V. Pascariu, O. Avadanei, P. Gasner, I. Stoica, A. Reverberi, L. Mitoseriu	Preparation and characterization of PbTiO ₃ -epoxy resin compositionally graded thick films	Phase Trans. 86	2013
11	F. Gheorghiu, M.T. Buscaglia, V. Buscaglia, C.G. Pastravanu, E. Popovici, L. Mitoseriu	Preparation by hydrothermal synthesis and photocatalytic properties of Bi ₂ Fe ₄ O ₉ particles	Phase Trans.86	2013
12	M. Deluca, L.P. Curecheriu, A. Neagu, G. Apachitei, M.T. Buscaglia, G. Canu, K. Oshita, J.G. Kim, H. Harima, V. Buscaglia	Raman spectroscopy study of layered quaternary ferrite Ba ₁₂ Fe ₂₈ Ti ₁₅ O ₈₄	Phase Trans. 86	2013
13	L.P. Curecheriu, M. Deluca, Z.V.	Investigation of the ferroelectric -relaxor crossover in Ce-doped BaTiO ₃	Phase Trans. 86	2013

	Mocanu, N. Horchidan, M.V. Pop, V. Nica, M.T. Buscaglia, V. Buscaglia, M. Van Bael, A. Hardy, L. Mitoseriu	ceramics by impedance spectroscopy and Raman study		
14	C.S. Olariu, L. Padurariu, R. Stanculescu, C. Baldisserri, C. Galassi, L. Mitoseriu	Investigation of low field dielectric properties of anisotropic porous $Pb(Zr,Ti)O_3$ ceramics: Experiment and modeling	J. Appl. Phys. 114	2013
15	Z.V. Mocanu, M. Airimioaei, C.E. Ciomaga, L.P. Curecheriu, F. Tudorache, S. Tascu, A.R. Iordan, M. Palamaru, L. Mitoseriu	Investigation of the functional properties of $Mg_xNi_{1-x}Fe_2O_4$ ceramics	J. Mater. Sci. 49	2014
16	N. Horchidan, A.C. Ianculescu, C.A. Vasilescu, M. Delaica, V. Musteata, H. Ursic, R. Frunza, B. Malic, L. Mitoseriu	Multiscale study of ferroelectric–relaxor crossover in $BaSn_xTi_{1-x}O_3$ ceramics	J. Eur. Ceram. Soc. 34	2014
17	A.M. Neagu, L.P. Curecheriu, A. Cazacu, L. Mitoseriu	Impedance analysis and tunability of $BaTiO_3$ –chitosan composites: Towards active dielectrics for flexible electronics	Composites: Part B 66	2014
18	M. Airimioaei, M.N. Palamaru, A.R. Iordan, P. Berthet, C. Decorse, L. Curecheriu, L. Mitoseriu	Structural Investigation and Functional Properties of $Mg_xNi_{1-x}Fe_2O_4$ Ferrites	J. Am. Ceram. Soc. 97	2014
19	A. Sakanas, R. Grigalaitis, J. Banys, L. Mitoseriu, V. Buscaglia, P. Nanni	Broadband dielectric spectroscopy of $BaTiO_3$ – $Ni_{0.5}Zn_{0.5}Fe_2O_4$ composite ceramics	J. Alloys & Compds. 602	2014
20	G. Schileo, A. Feteira, I.M. Reaney, P. Postolache, L. Mitoseriu, K. Reichmann	Characterization of Yttrium Iron Garnet/Barium Titanate Multiferroic Composites Prepared by Sol-Gel and Coprecipitation Methods	Int. J. Appl. Ceram. Technol. 11	2014
21	C.E. Ciomaga, L. Padurariu, L.P.	Using multi-walled carbon nanotubes in spark plasma sintered	J. Appl. Phys. 116	2014

