



Curriculum vitae Europass



Informații personale

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Naționalitate(-tăți) **Romana**
Data și locul nașterii **06.04.1961, Falticeni, jud Suceava**
Sex **F**

Locul de muncă / Domeniul ocupațional **UNIVERSITATEA "AL.I.CUZA" IAȘI, ROMANIA, FACULTATEA DE FIZICA**

Experiența profesională

Perioada	01.09.1984-01.09.1987
Funcția sau postul ocupat	Profesor de Fizica
Activități și responsabilități principale	Activitate didactica
Numele și adresa angajatorului	Liceul Industrial Tg. Frumos, jud. Iasi
Tipul activității	Profesor de fizică
Perioada	01.09.1987-01.09.1990
Funcția sau postul ocupat	Fizician
Activități și responsabilități principale	Cercetare stiintifica
Numele și adresa angajatorului	Universitatea "Al.I.Cuza" Iași
Tipul activității	Cercetare, suplinire activitati didactice
Perioada	01.09.1990-01.09.1991
Funcția sau postul ocupat	Asistent universitar
Activități și responsabilități principale	Post didactic
Numele și adresa angajatorului	Universitatea "Al.I.Cuza" Iași
Tipul activității	Activitate didactica, cercetare
Perioada	01.09.1991-01.09.1999
Funcția sau postul ocupat	Lector universitar
Activități și responsabilități principale	Post didactic
Numele și adresa angajatorului	Universitatea "Al.I.Cuza" Iași

Tipul activitatii	Activitate didactica, cercetare
Perioada	01.09.1999 - 01.07.2000 si 01.01.2001 - 01.09.2004
Funcția sau postul ocupat	Conferentiar universitar
Activități și responsabilități principale	Post didactic
Numele și adresa angajatorului	Universitatea "Al.I.Cuza" Iași
Tipul activitatii	Activitate didactica, cercetare
Perioada	01.07.2000 - 01.12.2000
Funcția sau postul ocupat	Cercetator post-doc
Activități și responsabilități principale	Pozitie de cercetare
Numele și adresa angajatorului	Inst. of Energetics & Interphases Genoa, Italy
Tipul activitatii	Activitate de cercetare stiintifica
Perioada	01.01.2001-30.12.2001
Funcția sau postul ocupat	Cercetator post-doc
Activități și responsabilități principale	Pozitie de cercetare
Numele și adresa angajatorului	University of Aveiro, Portugal
Tipul activitatii	Activitate de cercetare stiintifica
Perioada	01.09.2004-prezent
Funcția sau postul ocupat	Profesor universitar
Activități și responsabilități principale	Post didactic
Numele și adresa angajatorului	Universitatea "Al.I.Cuza" Iași
Tipul activitatii	Activitate didactica, cercetare
Perioada	1.04.2005 – 30.12.2006
Funcția sau postul ocupat	Visiting Professor
Activități și responsabilități principale	Post de cercetare, didactic
Numele și adresa angajatorului	University of Genova, Italy
Tipul activitatii	Activitate didactica, cercetare

Educație și formare

Anul	2005
Calificarea / diploma obținută	Doctor in Chimie pentru Inginerie
Disciplinele principale studiate / competențe profesionale dobândite	Sisteme feroelectrice nanostructurate
Numele și tipul instituției de învățământ / furnizorului de formare	Università degli studi di Genova, Italia
Nivelul în clasificarea națională sau internațională	Gradul „Excelent”
Anul	1997
Calificarea / diploma obținută	Doctor in Fizica
Disciplinele principale studiate / competențe profesionale dobândite	Procese de polarizare in medii feroelectrice
Numele și tipul instituției de învățământ / furnizorului de formare	Universitatea Alexandru Ioan Cuza

Calificarea / diploma obținută **Licențiat în Fizică (Diploma de merit)**
 Disciplinele principale studiate / **Fizica**
 competențe profesionale dobândite
 Numele și tipul instituției de învățământ **Universitatea Alexandru Ioan Cuza**
 / furnizorului de formare
 Nivelul în clasificarea națională sau **Sef promotie pe tara in 1984 (media 10.00/10)**
 internațională

Aptitudini și competențe personale **Fizica si chimia sistemelor oxidice nanostructurate dielectrice, feroelectrice si multiferoice**

Limba(i) maternă(e) **Romana**

Limba(i) străină(e) cunoscută(e) **1. Engleza, 2. Italiana, 3. Franceza**

Autoevaluare Nivel european (*)	Înțelegere		Vorbire		Scriere
	Ascultare	Citire	Participare la conversație	Discurs oral	Exprimare scrisă
Limba Engleza	1	C2	C2	C2	C2
Limba Italiana	2	C2	C2	C2	B2
Limba Franceza	3	B1	B1	B1	A2

(*) [Nivelul Cadrului European Comun de Referință Pentru Limbi Străine](#)

Competente profesionale **Fizica si Chimia materialelor dielectrice, feroelectrice si multiferoice oxidice**

Competente organizationale si de coordonare Director al Departamentului de Cercetare al Facultatii de Fizica (2012-2015); Director sau coordonator al unor granturi nationale; Chair al Actiunii FP7-ESF-COST MP0904; Reprezentantul Romaniei in Comitetul de Management al Actiunilor COST 525, 539, IC 1208 si MP1308; Coordonator al Grupului de Dielectrics, Feroelectrics si Multiferoici la Facultatea de Fizica; Chair al conferintelor internationale Electroceramics XIV – Bucuresti; Membru al Comitetului Internatonal al conferintelor Electroceramics incepand cu anul 2004; Chair al International Congress of Ceramics ICC2 Verona, Foz do Iguacu si al unor Workshop-uri, Scoli de vara/toamna in cadrul unor proiecte europene sau internationale.

Activitati de predare Cursuri, seminarii, lab. de: Electricitate si magnetism, Electrodinamica, Electricitate si magnetism pentru aplicatii medicale, Fizica metalelor si aliajelor, Medii polarizabile, Fizica dielectricilor, Proprietati ale dielectricilor neliniari, Medii feroelectrice cu structura discreta, Fizica si tehnologia mediilor polarizabile, Fizica feroelectricilor si multiferoicilor, Fizica si tehnologia materialelor nanocompozite.

Activitate de cercetare stiintifica Materiale si sisteme bazate pe feroelectrics si multiferoici: experiment si model:
 a) 208 lucrari in jurnale cotate ISI, 9 brevete nationale, 9 carti (3 internationale)
 b) participari la granturi: 28 (dintre care 21 ca director, 6 coordonator din partea UAIC)
 c) Citari in reviste cotate ISI (fara auto-citari): 4200 (WoS), 5023 (Scopus), >6000 Google Academic; factor Hirsch h =36 (WoS), 38 (Scopus), 41 (Google Accademic)
 d) 52 prezentari invitate la conferinte internationale in strainatate.

