



Europass Curriculum Vitae

Personal information

First name(s) / Surname(s) **LILIANA MITOSERIU**
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E-mail lmitsr@uaic.ro
Nationality **Romanian**
Date of birth **06.04.1961, Falticeni, jud Suceava**
Gender **Female**

Present employment / position **University Full Professor at "Alexandru Ioan Cuza" University of Iasi, Romania**

Work experience

Dates **1.09.2004 – present**
Occupation or position held **University Full Professor**
Name and address of employer **"ALEXANDRU IOAN CUZA" UNIVERSITY OF IASI, ROMANIA, FACULTY OF PHYSICS**
Type of business or sector **Teaching and research activity**

Dates **1.04.2005 – 30.12.2006**
Occupation or position held **Visiting Professor**
Name and address of employer **UNIVERSITY OF GENOVA, ITALY**
Type of business or sector **Teaching and research activity**

Dates **01.09.1999 - 01.07.2000 and 01.01.2001 - 01.09.2004**
Occupation or position held **Associate Professor**
Name and address of employer **"ALEXANDRU IOAN CUZA" UNIVERSITY OF IASI, ROMANIA,, FACULTY OF PHYSICS**
Type of business or sector **Teaching and research activity**

Dates **01.01.2001-30.12.2001**
Occupation or position held **Post-doc Researcher**
Name and address of employer **UNIVERSITY OF AVEIRO, PORTUGAL**
Type of business or sector **Research activity**

Dates **01.07.2000 - 01.12.2000**
Occupation or position held **Post-doc Researcher**
Name and address of employer **Institute of Chemistry and Physics Applied to Materials ICPAM-CNR (now Inst. of Energetics & Interphases) Genoa, Italy**
Type of business or sector **Research activity**

Dates **01.09.1990 - 01.09.1999**
Occupation or position held **Assistant, Lecturer**

Name and address of employer "ALEXANDRU IOAN CUZA" UNIVERSITY OF IASI, ROMANIA, FACULTY OF PHYSICS
Type of business or sector Teaching and research activity

Dates 01.09.1987-01.09.1990

Occupation or position held Researcher

Name and address of employer "ALEXANDRU IOAN CUZA" UNIVERSITY OF IASI, ROMANIA, FACULTY OF PHYSICS
Type of business or sector Research activity

Dates 01.09.1984-01.09.1987

Occupation or position held High school Physics Teacher

Name and address of employer Industrial High School Tg. Frumos, Iasi, Romania
Type of business or sector Teaching activity

Education and training

Dates 2005

Title of qualification awarded PhD in Chemistry for Engineering, degree "Excellent"; Thesis title: *Investigation of the role of chemical inhomogeneity and grain size effects towards the relaxor behaviour in perovskite systems*

Principal subjects/occupational skills covered Nanostructured ferroelectric ceramics, grain size effects

Name and type of organisation providing education and training University of Genoa, Italy

Dates 1997

Title of qualification awarded PhD in Physics; Thesis title: *Study of polarization processes in nonlinear dielectrics with discrete structure*

Principal subjects/occupational skills covered Polarisation mechanisms in particulated ferroelectrics, switching properties: experiment and modeling

Name and type of organisation providing education and training "Alexandru Ioan Cuza" University of Iasi, Romania

Dates 1987

Title of qualification awarded Graduated in Physics (Diploma with honours Series A nr. 74 (score: 10(ten)/10 and B.Sc. final exam with score 10(ten)/10, first ranking in the country in 1984)

Principal subjects/occupational skills covered Physics

Name and type of organisation providing education and training "Alexandru Ioan Cuza" University of Iasi, Romania

Personal skills and competences

Mother tongue(s) Romanian

Foreign languages (1) English, (2) Italian, (3) French

Self-assessment
European level (*)

Understanding		Speaking		Writing	
Listening	Reading	Spoken interaction	Spoken production		
(1) C2 Proficient user	C2 Proficient user	C2 Proficient user	C2 Proficient user	C2	Proficient user

(2)	C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user	B2	Independent user
(3)	B2	Independent user	B2	Independent user	A2	Basic user	A2	Basic user	A2	Basic user

(*) [Common European Framework of Reference for Languages](#)

The grid consists of three broad levels as follows:

- Basic user (levels A1 and A2);
- Independent user (levels B1 and B2);
- Proficient user (levels C1 and C2).