	Curecheriu, N. Lupu, I. Lisiecki, M. Deluca, S. Tascu, C. Galassi, L. Mitoseriu	Pb(Zr _{0.47} Ti _{0.53})O ₃ ceramics for tailoring dielectric and tunability properties		
22	L.P. Curecheriu, M.T. Buscaglia, F. Maglia, U.A. Tamburini, V. Buscaglia, L. Mitoseriu	Design of tunable materials: Ferroelectric-antiferroelectric composite with core-shell structure	Appl. Phys. Lett. 105	2014
23	I.V. Ciuchi, F. Craciun, L. Mitoseriu, C. Galassi	Preparation and properties of La doped PZT 90/10 ceramics across the ferroelectric-antiferroelectric phase boundary	J. Alloys & Compds. 646	2015
24	F. Craciun, F. Cordero, I.V. Ciuchi, L. Mitoseriu, C. Galassi	Refining the phase diagram of Pb _{1-x} La _x (Zr _{0.90} Ti _{0.10}) _{1-x/4} O ₃ ceramics by structural, dielectric and anelastic spectroscopy investigations	J. Appl. Phys. 117	2015
25	I.V. Ciuchi, L. Mitoseriu, C. Galassi	Antiferroelectric to Ferroelectric Crossover and Energy Storage Properties of (Pb _{1-x} La _x)(Zr _{0.90} Ti _{0.10}) _{1-x/4} O ₃ (0.02≤x≤0.04) Ceramics	J. Am. Ceram. Soc., 99	2016
ARTICOLE ALTE BAZE DE DATE				
CARTI				
1	Liliana Mitoseriu, Lavinia Curecheriu	Nanoscale Ferroelectrics and Multiferroics (cap. 15) <i>Nanostructured barium titanate ceramics: intrinsic vs. extrinsic size effects</i> , pag. 473-501	John Wiley & Sons Ltd.	2016
DOCUMENTATIE TEHNICA, BREVETE				
COMUNICARI STIINTIFICE NATIONALE				
COMUNICARI STIINTIFICE INTERNATIONALE				
1	L. Mitoseriu	Size and interface effects in nanostructured dense ferroelectric ceramics (invited)	The 9 th Students Meeting & 2nd ESR COST MP0904 Workshop Novi Sad, Serbia	2011
2	L.P. Curecheriu, L. Mitoseriu	Dc-electric-field dependence of dielectric constant in ferroelectric systems (oral)	The 9 th Students Meeting & 2nd ESR COST MP0904 Workshop Novi Sad, Serbia	2011

3	L. Padurariu, M. Alexe, L. Mitoseriu	Simulation of cross-talk phenomena in ferroelectric nanocapacitor system (poster)	3 rd COST MP0904 Workshop Vilnius, Lituania	2012
4	L. Curecheriu, L. Padurariu, L. Mitoseriu, M.T. Buscaglia, V. Buscaglia, P. Nanni	Grain size and interface effects in nanostructured ferroelectric ceramics (poster)	3 rd COST MP0904 Workshop Vilnius, Lituania	2012
5	L.P. Curecheriu, L. Padurariu, L. Mitoseriu and V. Buscaglia	A new approach for tailoring tunability and permittivity values by using grain size reduction at nanoscale (oral)	Electroceramics XIII Twente, Holland	2012
6	F. Gheorghiu, L. Curecheriu, A. Ianculescu, V. Musteata, L. Mitoseriu	New aspects concerning the tunability and dielectric anomalies of BiFeO ₃ ceramics (oral)	Electroceramics XIII Twente, Holland	2012
7	L. Mitoseriu, L. Curecheriu, L. Padurariu, C. Harnagea, V. Buscaglia	New insights on grain size and interface effects in nanostructured ferroelectric ceramics (oral)	Electroceramics XII Twente, Holland	2012
8	N. Horchidan, M. Deluca, L. Stoleriu, L.P. Curecheriu, A.C. Ianculescu, C. Galassi, L. Mitoseriu	High-field dielectric properties and Raman spectroscopic investigation of the ferroelectric-relaxor crossover in BaSn _x Ti _{1-x} O ₃ ceramics (oral)	Electroceramics XII Twente, Holland	2012
9	S.B. Balmus, C. Ciomaga, N. Horchidan, L. Curecheriu, L. Mitoseriu	Ceramic samples's resonances analysis in high frequency impedance spectroscopy methods (oral)	Electroceramics XII Twente, Holland	2012
10	Z.V. Mocanu, M. Airimioaei, A.R. Iordan, M.N. Palamaru, L. Curecheriu, L. Mitoseriu	Dielectric properties and conductivity mechanisms of Mg _x Ni _{1-x} Fe ₂ O ₄ spinel ceramics (poster)	Electroceramics XII Twente, Holland	2012
11	N. Horchidan, A.C. Ianculescu, L.P. Curecheriu, L. Mitoseriu	Influence of microstructural characteristics on the dielectric and nonlinear properties of BaSn _x Ti _{1-x} O ₃ ceramics	Electroceramics XII Twente, Holland	2012
12	Z.V. Mocanu, L. Curecheriu, M. Deluca, V. Buscaglia, M. Van	Ferroelectric-relaxor crossover in Ce-doped BaTiO ₃ ceramics (poster)	Electroceramics XII Twente, Holland	2012