Membru al scientific board al Journal "Processing and Application of Ceramics", incepand din 2007.
Invitatii pentru cursuri si seminarii stiintifice: Italia - Univ. Genoa, IENI-CNR Genoa si ISTECC-CNR Faenza, Cehia - Inst. of Physics, Czech Academy of Prague; Portugalia - Univ. Aveiro, Brazilia – UNESP, Inst. de Química, Araraquara, Sao Paolo; Franta: Univ. P. & M. Curie, Paris (nivel: Master, Scoala doctorala, post-doc), Univ. Artois, Lens (post-doc).

Premii: Lot Oriel & Hamamatsu award for the contribution "Functional properties of the (1-x)BiFeO₃-xBaTiO₃ solid solutions", by Felicia Prihor, A. Ianculescu, P. Postolache, L. Curecheriu, L. Mitoseriu, as one of the six best works of the 9th European Conference on Applications of Polar Dielectrics, Roma, 2008, Premiul Academiei Romane „Ștefan Procopiu” in Fizica pentru “Contributii la studiul experimental si teoretic al materialelor feroelectrice si multiferoice (unifazice si compozite)” (2013); Premiul de Excelenta al Univ. Al. I. Cuza din Iasi pentru femeii in stiinta si tehnologie, (2012).



Anexa I. Lista publicatiilor in reviste ISI

2020

1. Room temperature phase superposition as origin of enhanced functional properties in BaTiO₃ - based ceramics, Horchidan, Nadejda; Padurariu, Leontin; Ciomaga, Cristina E.; Curecheriu, Lavinia; Airimioaei, Mirela; Doroftei, Florica; Tufescu, Florin; Mitoseriu, Liliana, Journal of The European Ceramic Society, Volume 40, Issue 4, Pages 1258-1268, (2020) ISI=4.029
2. Nonlinear dielectric properties of BaTiO₃ - Silver composites: The role of microstructure, Lukacs, Vlad Alexandru; Turcan, Ina; Padurariu, Leontin; Curecheriu, Lavinia; Cernescu, Adrian; Stoian, George; Ciomaga, Cristina Elena; Tufescu, Florin; Lupu, Nicoleta; Mitoseriu, Liliana, Journal of Alloys And Compounds, Volume 817, Article number 153336, (2020) ISI=4.175
3. Biomorphic tubular nickel oxide structures: Effect of the synthesis parameters on their structural and functional properties, surface-related applications, Airimioaei, Mirela; Lukacs, Vlad A.; Lisiecki, Isabelle; Beauvier, Patricia; Blanchard, Juliette; Litic, Doina; Tascu, Sorin; Postolache, Petronel; Ciomaga, Cristina E.; Olariu, Marius; Mitoseriu, Liliana, Journal of Alloys And Compounds, Volume 816, Article number 152543, (2020) ISI=4.175
4. PVDF-ferrite composites with dual magneto-piezoelectric response for flexible electronics applications: synthesis and functional properties, Gheorghiu, Felicia; Stanculescu, Roxana; Curecheriu, Lavinia; Brunengo, Elisabetta; Stagnaro, Paola; Tiron, Vasile; Postolache, Petronel; Buscaglia, Maria Teresa; Mitoseriu, Liliana, Journal of Materials Science, Volume 55, Issue 9, Pages 3926-3939, (2020) ISI=3.442
5. Structural and functional properties of BaTiO₃ porous ceramics produced by using pollen as sacrificial template, Lukacs, Vlad Alexandru; Stanculescu, Roxana; Curecheriu, Lavinia; Ciomaga, Cristina Elena; Horchidan, Nadejda; Cioclea, Cipriana; Mitoseriu, Liliana, Ceramics International, Volume 46, Issue 1, Pages 523-530, (2020) ISI=3.45

2019

6. Comparative study of magnetoelectric BaTiO₃-Co_{0.8}Zn_{0.2} Fe₂O₄ bi-tunable ceramics sintered by Spark Plasma Sintering and classical method, Ciomaga, C.E. Guzu, A. Airimioaei, M. Curecheriu, L.P. Lukacs, V.A. Avadanei, O.G. Stoian, G. Grigoras, M. Lupu, N. Asandulesa, M. Mitoseriu, L., Ceramics International, Volume 45, Issue 18, Pages 24168 - 24175, (2019) ISI=3.45
7. Distributions of relaxation times in relaxor ferroelectric Ba(Ti_{0.8}Ce_{0.2})O₃, Adamchuk, D.; Grigalaitis, R.; Svirskas, S.; Macutkevicius, J.; Palaimiene, E.; Banyas, J.; Mitoseriu, L.; Canu, G.; Buscaglia, M. T.; Buscaglia, V., Ferroelectrics, Volume 553, Issue 1, Pages 103-110, (2019) ISI=0.697
8. Structural changes of cerium doped copper ferrites during sintering process and magneto-electrical properties assessment, Roman, Tiberiu; Pui, Aurel; Lukacs, Alexandru, V.; Cimpoesu, Nicanor; Lupescu, Stefan; Borhan, Adrian Iulian; Kordatos, Konstantinos; Ntziouni, Afroditi; Postolache, Petronel; Zaharia, Marius; Stanciu, Sergiu; Mitoseriu, Liliana, Ceramics International, Volume 45, Issue 14, Pages 17243- 17251, (2019) ISI=3.45
9. Functional properties of randomly mixed and layered BaTiO₃-CoFe₂O₄ ceramic composites close to the percolation limit, Guzu, Alexandra; Ciomaga, Cristina E.; Airimioaei, Mirela; Padurariu, Leontin; Curecheriu, Lavinia P.; Dumitru, Ioan; Gheorghiu, Felicia; Stoian, George; Grigoras, Marian; Lupu, Nicoleta; Asandulesa, Mihai; Mitoseriu, Liliana, Journal of Alloys And Compounds, Volume 796, Pages 55-64, (2019) ISI=4.175
10. Ferroelectric order driven Eu³⁺ photoluminescence in BaZr_{0.1}Ti_{0.9}O₃ perovskite, Canu, Giovanna; Bottaro, Gregorio; Buscaglia, Maria Teresa; Costa, Chiara; Condurache, Oana; Curecheriu, Lavinia; Mitoseriu, Liliana; Buscaglia, Vincenzo; Armelao, Lidia, Scientific Reports, Volume 9, Article number 6441, (2019) ISI=4.011
11. Functional properties of percolative CoFe₂O₄-PbTiO₃ composite, C.E. Ciomaga, M. Airimioaei, I. Turcan, A.V. Lukacs, S. Tascu, M. Grigoras, N. Lupu, J. Banyas, Liliana Mitoseriu, J. Alloys & Compounds, Volume 775, Pages 90-99 (2019), ISI=4.175