Professional skills and competences	Physics and Chemistry of nanostructured dielectric, ferroelectric and multiferroic oxides
Organisational skills and competences	Director of the research department of the Faculty of Physics, Director of national grants, Chair of European FP7-ESF-COST Action MP0904, Romanian representative in MC COST 525 and 539 Actions, Leader of the Dielectrics, Ferroelectrics & Multiferroics group at the Faculty of Physics, Director of the research department (Faculty of Physics); Chair of Electroceramics XIV, Bucharest, International Congress of Ceramics ICC2 Verona, various Workshops, Training schools in Romania and abroad under various EU projects.
Teaching activities	Courses, seminars and laboratories of: Electricity and electrotechnics; Electrodynamics; Electricity and magnetism for medical applications; Physics of metals and alloys; Polarizable media; Physics of dielectrics; Properties of non-linear dielectrics; Ferroelectrics with discrete structure; Physics and technology of polarized media; Dielectrics; Physics of ferroelectrics and multiferroics, Physics and technology of nanocomposite materials.
Scientific research activity	Ferroelectrics and Multiferroics, Advanced materials: experimental and modeling: (a) co-author of 174 ISI papers, ISI factor=57.29, 7 Romanian patents with ISI index, 9 books (3 international) (b) participation to scientific grants: 23 (10 as director, 5 coordinator) (c) ISI citations (excluding self-citations): 2030 citations in ISI journals; Hirsch factor h =24 (d) 51 invited talks to international meetings
Additional information	<ul style="list-style-type: none"> ➤ Member of the scientific board of the Journal "Processing and Application of Ceramics", starting with 2007. ➤ International agreements and active research collaboration with: IENI-CNR Genoa, Univ. Genoa, LAMIA-INFM Genoa, ISTEC-CNR Faenza (Italy), Univ. Osaka (Japan), Univ. Quebec (Canada), Univ. Aveiro (Portugal), Inst. of Physics (Czech Republic), J. Stefan Inst. (Slovenia), Univ. P.&M. Curie, Paris (France); ERASMUS and COST Agreements and active students exchange (more than 15 students sent in EU labs for training/research stages); ➤ Invitation for lectures & seminars: Univ. of Genoa, Univ. Aveiro, IENI-CNR Genoa, ISTEC-CNR Faenza, Italy, Inst. of Physics, Czech Academy of Prague, UNESP-Inst. de Química, Araraquara, Sao Paulo, Brasil (level: Master, Doctoral school, post-docs).

Appendices Please attach a selection of journal papers, books, research grants, brevets, etc. relevant for the master program(s) under assessment

Annex I. List of publications in ISI journals

2016

1. 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. Lutic A. Pui, L. Mitoseriu, Materials Chemistry and Physics (2016) accepted, ISI: 2.101
2. PZT-cobalt ferrite particulate composites: densification and lead losses control by quite-fast sintering, P. Galizia, C. E Ciomaga, L. Mitoseriu, C. Galassi, Journal of the European Ceramic Society (2016) sent to, ISI: 2.933
3. 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 L. Mitoseriu, J. Am Cer Soc (2016) sent to, ISI: 2.787
4. Diffuse phase transition and high electric field properties of BaCeyTi_{1-y}O₃ relaxor ferroelectric ceramics, L.P. Curecheriu, C. Ciomaga, V. Musteata, G. Canu, V. Buscaglia, L. Mitoseriu, Ceramics International Volume 42 Pages 11085–11092 Published 2016, ISI: 2.758
5. A comparative study of hard/soft PZT-based ceramic composites, N. Horchidan, C.E.Ciomaga, R.C.Frunza, C.Capiani, C.Galassi, L.Mitoseriu, Ceramics International Volume 429 Pages 125–9132 Published 2016, ISI: 2.758

6. Engineering magnetoelectric composites towards application as tunable microwave filter, C. E. Ciomaga, O. G. Avadanei, I. Dumitru, M. Airimioaei, S. Tascu, F. Tufescu, and L. Mitoseriu, *J. Phys. D: Appl. Phys.* Volume 49, Pages 125002 Published 2016, ISI: 2.721
7. 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, L. Mitoseriu, *Ceramics International* Volume 42 Pages 527–536 Published 2016, ISI: 2.787.