	Bael, A. Hardy, L. Mitoseriu			
13	F. Gheorghiu, R. Apetrei, M. Dobromir, A. Ianculescu, D. Luca, L. Mitoseriu	Investigation of Co-doped PZT films deposited by rf-magnetron sputtering (poster)	Electroceramics XII Twente, Holland	2012
14	L. Mitoseriu, L. Curecheriu, Al. Stancu, V. Buscaglia	Reactions in $\text{Fe}_2\text{O}_3@\text{BaTiO}_3$ core-shell structure towards new functional properties (oral)	Joint IEEE International Symposium on the Applications of Ferroelectrics & European Conference on Applications of Polar Dielectric ISAF-ECAPD Aveiro, Portugal	2012
15	F. Gheorghiu, L. Curecheriu, R. Tanasa, M.V. Pop, L. Mitoseriu	Comparison between the properties of pure BiFeO_3 ceramics prepared by single and two step sintering methods (oral)	Joint IEEE International Symposium on the Applications of Ferroelectrics & European Conference on Applications of Polar Dielectric ISAF-ECAPD Aveiro, Portugal	2012
16	M. Pop, L. Stoleriu, G. Apachitei, L. Mitoseriu, C. Galassi	FORC analysis of the subswitching and polarization reversal process in PZT ceramics at morphotropic phase boundary (poster)	Joint IEEE International Symposium on the Applications of Ferroelectrics & European Conference on Applications of Polar Dielectric ISAF-ECAPD Aveiro, Portugal	2012
17	Z.V. Mocanu, M. Airimioaei, A.R. Iordan, M.N. Palamaru, L.P. Curecheriu, L. Mitoseriu	Impedance spectroscopy and magnetic investigation of $\text{Mg}_x\text{Ni}_{1-x}\text{Fe}_2\text{O}_4$ spinel ceramics (poster)	Joint IEEE International Symposium on the Applications of Ferroelectrics & European Conference on Applications of Polar Dielectric ISAF-ECAPD Aveiro, Portugal	2012
18	N. Horchidan, A.C. Ianculescu, L.P. Curecheriu, L. Stoleriu, M. Deluca, C. Galassi, L. Mitoseriu	Combined approach to study the ferroelectric-relaxor crossover in $\text{BaTi}_{1-x}\text{Sn}_x\text{O}_3$ ceramics (poster)	Joint IEEE International Symposium on the Applications of Ferroelectrics & European Conference on Applications of Polar Dielectric ISAF-ECAPD Aveiro, Portugal	2012
19	N. Horchidan, A.C. Ianculescu, L.P. Curecheriu, M.V. Pop, L. Mitoseriu	Preparation and functional properties of $\text{BaTi}_{1-x}\text{Sn}_x\text{O}_3$ ceramics (poster)	Joint IEEE International Symposium on the Applications of Ferroelectrics & European Conference on Applications of Polar Dielectric ISAF-ECAPD Aveiro, Portugal	2012