2018

12. Preparation and functional characterization of magnetoelectric Ba(Ti_{1-x}Fe_x)O_{3-x/2} ceramics. Application for a miniaturized resonator antenna, F. Gheorghiu, C.E. Ciomaga, M. Simenas, M. Airimioaei, S. Qiao, S. Tascu, V. Kalendra, J. Banyas, O.G. Avadanei, Liliana Mitoseriu, Ceramics International Volume 44, Issue 17, Pages 20862-20870 (2018), ISI: 3.057
13. Microstructure and dielectric properties of Ag-BaTiO₃ composite ceramics, I. Turcan, V.A. Lukacs, L. Curecheriu, L. Padurariu, C.E. Ciomaga, M. Airimioaei, G. Stoian, N. Lupu, Liliana Mitoseriu, J. European Ceramic Society, Volume 38, Issue 16, Pages 5420-5429 (2018), ISI: 3.794
14. Magnetic properties of multilayer BaTiO₃/NiFe₂O₄ thin films prepared by solution deposition technique, B. Bajac, M. Milanovic, Z. Cvejic, A. Ianculescu, P. Postolache, Liliana Mitoseriu, V.V. Srdic, Ceramics International, Volume 44, Issue 13, Pages 15965-15971 (2018), ISI: 3.057
15. Structure-property correlations and origin of relaxor behaviour in BaCexTi_(1-x)O₃, G. Canu, G. Confalonieri, M. Deluca, L. Curecheriu, M.T. Buscaglia, M. Asandulesa, N. Horchidan, M. Dapiaggi, Liliana Mitoseriu, V. Buscaglia, Acta Materialia, Volume 152, Pages 258-268 (2018), ISI: 6.036
16. Multiferroic and magnetoelectric properties of Pb-0.99[Zr_{0.45}Ti_{0.47}(Ni_{1/3}Sb_{2/3})_{0.08}] O-3-CoFe₂O₄ multilayer composites fabricated by tape casting, G. Schileo, C. Pascual-Gonzalez, M. Alguero, I.M. Reaney, P. Postolache, Liliana Mitoseriu, K. Reichmann, M. Venet, A. Feteira, J. European Ceramic Society Volume 38, Issue 4, Pages 1473-1478 (2018), ISI: 3.794
17. Field induced metastable ferroelectric phase in Pb_{0.97}La_{0.03}(Zr_{0.90}Ti_{0.10})(Zr_{0.90}Ti_{0.10})(0.9925)O₃ ceramics, I.V. Ciuchi, C.C. Chung, C.M. Fancher, C. Capiani, J.L. Jones, Liliana Mitoseriu, C. Galassi, J. European Ceramic Society, Volume 38, Issue 4, Pages 1479-1487 (2018), ISI: 3.794

2017

18. Field-induced antiferroelectric to ferroelectric transitions in (Pb_{1-x}La_x)(Zr_{0.90}Ti_{0.10})_(1-x/4)O₃ investigated by in situ X-ray diffraction, I.V. Ciuchi, C.C. Chung, C.M. Fancher, J. Guerrier, J.S. Forrester, J.L. Jones, Liliana Mitoseriu, C. Galassi, J. European Ceramic Society, Volume 37, Issue 15, Pages 4631-4636 (2017), ISI: 3.794
19. Modeling of cross-talk phenomena in thin film ferroelectric nanocapacitor arrays by finite element method combined with Monte Carlo calculations, L. Padurariu and Liliana Mitoseriu, J. Applied Physics, Volume 122, Issue 14, No. 144106 (2017) ISI: 2.176
20. SrTiO₃-BaTiO₃ nanocomposites with temperature independent permittivity and linear tunability fabricated using field-assisted sintering from chemically synthesized powders, M. Airimioaei, M.T. Buscaglia, I. Tredici, U. Anselmi-Tamburini, C.E. Ciomaga, L. Curecheriu, A. Bencan, V. Buscaglia, Liliana Mitoseriu, J. Materials Chemistry C, Volume 5, Issue 35, Pages 9028-9036 (2017) ISI: 5.976
21. Preparation and structural characterization of Fe-doped BaTiO₃ diluted magnetic ceramics, F. Gheorghiu, M. Simenas, C.E. Ciomaga, M. Airimioaei, V. Kalendra, J. Banyas, M. Dobromir, S. Tascu, Liliana Mitoseriu, Ceramics International, Volume 43, Issue 13, Pages 9998-10005 (2017), ISI: 3.057
22. Frequency mixing application based on BaTiO₃ ceramic: Design and functional characterization, M.V. Pop, N. Horchidan, A.C. Ianculescu, Liliana Mitoseriu, International Journal of Applied Ceramic Technology, Volume 14, Issue 4, Pages 593-603 (2017), ISI: 1.165
23. Dielectric and phonon spectroscopy of Nb-doped Pb(Zr_{1-y}Ti_y)O₃-CoFe₂O₄ composites, A. Sakanas, D. Nuzhnyy, R. Grigalaitis, J. Banyas, F. Borodavka, S. Kamba, C.E. Ciomaga, Liliana Mitoseriu, J. Applied Physics, Volume 121, Issue 21, No. 214101 (2017), ISI: 2.176
24. Role of the pore interconnectivity on the dielectric, switching and tunability properties of PZTN ceramics, C. Padurariu, L. Padurariu, L. Curecheriu, C. Ciomaga, N. Horchidan, C. Galassi, Liliana Mitoseriu, Ceramics International Volume 43, Issue 7, Pages 5767-5773 (2017), ISI: 3.057
25. Tailoring the functional properties of PLZT-BaTiO₃ composite ceramics by core-shell approach, L.P. Curecheriu, M.T. Buscaglia, F. Maglia, C. Padurariu, G. Ciobanu, U. Anselmi-Tamburini, V. Buscaglia, Liliana Mitoseriu, J. Applied Physics, Volume 121, Issue 14, No. 144101 (2017), ISI: 2.176
26. Porosity dependent properties of Nb-doped Pb(Zr,Ti)O₃ ceramics, F. Gheorghiu, L. Padurariu, M. Airimioaei, L. Curecheriu, C. Ciomaga, C. Padurariu, C. Galassi and Liliana Mitoseriu, J. American Ceramic Society, Vol. 100, Issue 2, Pages 647-658 (2017), ISI: 2.956