2015

8. 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 Published 2016, ISI: 5.058
9. Functional properties of Sm₂NiMnO₆ multiferroic ceramics prepared by spark plasma sintering, Gheorghiu, Felicia; Curecheriu, Lavinia; Lisiecki, Isabelle; Beaunier, 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
10. The effect of annealing on microstructure and cation distribution of NiFe₂O₄, Cvejic, Z.; Durdic, E.; Ivandekic, G. Ivkovic, B.; 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
11. 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
12. 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
13. 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
14. 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:
15. 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:
16. Refining the phase diagram of Pb_{1-x}Lax(Zr_{0.9}Ti_{0.1})(1-x/4)O-3 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
17. 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:
18. 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 - Published 2015 Times Cited: 3, ISI: 3.850

2014

19. Design tunable materials: Ferroelectric-antiferroelectric composite with core-shell structure, Curecheriu, Lavinia-Petronela; Buscaglia, Maria Teresa; Maglia, Filippo; Anselmi-Tamburini, Umberto; Buscaglia, Vincenzo; Mitoseriu, Liliana, *APPLIED PHYSICS LETTERS* Volume 105 Pages 252901 - Published 2014 Times Cited: 0, ISI:
20. Multiscale study of ferroelectric-relaxor crossover in BaSn_xTi_{1-x}O₃ ceramics, Horchidan, N.; Ianculescu, A. C.; Vasilescu, C. A.; Mitoseriu L. et al. *JOURNAL OF THE EUROPEAN CERAMIC SOCIETY* Volume: 34 Issue: 15 Pages: 3661-3674 Published: DEC 2014, Times Cited: 0, ISI: 2.307
21. Impedance analysis and tunability of BaTiO₃-chitosan composites: Towards active dielectrics for flexible electronics, Neagu, A. M.; Curecheriu, Lavinia P.; Cazacu, A.; Mitoseriu, L. et al. *COMPOSITES PART B-ENGINEERING* Volume: 66 Pages: 109-116 Published: NOV 2014, Times Cited: 0, ISI: 2.602
22. Novel magnetoelectric ceramic composites by control of the interface reactions in Fe₂O₃@BaTiO₃ core-shell structures, Curecheriu L.; Postolache, P.; Buscaglia, M. T.; Mitoseriu, L. et al., *JOURNAL OF APPLIED PHYSICS* Volume: 116 Issue: 8 Article Number: 084102, Published: AUG 28 2014, Times Cited: 0, ISI: 2.602
23. Broadband dielectric spectroscopy of BaTiO₃-Ni_{0.5}Zn_{0.5}Fe₂O₄ composite ceramics, Sakanas, A.; Grigalaitis, R.; Banys, J.; Mitoseriu, L. et al. *JOURNAL OF ALLOYS AND COMPOUNDS* Volume: 602 Pages: 241-247 Published: JUL 25 2014, Times Cited: 2, ISI: 2.726
24. Characterization of Yttrium Iron Garnet/Barium Titanate Multiferroic Composites Prepared by Sol-Gel and Coprecipitation Methods, Schileo, G.; Feteira, A.; Reaney, Ian M.; Mitoseriu, L. et al., *INTERNATIONAL JOURNAL OF APPLIED CERAMIC TECHNOLOGY* Volume: 11, Issue: 3 Special Issue: SI Pages: 457-467 Published: MAY 2014, Times Cited: 0, ISI: 1.215
25. Investigation of the functional properties of Mg_xNi_{1-x}Fe₂O₄ ceramics, Mocanu, Z. V.; Airimioaei, M.; Ciomaga, C. E.; Mitoseriu, L. et al., *JOURNAL OF MATERIALS SCIENCE* Volume: 49 Issue: 8 Pages: 3276-3286 Published: APR 2014, Times Cited: 0, ISI: 2.305
26. Effect of dysprosium substitution on crystal structure and physical properties of multiferroic BiFeO₃ ceramics, Koval, V.; Skorvanek, I.; Reece, M.; Mitoseriu, L. et al., *JOURNAL OF THE EUROPEAN CERAMIC SOCIETY* Volume: 34 Issue: 3 Pages: 641-651 Published: MAR 2014, Times Cited: 2, ISI: 2.307
27. Structural Investigation and Functional Properties of Mg_xNi_{1-x}Fe₂O₄ Ferrites, Airimioaei, M.; Palamaru, M.-N.; Iordan, A. R.; Mitoseriu, L. et al., *JOURNAL OF THE AMERICAN CERAMIC SOCIETY* Volume: 97, Issue: 2, Pages: 519-526 Published: FEB 2014, Times Cited: 1, ISI: 2.428
28. Investigation of low field dielectric properties of anisotropic porous Pb(Zr,Ti)O-3 ceramics: Experiment and modeling (vol 114, 214101, 2013), Olariu, C. S.; Padurariu, L.; Stanculescu, R.; Mitoseriu, L. et al., *JOURNAL OF APPLIED PHYSICS* Volume: 115 Issue: 2 Article Number: 029902 Published: JAN 14 2014, Times Cited: 0, ISI: 2.602
29. Self-Organization and/or Nanocrystallinity of Co Nanocrystals Effects on the Oxidation Process Using High-Energy Electron Beam Cazacu, A.; Larosa, C.; Beaunier, P.; Mitoseriu, L. et al., *ADVANCED FUNCTIONAL MATERIALS* Volume: 24 Issue: 1 Pages: 164-170 Published: JAN 2014, Times Cited: 0, ISI: 10.439