	F. Gheorghiu, R. Tanasa, C.G. Pastravanu, E. Popovici, V. Buscaglia, M.T. Buscaglia, P. Nanni, L. Mitoseriu	The hydrothermal synthesis characterization and functional properties of $\text{Bi}_2\text{Fe}_4\text{O}_9$ micro/nanostructures (poster)	Joint IEEE International Symposium on the Applications of Ferroelectrics & European Conference on Applications of Polar Dielectric ISAF-ECAPD Aveiro, Portugal	2012
20	L.P. Curecheriu, A.M. Neagu, G. Apachitei, M.T. Buscaglia, G. Canu, L. Padurariu, M. Pop, L. Mitoseriu, V. Buscaglia	New magnetoelectric materials $\text{Ba}_{12}\text{Fe}_{28}\text{Ti}_{15}\text{O}_{84}$ intergrowth layered ferrite (poster)	Joint IEEE International Symposium on the Applications of Ferroelectrics & European Conference on Applications of Polar Dielectric ISAF-ECAPD Aveiro, Portugal	2012
21	Z.V. Mocanu, L.P. Curecheriu, M. Deluca, V. Buscaglia, L. Mitoseriu	Preparation and properties of Ce-doped BaTiO_3 ceramics (poster)	Joint IEEE International Symposium on the Applications of Ferroelectrics & European Conference on Applications of Polar Dielectric ISAF-ECAPD Aveiro, Portugal	2012
22	L. Padurariu, L. Curecheriu, V. Buscaglia, L. Mitoseriu	Modelling of the grain size effect on nonlinear properties in nanostructured ferroelectric ceramics (poster)	Joint IEEE International Symposium on the Applications of Ferroelectrics & European Conference on Applications of Polar Dielectric ISAF-ECAPD Aveiro, Portugal	2012
23	L. Padurariu, L. Curecheriu, L. Mitoseriu	Tailoring dc-tunability properties by local field engineering in ferroelectric structures (oral)	The 9 th International Conference on Physics of Advanced Materials (ICPAM-9) Iasi, Romania	2012
24	N. Horchidan, A.C. Ianculescu, M.V. Pop, L. Mitoseriu	Combined approach to study Sn doped BaTiO_3 ceramics (poster)	The 9 th International Conference on Physics of Advanced Materials (ICPAM-9) Iasi, Romania	2012
25	M.V. Pop, L. Stoleriu, L. Mitoseriu, C. Galassi	FORC analysis, polarization reversal and sub-switching properties of morphotropic phase boundary PZT ceramics (poster)	The 9 th International Conference on Physics of Advanced Materials (ICPAM-9) Iasi, Romania	2012
26	M.V. Pop, L. Stoleriu, N. Horchidan, L. Mitoseriu	Implementation of FORC measurements for ferroelectric ceramics: circuit design and numerical analysis (poster)	The 9 th International Conference on Physics of Advanced Materials (ICPAM-9) Iasi, Romania	2012
27	Z.V. Mocanu, L.P. Curecheriu, C.E. Ciomaga, L. Mitoseriu	Investigation of the relaxor-ferroelectric crossover in Ce-doped BaTiO_3 ceramics by impedance spectroscopy (poster)	The 9 th International Conference on Physics of Advanced Materials (ICPAM-9) Iasi, Romania	2012
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29	Z.V. Mocanu, M. Airimioaei, C.E. Ciomaga, F. Tudorache, L.P. Curecheriu, L. Mitoseriu	Investigation of electrical properties of $Mg_xNi_{1-x}Fe_2O_4$ spinel ceramics and application (poster)	The 9 th International Conference on Physics of Advanced Materials (ICPAM-9) Iasi, Romania	2012
30	A.M. Neagu, G. Apachitei, L. Curecheriu	Ageing of low field dielectric constant in Ce-doped $BaTiO_3$ based solid solution (poster)	The 9 th International Conference on Physics of Advanced Materials (ICPAM-9) Iasi, Romania	2012
31	L. Mitoseriu	Ferroelectric switching characteristics described by FORC method (oral)	Joint Conf. COST Action MP0904 & 9 th IEEE-ROMSC 2012 Iasi, Romania	2012
32	L. Padurariu, L. Curecheriu, V. Buscaglia, L. Mitoseriu	Modelling of the grain size effect on nonlinear dielectric properties in nanostructured ferroelectric ceramics (oral)	Joint Conf. COST Action MP0904 & 9 th IEEE-ROMSC 2012 Iasi, Romania	2012
33	A. Neagu, A. Ianculescu, L. Mitoseriu	Preparation and functional characterization of a new single-phase multiferroic: $Ba_{12}Fe_{28}Ti_{15}O_{84}$ (oral)	Joint Conf. COST Action MP0904 & 9 th IEEE-ROMSC 2012 Iasi, Romania	2012
34	N. Horchidan, A.C. Ianculescu, L.P. Curecheriu, L. Stoleriu, M.V. Pop, M. Deluca, L. Mitoseriu	High-field dielectric properties and Raman spectroscopic investigation of the ferroelectric-to-relaxor crossover in $BaSn_xTi_{1-x}O_3$ ceramics (poster)	Joint Conf. COST Action MP0904 & 9 th IEEE-ROMSC 2012 Iasi, Romania	2012
35	Z.V. Mocanu, M. Airimioaei, C.E. Ciomaga, F. Tudorache, L.P. Curecheriu, L. Mitoseriu	Preparation, characterization of $Mg_xNi_{1-x}Fe_2O_4$ ferrites and testing as humidity sensors (poster)	Joint Conf. COST Action MP0904 & 9 th IEEE-ROMSC 2012 Iasi, Romania	2012
36	F. Gheorghiu, L.P. Curecheriu, M. Calugăru, A.C. Ianculescu, L. Mitoseriu	Preparation and functional characterization of $BiFeO_3$ ceramics: a comparative study of the functional properties (poster)	Joint Conf. COST Action MP0904 & 9 th IEEE-ROMSC 2012 Iasi, Romania	2012
37	M.V. Pop, L. Stoleriu, L. Mitoseriu	FORC measurements for ferroelectric ceramics: circuit design & numerical analysis (poster)	Joint Conf. COST Action MP0904 & 9 th IEEE-ROMSC 2012 Iasi, Romania	2012
38	A.M. Neagu, V. Pascariu, C.E. Ciomaga, L. Mitoseriu	Preparation, structural and dielectric characterization of PZT/Carbon Nanotube composites by Spark Plasma Sintering (poster)	Joint Conf. COST Action MP0904 & 9 th IEEE-ROMSC 2012 Iasi, Romania	2012