2016

27. Porous (Ba,Sr)TiO₃ ceramics for tailoring dielectric and tunability properties: Modelling and experiment, Processing and Applications of Ceramics, Volume 11, Issue 4, Pages 235-246 (2017), ISI: 1.152
28. Towards novel functional properties by interface reaction in mixtures of BaTiO₃-Fe₂O₃ composite ceramics, O. Condurache, I. Turcan, L. Curecheriu, C. Ciomaga, P. Postolache, G. Ciobanu, Liliana Mitoseriu, Ceramics International Volume 43, Issue 1, Part B, Pages 1098-1105 (2017), ISI: 3.057
29. PZT-cobalt ferrite particulate composites: densification and lead losses control by quite-fast sintering, P. Galizia, C.E Ciomaga, Liliana Mitoseriu, C. Galassi, Journal of the European Ceramic Society Volume 37, Issue 1, Pages 161–168 (2017), ISI: 3.794
30. Effect of particle size and volume fraction of BaTiO₃ powders on the functional properties of BaTiO₃/poly(ϵ -caprolactone) composites, M. Airimioaei, R. Stanculescu, V. Preutu, C. Ciomaga, N. Horchidan, S. Tascu, D. Litic, A. Pui, Liliana Mitoseriu, Materials Chemistry and Physics 182, 246-255 (2016), ISI: 2.084
31. Diffuse phase transition and high electric field properties of BaCe_yTi_{1-y}O₃ relaxor ferroelectric ceramics, L.P. Curecheriu, C. Ciomaga, V. Musteata, G. Canu, V. Buscaglia, Liliana Mitoseriu, Ceramics International, Volume 42, Pages 11085-11092 (2016), ISI: 2.986
32. A comparative study of hard/soft PZT-based ceramic composites, N. Horchidan, C.E.Ciomaga, R.C.Frunza, C.Capiani, C.Galassi, Liliana Mitoseriu, Ceramics International, 429 Pages 125–9132 (2016), ISI: 2.986
33. Engineering magnetoelectric composites towards application as tunable microwave filter, C. E. Ciomaga, O. G. Avadanei, I. Dumitru, M. Airimioaei, S. Tascu, F. Tufescu, and Liliana Mitoseriu, J. Phys. D: Appl. Phys. Volume 49, Pages 125002 (2016), ISI: 2.588
34. The influence of post-sintering re-oxidation treatment on dielectric response of dense and porous Ba_{0.70}Sr_{0.30}TiO₃ ceramics, R. E. Stanculescu, C. E. Ciomaga, N. Horchidan, C. Galassi, F. M. Tufescu, Liliana Mitoseriu, Ceramics International, Volume 42, Pages 527–536 (2016), ISI: 2.986
35. Nonlinear dielectric properties of paraelectric-dielectric composites described by a 3D Finite Element Method based on Landau-Devonshire theory, Leontin Padurariu, Lavinia Curecheriu, Liliana Mitoseriu, Acta Materialia, Volume 103, Pages 724-734 (2016), ISI: 5.301
36. Yttrium Iron Garnet/Barium Titanate Multiferroic Composites, Giorgio Schileo, Cristina Pascual-Gonzalez, Miguel Alguero, Ian M. Reaney, Petronel Postblache, Liliana Mitoseriu, Klaus Reichmann, and Antonio Feteira, J. American Ceramic Society, Volume 99, Issue 5, Pages 1609–1614 (2016) ISI: 2.841
37. Comment on “The Impact of Composite Effect on Dielectric Constant and Tunability in Ferroelectric-Dielectric System”, L. Padurariu and Liliana Mitoseriu, J. American Ceramic Society, Volume 99, Issue 11, Pages 3816–3817 (2016) ISI: 2.841
38. Antiferroelectric to Ferroelectric Crossover and Energy Storage Properties of (Pb_{1-x}Lax)(Zr_{0.90}Ti_{0.10})_{1-x/4}O₃ (0.02 ≤ x ≤ 0.04) Ceramics, Ioana Veronica Ciuchi, Liliana Mitoseriu, and Camen Galassi, J. American Ceramic Society, Volume 99, Issue 7, Pages 2382-2387 (2016) ISI: 2.841

2015

39. Functional properties of Sm₂NiMnO₆ multiferroic ceramics prepared by spark plasma sintering, Gheorghiu, Felicia; Curecheriu, Lavinia; Lisiecki, Isabelle;Beunier, Patricia; Feraru, Simona; Palamaru, Mircea N.; Musteata, Valentina; Lupu, Nicoleta; Mitoseriu, Liliana, JOURNAL OF ALLOYS AND COMPOUNDS Volume 649 Pages 151- Published 2015 Times Cited: 0, ISI: 3.014
40. The effect of annealing on microstructure and cation distribution of NiFe₂O₄, Cvejic, Z.; Durdic, E.; Ivandekic, G. Mkvic; Bajac, B.; Postolache P.; Mitoseriu L.; Srdic, V. V.; Rakic, S., JOURNAL OF ALLOYS AND COMPOUNDS Volume 649 Pages 1231- Published 2015 Times Cited: 0, ISI: 3.014
41. Microstructural influence on the broadband dielectric properties of BaTiO₃-Ni_{0.5}Zn_{0.5}Fe₂O₄ core-shell composites: Experiment and modeling, Sakanas, A.; Grigalaitis, R.; Banys, J.; Curecheriu, L.; Mitoseriu L.; Buscaglia V., JOURNAL OF APPLIED PHYSICS Volume 118 Pages 174106, Published 2015 Times Cited: 0, ISI: 2.101
42. Preparation and properties of La doped PZT 90/10 ceramics across the ferroelectric-antiferroelectric phase boundary, Ciuchi, I. V.; Craciun, F.; Mitoseriu, L.; Galassi, C., JOURNAL OF ALLOYS AND COMPOUNDS Volume 646 Pages 16 - Published 2015 Times Cited: 0, ISI: 3.014
43. Study of the role of porosity on the functional properties of (Ba,Sr)TiO₃ ceramics, Stanculescu, Roxana; Ciomaga, Cristina E.; Padurariu, Leontin; Galizia, Pietro; Horchidan, Nadejda; Capiani, Claudio; Galassi, Carmen; Mitoseriu, Liliana, JOURNAL OF ALLOYS AND COMPOUNDS Volume 643 Pages 79 - Published 2015 Times Cited: 0, ISI: 3.014
44. Formation mechanism and characteristics of lanthanum-doped BaTiO₃ powders and ceramics prepared by the sol-gel process, Ianculescu, Adelina Carmen; Vasilescu, Catalina Andreea; Crisan, Maria;Raileanu, Malina; Vasile, Bogdan Stefan; Calugaru, Mihai; Crisan, Dorel; Dragan, Nicolae; Curecheriu, Lavinia; Mitoseriu, Liliana, MATERIALS CHARACTERIZATION COMPOUNDS Volume Pages - Published 2015 Times Cited: 0, ISI:
45. Improvement of impedance spectroscopy methods: resonance analysis of samples, Balmus, Sorin-Bogdan; Ciomaga, Cristina E.; Horchidan, Nadejda; Mitoseriu, Liliana; Dumitru, Ioan, MEASUREMENT SCIENCE & TECHNOLOGY Volume 26 Pages 65601 - Published 2015 Times Cited: 0, ISI:
46. Refining the phase diagram of Pb_{1-x}Lax(Zr_{0.9}Ti_{0.1})(1-x/4)O₃ ceramics by structural, dielectric, and anelastic spectroscopy investigations, Craciun, F.; Cordero, F.; Ciuchi, I. V.; Mitoseriu, L.; Galassi, C., JOURNAL OF APPLIED PHYSICS Volume 117 Pages 184103 Published 2015 Times Cited: 0, ISI: 2.101
47. The Alternative Expression of Lichtenecker's Logarithmic Mixture Formula and Its Application to the Broadband Dielectric Spectroscopy of BaTiO₃-Ni_{0.5}Zn_{0.5}Fe₂O₄ Composites, Sakanas, A.; Grigalaitis, R.; Ivanov, M.; Banys, J.; Mitoseriu, L.; Buscaglia, V.; Nanni, P. FERROELECTRICS Volume 479 Pages 90 - Published 2015 Times Cited: 0, ISI:
48. Impedance spectroscopy characterization of relaxation mechanisms in gold-chitosan nanocomposites, Neagu, Alexandra; Curecheriu, Lavinia; Airimioaei, Mirela; et al., Composites Part B-Engineering, Volume 71 Pages 210 (2015) Times Cited: 3, ISI: 3.850