2013

30. Investigation of low field dielectric properties of anisotropic porous Pb(Zr,Ti)O-3 ceramics: Experiment and modeling, Olariu, C. S.; Padurariu, L.; Stanculescu, R.; Mitoseriu, L. et al., *JOURNAL OF APPLIED PHYSICS* Volume: 114 Issue: 21 Article Number: 214101 Published: DEC 7 2013, Times Cited: 1, ISI: 2.602
31. Determination of bone mineral volume fraction using impedance analysis and Bruggeman model, Ciuchi, I. V.; Olariu, C. S.; Mitoseriu, L., Conference: 9th International Conference on Physics of Advanced Materials (ICPAM) Location: Alexandru Ioan Cuza Univ Iasi, Iasi, ROMANIA Date:

SEP 20-23, 2012, Sponsor(s): Romanian Minist Educ & Res, MATERIALS SCIENCE AND ENGINEERING B-ADVANCED FUNCTIONAL SOLID-STATE MATERIALS Volume: 178 Issue: 19 Special Issue: SI Pages: 1296-1302 Published: NOV 20 2013, Times Cited: 2, ISI:2.122

32. Dielectric properties of PZT-epoxy composite thick films, Pascariu, V.; Padurariu, L.; Avadanei, O.; Mitoseriu, L et al., JOURNAL OF ALLOYS AND COMPOUNDS Volume: 574 Pages: 591-599 Published: OCT 15 2013, Times Cited: 1, ISI:2.726
33. Preparation and functional characterization of BiFeO₃ ceramics: A comparative study of the dielectric properties, Gheorghiu, F.; Calugaru, M.; Ianculescu, A.; Mitoseriu, L et al., SOLID STATE SCIENCES Volume: 23 Pages: 79-87 Published: SEP 2013, Times Cited: 0, ISI:1.679
34. Untitled, Mitoseriu, L.; Bany, J.; Roleder, K., PHASE TRANSITIONS Volume: 86 Issue: 7 Special Issue: SI Pages: 633-634 Published: JUL 1 2013, Times Cited: 0, ISI:1.044
35. BaTiO₃-ferrite composites with magnetocapacitance and hard/soft magnetic properties, Curecheriu, L.; Postolache, P.; Buscaglia, V.; Mitoseriu, L et al., PHASE TRANSITIONS Volume: 86 Issue: 7 Special Issue: SI Pages: 670-680 Published: JUL 1 2013, Times Cited: 2, ISI:1.044
36. Investigation of the ferroelectric-relaxor crossover in Ce-doped BaTiO₃ ceramics by impedance spectroscopy and Raman study Curecheriu, L. P.; Deluca, M.; Mocanu, Z. V.; Mitoseriu, L et al., PHASE TRANSITIONS Volume: 86 Issue: 7 Special Issue: SI Pages: 703-714 Published: JUL 1 2013, Times Cited: 2, ISI:1.044
37. Preparation and characterization of PbTiO₃-epoxy resin compositionally graded thick films, Pascariu, V.; Avadanei, O.; Gasner, P.; Mitoseriu, L et al., PHASE TRANSITIONS Volume: 86 Issue: 7 Special Issue: SI Pages: 715-725 Published: JUL 1 2013, Times Cited: 4, ISI:1.044
38. Preparation of Bi₂Fe₄O₉ particles by hydrothermal synthesis and functional properties, Gheorghiu, F.; Tanasa, R.; Buscaglia, M. T.; Mitoseriu, L et al., PHASE TRANSITIONS Volume: 86 Issue: 7 Special Issue: SI Pages: 726-736 Published: JUL 1 2013, Times Cited: 0, ISI:1.044
39. Tunable gold-chitosan nanocomposites by local field engineering, Cazacu, A.; Curecheriu, L.; Neagu, A.; Mitoseriu, L et al., APPLIED PHYSICS LETTERS Volume: 102 Issue: 22 Article Number: 222903 Published: JUN 3 2013, Times Cited: 2, ISI:3.515
40. Tunable dielectric characteristics of Mn-doped BiFeO₃ multiferroic ceramics, Gheorghiu, F.; Curecheriu, L.; Ianculescu, A.; Mitoseriu, L et al., SCRIPTA MATERIALIA Volume: 68 Issue: 5 Pages: 305-308 Published: MAR 2013, Times Cited: 0, ISI:2.968