	S.B Balmus, C.E. Ciomaga, N. Horchidan, I. Dumitru, L. Mitoseriu	Improvement of impedance spectroscopy methods. Sample's resonances analysis (poster)	Joint Conf. COST Action MP0904 & 9 th IEEE-ROMSC 2012 Iasi, Romania	2012
39	L. Padurariu, M. Alexe, L. Mitoseriu	Simulation of cross-talk phenomena in ferroelectric nanocapacitor systems (oral)	COST MP0904 Workshop on "Nanoscale Phenomena in Ferroics and Multiferroics", Belfast, Ireland	2013
40	F. Gheorghiu, L. Padurariu, Mihai V. Pop, C. Ciomaga, C. Capiani, C. Galassi, L. Mitoseriu	The role of porosity on the ferroelectric properties of PZTN ceramics: experiment ad mnodeling (poster)	COST MP0904 Action „Recent advances in ferro/piezoelectric and multiferroic-based composites” Faenza, Italy	2013
41	N. Horchidan, C. Galassi, M.V. Pop, H. Ursic, C. Capiani, B. Malic, L. Mitoseriu	Comparison between hard/soft PZT composite materials with different degree of mixing (oral)	COST MP0904 Action „Recent advances in ferro/piezoelectric and multiferroic-based composites” Faenza, Italy	2013
42	L. Padurariu, L. Curecheriu, M. Pop, C. Galassi, V. Buscaglia, L. Mitoseriu	The role of the local electric field inhomogeneity on the electrical properties of ferroelectric composites (oral)	COST MP0904 Action „Recent advances in ferro/piezoelectric and multiferroic-based composites” Faenza, Italy	2013
43	C.E. Ciomaga, A.M. Neagu, C. Galassi, L. Mitoseriu	Synthesis and functional properties of ferroelectric-carbon nanotube composites by Spark Plasma Sintering (oral)	COST MP0904 Action „Recent advances in ferro/piezoelectric and multiferroic-based composites” Faenza, Italy	2013
44	L.P. Curecheriu, V. Musteata, M.T. Buscaglia, V. Buscaglia, L. Mitoseriu	Influence of the lengthscale cation mixing degree on the dielectric and ferroelectric properties of BaZ _x Ti _{1-x} O ₃ ceramics (oral)	COST MP0904 Action Workshop „Recent advances in ferro/piezoelectric and multiferroic-based composites” Faenza, Italy	2013
45	F. Gheorghiu, L. Curecheriu, V. Musteata, S. Feraru, C. Ciomaga, N. Lupu, M. N. Palamaru, L. Mitoseriu	The structural and functional properties of Sm ₂ NiMnO ₆ double perovskite multiferroic ceramics prepared by sol-gel combustion method (poster)	COST MP0904 Action Workshop „Recent advances in ferro/piezoelectric and multiferroic-based composites” Faenza, Italy	2013
46	N. Horchidan, H. Ursic, B. Malic, A. Ianculescu, M. Deluca, M.V. Pop, L. Padurariu, L. Mitoseriu	Ferroelectric-relaxor crossover in Ba(Sn _x Ti _{1-x})O ₃ ceramics: study of properties at different lenghtscales (poster)	COST SIMUFER Action MP0904 Workshop “Advances in Ferroelectrics and Multiferroics”, Prague, Czech Republic	2013
47	L. Curecheriu, L. Stoleriu, C. Galassi,	Study of ferroelectric-antiferroelectric crossover in	Joint IEEE, UFFC, EFTF and PFM Symposium, Prague,	2013
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	F. Fochi, L. Mitoseriu	PLZT (x/90/10) ceramics (oral)	Czech Republic	
49	C.E. Ciomaga, M.V. Pop, L. Padurariu, M. Airimioaei, C. Galassi, L. Mitoseriu	Effect of composition on functional properties of ferroelectric-ferrite composite systems (poster)	Joint IEEE, UFFC, EFTF and PFM Symposium, Prague, Czech Republic	2013
50	C.E. Ciomaga and L. Mitoseriu	Synthesis and functional properties of ceramic composites: Experiment and modeling (invited)	IEEE- ROMSC Conference - 10 th Edition Iasi, Romania	2013
51	Z.V. Mocanu, L.P. Curecheriu, C.E. Ciomaga, L. Mitoseriu	Comparative study of the influence of sintering temperature on the functional properties of BaCe _x Ti _{1-x} O ₃ ceramics (poster)	IEEE- ROMSC Conference - 10 th Edition Iasi, Romania	2013
52	N. Horchidan, C. Galassi, C. Capiani, M.V. Pop, L. Padurariu, H. Ursic, B. Malic, L. Mitoseriu	Influence of different degree of mixing on dielectric properties of hard/soft PZT composite materials (oral)	IEEE- ROMSC Conference - 10 th Edition Iasi, Romania	2013
53	F. Gheorghiu, L.P. Curecheriu, A. Ianculescu, V. Musteata, L. Mitoseriu	Preparation and functional characterization of BiFeO ₃ ceramics: a comparative study of the dielectric properties (oral)	IEEE- ROMSC Conference - 10 th Edition Iasi, Romania	2013
54	M.V. Pop, N. Horchidan, L. Mitoseriu	Investigating New Application for Ferroelectric Materials (poster)	IEEE- ROMSC Conference - 10 th Edition Iasi, Romania	2013
55	A.M. Neagu, C. Padurariu, L. P. Curecheriu, L. Mitoseriu	Impedance analysis and tunability of BaTiO ₃ -chitosan composites: towards active dielectrics for flexible electronics (poster)	IEEE- ROMSC Conference - 10 th Edition Iasi, Romania	2013
56	R. Stanculescu, I. Turcan, C. Galassi, L. Mitoseriu	Preparation and characterization of porous Ba _{1-x} Sr _x TiO ₃ ceramics (poster)	IEEE- ROMSC Conference - 10 th Edition Iasi, Romania	2013
57	F. Gheorghiu, L. Curecheriu, V. Musteata, S. Feraru, C. Ciomaga, N. Lupu, M.N. Palamaru, L. Mitoseriu	The structural, electrical and magnetic properties of Sm ₂ NiMnO ₆ double perovskite multiferroic ceramics (poster)	13 th International Meeting on Ferroelectricity (IMF-13), Kraków, Poland	2013
58	C.E. Ciomaga, L. Padurariu, L.P. Curecheriu, N. Lupu, C. Galassi, L. Mitoseriu	Electric and ferroelectric properties of ferroelectric-carbon nanotubes ceramic composites (poster)	13 th International Meeting on Ferroelectricity (IMF-13), Kraków, Poland	2013