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Anexa II. Carti

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2. "Fizica mediilor polarizabile", L. Mitoseriu, V. Tura, Ed. Univ. "Al. I. Cuza" Iasi, 1998, 170 pages (in Romanian)
3. "Fizica dielectricilor", L. Mitoseriu, V. Tura, Ed. Univ. "Al. I. Cuza" Iasi, 1999, ISBN 973-9312-50-0, 311 pages (in Romanian)
4. "Electricitate si magnetism", L. Mitoseriu, V. Tura, Ed. Univ. "Al. I. Cuza" Iasi, 2000, 360 pages (in Romanian)
5. "Electricitate și Magnetism", L. Mitoseriu, Vasile Tura, CIDD-CP/IDESC Publishing Center, Iasi, 2000, 152 p., ISSN 1221-9363.
6. "New developments in advanced functional ceramics", *Research Signpost* 37/661 (2), Fort P.O., Trivandrum-695 023, Kerala, India (nov. 2006), L. Mitoseriu: Editor, ISBN: 81-7895-248-3 and author of chapters:
 - cap. 2. "Ferroelectric-relaxor crossover in PbFe_{2/3}W_{1/3}O₃ – PbTiO₃ solid solutions", L. Mitoseriu, A. Ianculescu, p. 19-60
 - cap. 12 "Multiferroic BiFeO₃: functional properties and possible mechanisms for high polarization", L. Mitoseriu, A. Ianculescu, D. Ricinski, p. 317-338
 - cap. 5, "BaTiO₃ nanopowders and nanocrystalline ceramics: II. Ceramics", L. Mitoseriu, V. Buscaglia, M.T. Buscaglia, M. Viviani, P. Nanni, p. 119-144
7. "CERAMICI AVANSATE CU APLICATII IN MICROELECTRONICA: Sisteme micro- si nanostructurate pe baza de titanat de bariu", A. Ianculescu, L. Mitoseriu, Ed. Politehnica Press, 2007, ISBN 978-973-7838-37-7, 205 pag (in Romanian)
8. "Ba(Ti,Zr)O₃ – Functional materials: from nanopowders to bulk ceramics", A. Ianculescu, L. Mitoseriu, in: *Advances in Nanotechnology*, Vol. 3, 2010, Nova Science Publ. ISBN: 978-1-61668-161-6
 "Nanoscale Ferroelectrics and Multiferroics Key Processing and Characterization Issues, and Nanoscale Effects", Edited by Miguel Alguero, J. Marty Gregg, Liliana Mitoseriu, Ed. Wiley, Publ. ISBN 978-1-118-93575-0, Vol II, 2016; <https://onlinelibrary.wiley.com/doi/book/10.1002/9781118935743> and co-author of chapters:
 - Chapter 15 "Nanostructured Barium Titanate Ceramics : Intrinsic versus Extrinsic Size Effects", L. Mitoseriu, L.P. Curecheriu, pp. 473-511
 - Chapter 18 "Local Field Engineering Approach for Tuning Dielectric and Ferroelectric Properties in Nanostructured Ferroelectrics and Composites", L. Padurariu, L. Mitoseriu, pp. 588-616
9. C.E. Ciomaga and Liliana Mitoseriu, **Chapter 21 Ferroelectric Perovskite-Spinel Ferrite Ceramics**, (26 pag.) in *Magnetic, Ferroelectric, and Multiferroic Metal Oxides* (Eds. B. Stojanovic, G. Korotcenkov), Elsevier, ISBN 978-0-12-811180-2 (2017), pp. 433-456; <https://www.sciencedirect.com/science/article/pii/B9780128111802000219>
10. C. Hutanu, V.A. Lukacs, L. Mitoseriu, Chapter "Electroceramics: Modelling of sintering, microstructure evolution and functional properties", in *Encyclopedia of Materials: Technical Ceramics and Glasses*, Reference Module in Materials Science and Materials Engineering, Elsevier ; Book ISBN: 9780128185421, **Published Date:** 22nd March 2021 (eds. M. J. Pomeroy, F. Cambier, C. Galassi, S. Hampshire, A. Leriche); [DOI: 10.1016/B978-0-12-803581-8.12078-8](https://doi.org/10.1016/B978-0-12-803581-8.12078-8)

Anex III. Prezentari invitate la conferinte internationale

1. "Double Barrier Schottky theory for PTCR effect in n-doped BaTiO₃ ceramics", L. Mitoseriu, M. Viviani, A.S. Siri, P. Nanni, COST 525 European Concerted Action on Advanced Electroceramics: Grain Boundary Engineering – Dielectrics and Semiconductors Working Group Meeting, Genoa, Italy, May 11-14, 2002 (invited talk)
2. "Tailoring of perovskite-like oxides powders: effects on microstructure and properties", M.T. Buscaglia, V. Buscaglia, L. Mitoseriu, P. Nanni, A. Testino, M. Viviani, Taller latino-americano de Materiales Ferroelectricos – La Habana, Cuba 24-26 June 2002 (invited talk)
3. "Tailoring of perovskite-like oxides powders throughout a continuous precipitation process", M.T. Buscaglia, V. Buscaglia, L. Mitoseriu, P. Nanni, A. Testino, M. Viviani, *Synthesis and Methodologies in Inorganic Chemistry*, Trends in Nanoscience, Bressanone, Italy 8-11 Dec. 2002 (invited talk)
4. "High density nanocrystalline BaTiO₃: preparation and characterisation", M.T. Buscaglia, V. Buscaglia, C. Harnagea, L. Mitoseriu, P. Nanni, A. Testino, and M. Viviani, *Electrocerámica VI – Castellón* (Spain), June 19th-21st, 2003 (invited talk)
5. "BaTiO₃: from nanopowders to dense nanocrystalline ceramics", M.T. Buscaglia, V. Buscaglia, L. Mitoseriu, P. Nanni, A. Testino, M. Viviani, Indianapolis IN, USA, 106th Annual Meeting and Exposition to The American Ceramic Society, 18 - 21 April 2004 (invited talk)
6. "Grain size and grain boundary dependent phenomena in BaTiO₃ ceramics", L. Mitoseriu, 3rd Brasil-MRS Meeting SBPMat, Foz do Iguacu, Oct. 10-13 2004 (invited talk)
7. "Preparation of high-density nanocrystalline BaTiO₃ ceramics sintered from tailored nanopowders", P. Nanni, A. Testino, M.T. Buscaglia, V. Buscaglia, L. Mitoseriu, M. Viviani and R.V. Calderone, 3rd Brasil-MRS Meeting SBPMat, Foz do Iguacu, Oct. 10-13 2004 (invited talk)
8. "Preparation, characterisation and applications of nanocrystalline BaTiO₃ ceramics", P. Nanni, A. Testino, M.T. Buscaglia, V. Buscaglia, L. Mitoseriu, M. Viviani and R.V. Calderone, *Jornadas de Ciencia Aplicada a la Industria Cerámica – Univ. Jaume I, Castellón* (Spain), July 4th-6th, 2005 (invited talk)
9. "Grain size and grain boundary phenomena in BaTiO₃ dense nanocrystalline ceramics: towards the superparaelectric state", V. Buscaglia, M.T. Buscaglia, M. Viviani, L. Mitoseriu, A. Testino, P. Nanni, Z. Zhao, M. Nygren, 11th International Meeting on Ferroelectricity IMF11, Sept. 5-9, 2005, Foz do Iguacu, Argentina / Brazil (invited talk)