2012

41. Ferroelectric and dielectric properties of ferrite-ferroelectric ceramic composites, Ciomaga, C. E.; Neagu, A.M.; Pop, M. V.; Mitoseriu, L et al., JOURNAL OF APPLIED PHYSICS Volume: 113 Issue: 7 Article Number: 074103 Published: FEB 21 2013, Times Cited: 6, ISI:2.602
42. Grain Size-Dependent Properties of Dense Nanocrystalline Barium Titanate Ceramics, Curecheriu, Lavinia; Balmus, Sorin-Bogdan; Buscaglia, Maria Teresa; Mitoseriu, L et al., JOURNAL OF THE AMERICAN CERAMIC SOCIETY Volume: 95 Issue: 12 Pages: 3912-3921 Published: DEC 2012, Times Cited: 8, ISI:2.107
43. Low field permittivity of ferroelectric-ferrite ceramic composites: Experiment and modeling, Ciomaga, C. E.; Olariu, C. S.; Padurariu, L.; Mitoseriu, L et al., JOURNAL OF APPLIED PHYSICS Volume: 112 Issue: 9 Article Number: 094103 Published: NOV 1 2012, Times Cited: 1 ISI:2.143
44. Investigation of the composition-dependent properties of BaTi_{1-x}Zr_xO₃ ceramics prepared by the modified Pechini method, Deluca, M.; Vasilescu, C. A.; Ianculescu, A. C.; Mitoseriu, L et al. JOURNAL OF THE EUROPEAN CERAMIC SOCIETY Volume: 32 Issue: 13 Pages: 3551-3566 Published: OCT 2012, Times Cited: 24, ISI:2.360
45. Preparation and magnetolectric properties of NiFe₂O₄-PZT composites obtained in-situ by gel-combustion method, Ciomaga, C.E.; Airimioaei, M.; Nica, V.; Mitoseriu, L et al. JOURNAL OF THE EUROPEAN CERAMIC SOCIETY Volume: 32 Issue: 12 Pages: 3325-3337 Published: SEP 2012, Times Cited: 8, ISI:2.360
46. Field-dependent permittivity in nanostructured BaTiO₃ ceramics: Modeling and experimental verification, Padurariu, L.; Curecheriu, L.; Buscaglia, V.; Mitoseriu, L et al., PHYSICAL REVIEW B Volume: 85 Issue: 22 Article Number: 224111 Published: JUN 20 2012, Times Cited: 11 ISI:3.767
47. Tailoring non-linear dielectric properties by local field engineering in anisotropic porous ferroelectric structures, Padurariu, L.; Curecheriu, L.; Galassi, C.; Mitoseriu, L et al., APPLIED PHYSICS LETTERS Volume: 100 Issue: 25 Article Number: 252905 Published: JUN 18 2012, Times Cited: 7, ISI:3.794
48. Experimental and analytical modeling of resonant permittivity and permeability in ferroelectric-ferrite composites in microwave range Ciomaga, C. E.; Balmus, S. B.; D., Ioan; Mitoseriu, L et al., JOURNAL OF APPLIED PHYSICS Volume: 111 Issue: 12 Article Number: 124114 Published: JUN 15 2012, Times Cited: 1, ISI:2.143
49. High-field dielectric properties and Raman spectroscopic investigation of the ferroelectric-to-relaxor crossover in BaSn_xTi_{1-x}O₃ ceramics, Deluca, M.; Stoleriu, L.; Curecheriu, L. P.; Mitoseriu, L et al., JOURNAL OF APPLIED PHYSICS Volume: 111 Issue: 8 Article Number: 084102 Published: APR 15 2012, Times Cited: 10, ISI: 2.143
50. New Broadband Button-Shaped Antenna on Innovative Magneto-Dielectric Material for Wearable Applications, Aldrigo, M.; Bianchini, Davide; C., Alessandra; et al., Book Group Author(s): IEEE, Conference: 42nd European Microwave Conference (EuMC) Location: Amsterdam, NETHERLANDS Date: OCT 28-NOV 02, 2012, Sponsor(s): APS; European Microwave Assoc; IEEE; MTT S; Horizon House 2012 42ND EUROPEAN MICROWAVE CONFERENCE (EUMC) Book Series: European Microwave Conference Pages: 723-726 Published: 2012, Times Cited: 0
51. New Broadband Button-Shaped Antenna on Innovative Magneto-Dielectric Material for Wearable Applications, Aldrigo, M.; Bianchini, D.; Costanzo, A.; Mitoseriu, L et al., Book Group Author(s): IEEE Conference: 15th European Microwave Week - Space for Microwaves Conference Proceedings Location: Amsterdam, NETHERLANDS Date: OCT 28-NOV 02, 2012, 2012 9TH EUROPEAN RADAR CONFERENCE (EURAD) Pages: 397-400 Published: 2012, Times Cited: 0
52. Mossbauer Investigations of the 0.5BaTiO₃-0.5(Ni,Zn)Fe₂O₄ Composites, Ramoska, T.; Bany, J.; Mitoseriu, L.; et al., FERROELECTRICS Volume: 428 Pages: 101-108 Published: 2012, Times Cited: 2, ISI:0.415