59	C.E. Ciomaga, M. Airimioaei, C. Galassi, L. Mitoseriu	Synthesis and functional characterization of MnFe ₂ O ₄ -PZTN magnetoelectric composites (oral)	FEMS EUROMAT 2013, Sevilla, Spain	2013
60	L. Mitoseriu	Study of multiphase materials with ferroelectric and magnetic order (invited)	FEMS EUROMAT 2013, Sevilla, Spain	2013
61	L. Mitoseriu	Nanocomposite multifunctional oxides: tailoring properties by nanostructuring and local field engineering (plenary)	Processes in isotopes and molecules International conference PIM, Cluj Napoca, Romania	2013
62	L. Mitoseriu	Study of multiphase ceramics with ferroelectric and magnetic order: new functional properties driven by interface reactions (oral)	Workshop on “Optical and Electrical Properties of Nanomagnets”, Paris, France	2013
63	C.E. Ciomaga, L.P. Curecheriu, L. Padurariu, N. Lupu, I. Lisiecki, C. Galassi and L. Mitoseriu	Enhanced ferroelectric properties of ferroelectric-CNTs composite ceramics (poster)	Closing COST MP0904 SIMUFER Conference, Genova, Italia	2014
64	L. Padurariu, L. Curecheriu, V. Buscaglia, L. Mitoseriu	FEM Models for Describing Size Effects on the Dielectric Properties in Nanostructured Ferroelectric Ceramics (poster) -50% acknowledgement with Bilateral project Italy-Romania)	Closing COST MP0904 SIMUFER Conference, Genova, Italia	2014
65	N. Horchidan, A. Ianculescu, H. Ursic, B. Malic, M. Deluca, M.V. Pop, L. Padurariu, L. Mitoseriu	Composition and size effects on the dielectric and ferroelectric properties of BaSn _x Ti _{1-x} O ₃ ceramics (oral)	Closing COST MP0904 SIMUFER Conference, Genova, Italia	2014
66	C.E. Ciomaga, N. Lupu, I. Lisiecki, C. Galassi and L. Mitoseriu	Preparation, microstructure and functional properties of multi-walled carbon nanotubes in ferroelectric matrix composites (oral)	COST Action IC1208 “Integrating devices and materials: A challenge for new instrumentation in ICT IC1208 Joint 3 rd Management Committee Meeting (MCM3) and Meetings of Working Groups WG1–WG4	2014
67	C.E. Ciomaga, S.B. Balmus, I. Dumitru, M. Airimioaei, C.	Impedance spectroscopy analysis at high frequencies of ferroelectric-ferrite ceramic	COST MP0904 Action Showcase, International Conference Electroceramics	2014