10. "Magnetoelectric phenomena in single phase and composite systems", L. Mitoseriu, IEEE Magnetic Society Chapter of the Romania Section IEEE-ROMSC, 24-26 Oct. 2005, Iasi, Romania (opening lecture)
11. "Preparation of perovskites nanopowders and sintering to dense nanocrystalline ceramics", P. Nanni, M.T. Buscaglia, V. Buscaglia and L. Mitoseriu, 21th Electrochemical Society Meeting - Nanostructured Metal Oxides: Processing and Applications, Cancun (Mexico), October 29th - November 3rd, 2006 (invited lecture)
12. Preparation and characterisation of nanocrystalline BaTiO₃ and SrTiO₃ ceramics obtained from tailored nanopowders", P. Nanni, M.T. Buscaglia, V. Buscaglia, L. Mitoseriu and M. Viviani, IV Congreso Peruano de Ciencia y Tecnología de Materiales, Lima (Perù), November 12th - 15th, 2006 (invited talk)
13. "Core-Shell Composite Particles: A Versatile Approach to the Synthesis of Dielectric and Ferroelectric Materials", V. Buscaglia, M.T. Buscaglia, M. Viviani, L. Mitoseriu, R. Alessio, P. Nanni, ACERS 2007, Symposium on Advanced Dielectric, Piezoelectric and Ferroelectric Materials, Cocoa Beach, Jan 2007 (Invited talk)
14. "Tailoring of perovskite oxides nanopowders: particles size and morphology control to produce nanocrystalline dense ceramics", M.T. Buscaglia, V. Buscaglia, M. Viviani, L. Mitoseriu and P. Nanni, IEEE Magnetic Society Chapter of the Romania Section IEEE-ROMSC, May 2007 Iasi, Romania (invited talk)
15. "Tailoring of perovskite oxide nanopowders and sintering to nanocrystalline dense ceramics", P. Nanni, M.T. Buscaglia, R.V. Calderone, V. Buscaglia, L. Mitoseriu and M. Viviani, 6th International Congress in Materials Science & Engineering Iasi (Romania), May 24th-27th, 2007 (invited lecture)
16. "Ferroelectric-magnetic composites: intrinsic and extrinsic interplay contributions to the functional properties", L. Mitoseriu, 10th International Conference and Exhibition of the European Ceramic Society, June 17 - 21, 2007, Berlin (invited talk)
17. "Synthesis and Tailoring of Perovskite Oxides by a Precipitation Reaction: from Particles Size and Morphology Control to Nanocrystalline Dense Ceramics", P. Nanni, M. Buscaglia, V. Buscaglia, L. Mitoseriu, M. Viviani, 10th International Conference and Exhibition of the European Ceramic Society, June 17 - 21, 2007, Berlin (invited talk)
18. "Perovskite-like oxides: sintering of pure and core-shell tailored nanosized powders to dense nanocrystalline ceramics", M.T. Buscaglia, V. Buscaglia, M. Viviani L. Mitoseriu and P. Nanni, 11th European Meeting on Ferroelectricity-EMF, Bled (Slovenia) September 2nd - 7th 2007, (invited lecture)
19. "Tailoring of perovskite oxides nanopowders: particles size and morphology control to produce nanocrystalline dense ceramics", M.T. Buscaglia, V. Buscaglia, M. Viviani L. Mitoseriu and P. Nanni, International Conference on Advanced Materials and Composites, Trivandrum (India) October 24-26th, 2007 (invited lecture)
20. "Tailoring of perovskite oxides nanopowders: particles size and morphology control to obtain nanocrystalline dense ceramics", P. Nanni, M.T. Buscaglia, V. Buscaglia, L. Mitoseriu, 32nd International Cocoa Beach Conference & Exposition on Advanced Ceramics and Composites Daytona Beach (USA) January 27th - February 1st, 2008 (invited lecture)
21. "First order reversal curves diagrams for describing ferroelectric switching characteristics: anisotropic porosity-related bias and grain size effects", L. Mitoseriu, L. Stoleriu, A. Stancu, C. Galassi, V. Buscaglia, COST 539 WORKSHOP - FABRICATION, PROPERTIES & APPLICATIONS OF ELECTROCEAMIC NANOSTRUCTURES, Genoa, June 26th-28th, 2008 (invited lecture)
22. "First-order reversal curves diagrams for describing ferroelectric switching characteristics", L. Mitoseriu, L. Stoleriu, A. Stancu, C. Galassi, V. Buscaglia, 2nd International Congress on Ceramics ICC2 Verona, Italy 29 June-4th July, 2008 (invited lecture)
23. "In-situ preparation of multiferroic magnetoelectric nanocomposites", L. Mitoseriu, L.P. Curecheriu, F. Prihor, V. Buscaglia, P. Nanni, FARPHYS 2008, Iasi (invited lecture)
24. "In-situ preparation of multiferroic composite with core-shell structures", L. P. Curecheriu, M.T. Buscaglia, V. Buscaglia, A. Ianculescu, P. Postolache, L. Mitoseriu, P. Nanni, 6th Workshop "Advanced Functional Characterization of Nanostructured Materials", 24 - 25 February, 2009, Madrid, Spain
25. "Intrinsic - extrinsic interplay contributions to the functional properties of magnetoelectric composites", Liliana Mitoseriu, The First Workshop: "Nanostructured ceramics and nanocomposites - Challenges and perspectives"; The Second Training School "Characterization of nanostructured materials", Novi Sad December 2009 (invited lecture)
26. "Preparation of core-shell perovskite structure with restricted geometries by soft chemistry methods", M.T. Buscaglia, V. Buscaglia, A. Bassano, L.P. Curecheriu, L. Mitoseriu, P. Nanni, The First Workshop: "Nanostructured ceramics and nanocomposites - Challenges and perspectives"; The Second Training School "Characterization of nanostructured materials", Novi Sad December 2009 (invited lecture)
27. "Grain Size Effect on the Nonlinear Dielectric Properties of Barium Titanate Ceramics", L. Curecheriu, M.T. Buscaglia, V. Buscaglia, Z. Zhao and L. Mitoseriu, invited (5A-11, Session 5A Integrated ferroelectrics: thin films, nanosized architectures, size effects), 12th European Meeting on Ferroelectricity June 26th - July 1st 2011, Bordeaux, France
28. "New functional properties driven by nanoscale interface reactions in magnetoelectric ceramics produced from core-shell Fe₂O₃@BaTiO₃ powders, L. Curecheriu, M.T. Buscaglia, V. Buscaglia, P. Postolache, A. Stancu, L. Mitoseriu, E-MRS 2011 FALL MEETING, Sept. 2011, Warsaw University of Technology, (invited lecture: Symposium A)
29. "Ferroelectric-magnetic composites with emergent electromagnetic properties", L. Mitoseriu, IEEE-ROMSC Iasi, 17th - 18th October 2011 (invited)
30. "Size and interface effects in nanostructured dense ferroelectric ceramics", Liliana Mitoseriu, "The Ninth Students' Meeting, SM-2011" and "The Second ESR Workshop, COST MP0904", November 16-18, 2011, Novi Sad, Serbia (invited lecture).
31. "Study of multiphase materials with ferroelectric and magnetic order", Liliana Mitoseriu and V. Buscaglia, EUROMAT Conference, Sevilla, Spain, 8-13.09.2013 (invited lecture)
32. Magnetoelectric composites: advanced synthesis methods, intrinsic vs. extrinsic properties and modeling, Liliana Mitoseriu, Training School SIMUFER COST Action MP0904 Ljubljana, Slovenia, 23-30.01.2013 (invited lecture)
33. "Nanocomposite multifunctional oxides: tailoring properties by nanostructuring and local field engineering", Liliana Mitoseriu, PIM 2013 Conference "Processes in isotopes and molecules", Cluj Napoca, Romania, 25-27 Sept. 2013 (invited lecture)
34. "Local field engineering for tailoring electrical properties in ferroelectric-based composites", L. Padurariu, L. Curecheriu and Liliana Mitoseriu, The 8th International Conference on Advanced Materials ROCAM 2015, Bucharest, Romania (invited lecture)
35. "Local field engineering for tailoring electrical properties in ferroelectric-metallic particles composites", L. Padurariu, L. Curecheriu, C. Ciomaga, M. Airimioaei, I. Turcan, A. Lukacs & Liliana Mitoseriu, Electroceramics XVI (Symp. C Theory and Modelling), Hasselt, Belgium, July 2018 (invited lecture).