2011

53. Oxygen deficiency and grain boundary-related giant relaxation in Ba(Zr,Ti)O₃ ceramics, Ciomaga, C. E.; Buscaglia, M. T.; Buscaglia, V.; L. Mitoseriu, JOURNAL OF APPLIED PHYSICS Volume: 110 Issue: 11 Article Number: 114110 Published: DEC 1 2011, Times Cited: 13 ISI:1.731
54. Magnetic and dielectric properties of Ba₁₂Fe₂₈Ti₁₅O₈₄ layered ferrite ceramics, Curecheriu, L. P.; Buscaglia, M. T.; Ianculescu, A. C.; R.C. Frunza, I.V. Ciuchi, A. Neagu, G. Apachitei, A. Bassano, G. Canu, P. Postolache, L. Mitoseriu, V. Buscaglia, JOURNAL OF PHYSICS D-APPLIED PHYSICS Volume: 44 Issue: 43 Article Number: 435002 Published: NOV 2 2011, Times Cited: 3, ISI:2.544
55. Non-linear dielectric properties of BiFeO₃ ceramics, Curecheriu, L.; Gheorghiu, F.; Ianculescu, A.; Mitoseriu, L., APPLIED PHYSICS LETTERS Volume: 99 Issue: 17 Article Number: 172904 Published: OCT 24 2011, Times Cited: 4, ISI:3.844
56. Dielectric and tunability properties of La-doped BaTiO₃ ceramics, Ianculescu, A.; Mocanu, Z. V.; Curecheriu, L. P.; Mitoseriu, L., Padurariu L., Trusca R., JOURNAL OF ALLOYS AND COMPOUNDS Volume: 509 Issue: 41 Pages: 10040-10049 Published: OCT 13 2011, Times Cited: 4, ISI:2.289
57. Impedance spectroscopy method for investigation of the polycrystalline inhomogeneous ceramics, Mocanu, Z. V.; Apachitei, G.; Padurariu, L.; F. Tudorache, L.P. Curecheriu, L. Mitoseriu, EUROPEAN PHYSICAL JOURNAL-APPLIED PHYSICS Volume: 56 Issue: 1 Article Number: 10102 Published: OCT 2011, Times Cited: 1, ISI:0.771

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Annex II. Books

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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. Ricinschi, 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
9. "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 I-II, 2016 and author of chapters:
 - Cap. 15 "Nanostructured Barium Titanate Ceramics : Intrinsic versus Extrinsic Size Effects, L. Mitoseriu, L.P. Curecheriu
 - Cap. 18 " Local Field Engineering Approach for Tuning Dielectric and Ferroelectric Properties in Nanostructured Ferroelectrics and Composites, L. Mitoseriu, L. Padurariu.