	Galassi, L. Mitoseriu	composites (poster)	XIV June 16-20, Bucuresti, Romania	
68	C.E. Ciomaga, M. Airimioaei, G. Stoian, I. Lisiecki, M. Deluca, C. Galassi, L. Mitoseriu	Structural, microstructural and electrical properties of CNTs ceramic composites (oral)	International Conference Electroceramics XIV June 16-20, Bucuresti, Romania	2014
69	N. Horchidan, A. Ianculescu, H. Ursic, B. Malic, M. Deluca, M.V. Pop, L. Padurariu, L. Mitoseriu	Functional properties of $Ba(Sn_xTi_{1-x})O_3$ ceramics with different microstructures (oral)	International Conference Electroceramics XIV June 16-20, Bucuresti, Romania	2014
70	L. Padurariu, L. Curecheriu, V. Buscaglia, L. Mitoseriu	Modeling the size effects on the dielectric properties in nanostructured ferroelectric ceramics (oral)	COST MP0904 Action Showcase, International Conference Electroceramics XIV June 16-20, Bucuresti, Romania	2014
71	C.E. Ciomaga, M. Airimioaei, G. Stoian, M. Deluca, C. Galassi, L. Mitoseriu	Effect of reoxidation annealing on electrical properties in ceramic composites (poster)	European Conference on Application of Polar Dielectrics ECAPD 2014, Vilnius, Lithuania	2014
72	I.V. Ciuchi, F. Craciun, L. Mitoseriu, C. Galassi	Dielectric Properties of La^{3+} doped PZT Ceramics across the antiferroelectric/ferroelectric phase boundary (oral)	PIEZO 2015 Conference, Maribor, Slovenia	2015
73	L. Padurariu, L. Mitoseriu, V. Buscaglia, C. Galassi, P. Vilarinho	Tailoring properties by local field engineering in ferroelectric-based composites (poster)	MP1308 COST Action “Towards oxide-based electronics TO-BE”, Spring Meeting, Aveiro, Portugal	2015
74	L. Padurariu, L. Curecheriu, V. Buscaglia, C. Galassi, L. Mitoseriu	Local field engineering for tailoring electrical properties in ferroelectric-based composites (invited)	The 8 th International Conference in Advanced Materials ROCAM 2015, Bucharest, Romania	2015
75	V. A. Lukacs, M. Airimioaei, C. E. Ciomaga, S. Tascu, L. Mitoseriu	Synthesis And Properties Of 1-D Nickel Oxide Structures Produced By Using Natural Fibers As Bio- Templates (poster)	10 th International Symposium on Hysteresis Modeling and Micromagnetics, Iasi, Romania	2015
76	N. Horchidan, A. Ianculescu, M. Deluca, L. Curecheriu, L. Padurariu	A combined micro/macro analysis of the influence of microstructure on functional properties of perovskite oxide ceramics (poster)	13 th European Meeting on Ferroelectricity EMF, Porto, Portugalia	2015