Anexa IV. Director sau coordonator de granturi:

1. Grant Nr. 7011, 7/1443: "Experimental study and modelling of dielectric properties of ferroelectric ceramics", (1997-1998): Director
3. Grant Nr. 15/48/70, "Study of switching properties in BaTiO₃ ceramic and interpretation in the frame of Landau dipole theory", (1998-1999): Director
4. Grant Nr. 175, "Study of the dielectric properties of (Hf, Zr)-BaTiO₃ and study of the electric properties", (1999-2000): Director
6. Grant A: "Study of ferroelectric polarization under low fields (Rayleigh region)", (2000-2001): Director
7. Grant A code 624: "Study of nanocrystalline and nanopolar ceramics", (2004-2006): Director
8. Grant MATNANTECH "Multifunctional nanostructured films with tunable properties - DEFAZOR", (2004-2006): Coordinator of the UAIC group (director: dr. R. Piticescu)

9. Grant CEEF-FEROCER "Integrated developing of concepts and technologies for preparation, characterization, modeling and applications of nanostructured ferroelectric ceramics", (2006-2008): Coordinator of the UAIC group (director prof. dr. A. Ianculescu)
10. Grant AC-CONSMEMF "Multidisciplinary consortium for investigating multiferroic systems with magnetoelectric coupling", (2006-2008): Director
13. Grant POSDRU/89/1.5/S/49944 (2010-2013) "Dezvoltarea capacității de inovare și creșterea impactului cercetării prin programe post-doctorale": Scientific responsible
14. Grant POSDRU/89/1.5/S/63663 "Rețea transnațională de management integrat al cercetării postdoctorale în domeniul Comunicarea Științei. Construcție instituțională (Scoală post-doctorală) și program de burse (CommSci)", (2010-2013): Asistent manager.
15. Grant CNCS-UEFISCDI PN-II-ID-PCE-2011-3-0745 "Material design, preparation, properties and modeling of multifunctional oxides structures for microelectronics and new energy storage applications", (2011-2016): Director.
16. Bi-lateral project Romania-Slovenia, "Dielectric spectroscopy and tunability of low-temperature processed complex perovskites (acronym DISTUNAB)" (2012-2013): Director.
17. Bi-lateral project Romania-Italia, „Investigarea unor noi sisteme BaO-TiO-FeO multiferroic: de la design de material la aplicații magnetoelectrice” (MULTIFER) (2013-2014): Director.
18. Grant CNCS-PNII-PCCE-2011-2-0006 "Effect of interfaces on charge transport in ferroic/multiferroic heterostructures" (2012-2016): Coordinator of the UAIC group (director dr. Lucian Pintilie).
19. Grant PN-II-PT-PCCA-2013-4-1119 "Compozite magnetoelectrice cu proprietati emergente pentru aplicatii in comunicatii fara fir si senzori" (MECOMAP) (2014-2017): Director.
20. Grant PN-III-P4-ID-PCE-2016-0817 "Fundamental research of scale-dependent phenomena in barium titanate based ferroelectrics: critical grain and nanostructuring effect" (FerroScale), (2017-2019): Director
21. Grant PN-III-P4-ID-PCCF-2016-0175 "Nanostructuri particulare de tip multistrat cu constanta dielectrica ridicata cu aplicatii pentru stocarea energiei si dispozitive nanoelectronice" (HighKDevice), (2018-2022): Coordinator of the UAIC group (director conf. dr. A. Rotaru).

Membru in alte granturi:

- PN-II-RU-TE-2012-3-150 (Dir. proiect dr. Lavinia Curecheriu) "Investigation of the mesoscopic polar order and size effects in driving polarization mechanisms of tunability in perovskites (IMPOTUN)" (2013-2016).
- PNII-RU-TE-2014-4-1494 (Dir. proiect dr. Leonțin Padurariu) "Exploatarea porozității în materiale ferroelectrice prin controlul câmpului local pentru îmbunătățirea proprietăților funcționale (EXPOFER)" (2015-2017).
- PCCE ID_76 (Dir. Proiect. Dr. C. Teodorescu) "Știința suprafețelor și interfețelor: fizica, chimie, biologie, aplicații (NANOMATGIANT)" (2010-2013).
- European Project FP7-SCIENCE-IN-SOCIETY 2011-1 (Dir. Proiect. Prof. dr. D. Balahur) "Structural Transformation to Achieve Gender Equality in Science" (STAGES) (2012-2015).