77	R. Stanculescu, N. Horchidan, C. E. Ciomaga, C. Galassi, L. Mitoseriu	Low and high field dielectric investigations of BT-based ferroelectric ceramics with different degrees of porosity (poster)	13 th European Meeting on Ferroelectricity EMF, Porto, Portugalia	2015
78	N. Horchidan, A. Ianculescu, L. Mitoseriu	A combined analysis of functional properties of perovskite oxide ceramics (oral)	The 8 th International Conference on Advanced Materials: ROCAM, Bucuresti, Romania	2015
79	F. Gheorghiu, L. Curecheriu, A. Ianculescu, M. Calugaru, O. Oprea, L. Mitoseriu	Tunable dielectric characteristics of the Mn-doped BiFeO ₃ multiferroic ceramics (poster)	13 th European Meeting on Ferroelectricity EMF, Porto, Portugalia	2015
80	I. Turcan, R.E. Stanculescu, C.E. Ciomaga, N. Horchidan, C. Galassi, L. Mitoseriu	Investigation of BaSrTiO ₃ porous ceramics (oral)	The Eleventh Conference for Young Scientists in Ceramics Workshop for Early Stage Researchers of the COST IC1208 Action, Novi Sad, Serbia	2015
81	I.V.Ciuchi, J.E. Guerrier, C. Chung, L. Mitoseriu, J.L. Jones, C.Galassi	Diffuse Phase transitions and Curie Weiss behavior of (Pb _{1-x} Lax)(Zr _{0.90} Ti _{0.10}) _{1-x/4} O ₃ (0.02 ≤ x ≤ 0.04) ceramics (oral)	1 st Research Triangle Nanotechnology Network Research Symposium, Raleigh, US	2016

ATLASE, DICTIONARE DE SPECIALITATE

ALTE PUBLICATII				
1	Horchidan Nadejda	<u>Teza de doctorat</u> – Studiul proprietăților unor soluții solide cu tranziție ferroelectric-relaxor		2012
2	Mocanu Zina	<u>Teza de doctorat</u> - Studiul proprietăților dielectrice și de conducție în sisteme ceramice oxidice cu aplicații în electronică		2013
3	Neagu Alexandra	<u>Teza de master</u> -Preparation and Characterization of Ferroelectric - Polymer Composites		2012
4	Apachitei Geanina	<u>Teza de master</u> - Polarisation reversal processes in ferroelectrics		2012
5	Padurariu Leontin	<u>Teza doctorat</u> - Dezvoltarea de modele combinate (FEM, Landau, Preisach) pentru descrierea proprietatilor funktionale ale materialelor ceramice.		2014

Lista achizițiilor realizate în cadrul proiectului

Denumire echipament	Categorie de achiziții*: (numai mijloace fixe)	Valoarea (lei)	Locație
Balanta cu 5 zecimale 81/120g Ohaus		15.221,00	Sala 374
Baie de nisip 6l		2.432,69	Sala 374
Placi achizitie		1.095,78	Sala 374
Laptop Lenovo		6.460,4	Sala 374
Cuptor calcinare temperatura 1300°C		15.379,46	Sala 374
Sursa de curent si tensiune HAMEG (2buc)		5.704,00	Sala 374
Interfata impedante		93.025,30	Sala 374
Sistem suport proba, model Solartron		5.509,54	Sala 374
Pachet software Zplot/CorrWare		34.192,33	Sala 374
Sistem de inalta precizie pt masuratori piezoelectrice PIEZOMETER PIEZOTEST PM300		41.037,37	Sala 374
Reactor hidrotermal		9.562,88	Sala 374
Pompa peristaltica		15.519,78	Sala 374
Presa manuala izostatica		105.704,00	Sala 374

Categorie de achiziții* :

1. Echipamente și aparatură de cercetare
2. Rețele de comunicații specializate
3. Baze de date și informații de specialitate
4. Echipamente și mijloace moderne de documentare și comunicare
5. Alte categorii

**Director proiect,
Prof.univ.dr. Liliana Mitoseriu**