Anexa V. Colaborari internationale:

1. Group of prof. P. Nanni, Univ. of Genoa, Faculty of Engineering, DICheP, Genoa, Italy and IENI-CNR Genoa (dr. V. Buscaglia, dr. M. Viviani, dr. M.T. Buscaglia) – Nanostructured BaTiO₃ ceramics, Multiferroics, Functional composites with core-shell structures (bi-lateral agreements) starting with 2001
2. Group of prof. M. Okuyama (dr. Dan Ricinschi, drd. D. Popovici) Osaka University, Graduate School of Engineering Science, Osaka, Japan – Modeling of ferroelectric properties in BaTiO₃ ceramics and films of Pb(Zr,Ti)O₃ on the basis of Landau-Ginzburg-Devonshire theories: 1995-2005
3. Group of Prof. A.S. Siri, Physics Department, University of Genova & LAMIA-INFN, Italy – Lead-free relaxors, magnetic properties of multiferroic materials, magnetoelectric phenomena: 2004-2005
4. Group from Univ. of Aveiro, Department of Ceramic and Glass Engineering, Portugal (prof. P.M. Vilarinho and prof. P.Q. Mantas) – Properties of lead-based relaxor materials: 2000-2001
5. Group of dr. Catalin Harnagea, Univ. of Quebec, Canada (starting with 2005)
6. Group of dr. Jan Petzelt, Institute of Physics, Academy of Sciences of the Czech Republic, Prague, Czech Republic – Characterisation of ferroelectrics by vibrational spectroscopy, grain size and grain boundary effects in BaTiO₃ nanocrystalline ceramics
7. Group of dr. Carmen Galassi, ISTE-CNR Faenza, Italy – Properties of porous ceramics: FORC and Preisach modeling; piezoelectric-magnetic composites (bi-lateral agreement starting with 2005)
8. ERASMUS Agreement Univ. "Al.I. Cuza" Iasi, Romania - Univ. Genova, Italia (2005-2012) and with IENI-CNR (now ICMATE-CNR) Genoa: exchange of 15 students (undergraduate, Master, PhD, post-docs)
9. ERASMUS Agreement Univ. "Al.I. Cuza" Iasi, Romania – Inst. ISTE-CNR, Faenza, Italia (2013-2014): exchange of 2 PhD students
10. Group of prof. Maria Kosec and prof. Barbara Malic, Jožef Stefan Institute, Ljubljana (bi-lateral agreement starting with 2011)
11. Group of prof. Juras Banyas, University of Vilnius, Lithuania (Erasmus exchanges and scientific collaboration)
12. Group of prof. Vladimir Srdic, University of Novi Sad, Serbia (scientific and PhD students exchanges).

Anexa VI. Brevete

1. Author(s): L.P. Curecheriu, A.C. Ianculescu, L. Mitoseriu, F. Tufescu, F.M. Tufescu, Title: BST ceramic material, method for measuring tunability and BST ceramic device for measuring high voltage by galvanic separation, Patent No: RO125528-A2; RO125566-A0
 - a. Author(s): A. Ianculescu, L. Mitoseriu, L.P. Curecheriu, F.M. Tufescu, F. Tufescu, Title: Metoda de masurare a tunibilitatii pentru materialele ceramice; Brevet Nr. A/00168/6.05.2009
2. Author(s): A. Ianculescu, G. Voicu, D. C. Berger, L. Mitoseriu, F. Prihor, Title: Procedeu de preparare a soluțiilor solide de tip BiFeO₃-BaTiO₃ de înaltă puritate și produs ceramic cu proprietăți dielectrice și feromagnetice optime obținute prin acesta/ PROCESS FOR PREPARING HIGH PURITY SOLID SOLUTIONS OF THE TYPE BiFeO₃-BaTiO₃ AND CERAMIC PRODUCT WITH OPTIMAL DIELECTRIC AND FERROMAGNETIC PROPERTIES PRODUCED THEREBY, Patent Number: RO123236-B1, Patent Assignee: UNIV POLITEHNICA DIN BUCUREȘTI; Brevet OSIM, Nr. 123236/30.03.2011
3. Author(s): A.C. Ianculescu, L. Mitoseriu, L.P. Curecheriu, F.M. Tufescu, F. Tufescu, Title: Method for measuring tunability of ceramic materials, involves using circuit having high voltage source controlled by function generator and applying high voltage to assay-sample through protection resistor, Brevet Nr: RO125567-A0
4. Author(s): L. Mitoseriu, V. Pascariu, C.E. Ciomaga, Title: Compozite ferroelectric-rasină epoxidică cu gradient compozițional pentru adaptare de impedanță în domeniul 2 - 4 GHz, Nr. OSIM: A/00855, 17.03.2014

5. Author(s): Mihai Valentin Pop, Liliana Mitoseriu, Title: Interfață de tensiune înaltă pentru măsurarea proprietăților electrice ale materialelor dielectrice și feroelectrice, Nr. OSIM: A/00861, 04.03.2014
6. Author(s): C. E. Ciomaga, M. Airimioaei, L. Mitoseriu, N. Lupu, Title: Compozit magnetoelectric ceramic obținut prin procedeul de preparare in situ, cu proprietăți feromagnetice, magnetostrictive și permitivități de ordinul sutelor, Nr. OSIM: A/00314 2017, RO-BOPI 11/2018
7. Author(s): F. M. Tufescu, L. Mitoseriu, C. E. Ciomaga, N. Lupu, M. V. Pop, F. Tufescu
Title: Senzor de câmp magnetic variabil cu structură magnetoelectrică stratificată din ceramică Pb(Zr,Ti)O₃ și microbenzi din Fe₇₈Si₉B₁₃, Nr. OSIM: A/00422 2017, RO-BOPI 12/2018.

Anexa VII. Premii

1. Lot Oriel & Hamamatsu award for the contribution "Functional properties of the (1-x)BiFeO₃-xBaTiO₃ solid solutions", by Felicia Prihor, A. Ianculescu, P. Postolache, L. Curecheriu, L. Mitoseriu, as one of the six best works of the 9th European Conference on Applications of Polar Dielectrics, Roma, 2008
2. Awards of Romanian Academy „Ștefan Procopiu” for „Contribuții la investigarea complexa experimental teoretică a sistemelor feroelectrice și multiferoice unifazice și compozite”, 19 DEC. 2013
3. Women's annual science and technology Excellence Award 2012 from "Al. I. Cuza" Univ. of Iasi (2013).