Annex III. Invited lectures and talks to international meetings

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 – Universitat 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 ELECTROCERAMIC 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. COST MP 5th Annual Progress Conference, Tartu, Estonia, 11-15 Sept. 2011
32. First Early Stage Researchers Meeting of COST Action SIMUFER Hasselt University, Belgium, 18-24.03.2011
33. First COST MP0904 Training School "Nanostructured oxides: from laboratory research to industrial applications" & POSDRU 63663 Training Modules, IENI-CNR Genova & University of Genova, Italy, 9-21.03.2012
34. The third COST MP0904 Working Group Workshop, University of Vilnius, Lithuania, 20-24.04.2012
35. Conference ISAF-ECAPD-PFM 2012, Aveiro, Portugal, 7-15.07.2012
36. ELECTROCERAMICS XIII Twente, Holland, 23-28.06.2012
37. COST MP 6th Annual Progress Conference Dublin, Ireland, 13-15.09.2012
38. COST MPNS EEP Meeting conference, Bruxelles, Belgium, 25.02-1.03.2013
39. Workshop on optical and electrical properties of nanomagnets, Institute Poincaré, Univ. Pierre et Marie Curie (Paris VI), 20-24.10.2013
40. International Meeting on Ferroelectricity IMF Krakow, Poland, 1-6.09.2013
41. COST MP 7th Annual Progress Conference Reykjavik, Island, 11-15.09.2013
42. EUROMAT Conference, Sevilla, Spain, 8-13.09.2013 – invited: Study of multiphase materials with ferroelectric and magnetic order, L. Mitoseriu and V. Buscaglia
43. Working Group 3 Conference of COST MP0904 Action, ISTE-CNR Faenza, Italy, 17-24.04.2013
44. Training School SIMUFER Ljubljana, Slovenia, 23-30.01.2013 invited
45. "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. (invited lecture)
46. Management Committee Meeting & Closing Conference of COST MP0904 SIMUFER, IENI-CNR Genova, Italy, 22.01-16.02.2014
47. Joint MCM3 & Working Groups 1-4 Workshop of COST IC1208, Santarem, Portugal, 18-23.03.2014
48. Conferinta COST MP1308 Action TO-BE Spring Meeting 2015, University of Aveiro, Portugal 28.03-3.04.2015
49. 14th International Conference European Ceramics Society ECERS 2015, Toledo, Spain, 21-25.06.2015
50. 13th European Meeting on Ferroelectricity EMF 2015, Porto, Portugal, 28.06-3.07.2015
51. 7th International Workshop on Amorphous and Nanostructured Magnetic Materials ANMM'2015, 21-24 September 2015, Iasi, Romania.

Annex IV. Director or coordinator of grants:

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 group
9. Grant CEEX-FEROCER "Integrated developing of concepts and technologies for preparation, characterization, modeling and applications of nanostructured ferroelectric ceramics", (2006-2008): Coordinator of the group
10. Grant AC-CONMEMF "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 (CommScie)", (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 group.
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.

Member in grants:

- 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. Leontin Padurariu) "Exploatarea porozitatii in materiale ferroelectrice prin controlul câmpului local pentru îmbunătățirea proprietăților funcționale (EXPOFER)" (2015-2017).
- PCCE ID_76 "Știința suprafetelor și interfetelor: fizica, chimie, biologie, aplicații (NANOMATGIANT)" (2010-2013).
- The European Project FP7 STAGES (Structural Transformation to Achieve Gender Equality in Science).

Annex V. International cooperations:

1. Group of IENI-CNR Genova (dr. V. Buscaglia, dr. M. Viviani, dr. M.T. Buscaglia) and prof. P. Nanni, Univ. of Genoa, Faculty of Engineering, DICheP, Genova, Italy – Nanostructured BaTiO₃ ceramics, Multiferroics, Functional composites with core-shell structures (bi-lateral agreement) starting with 2001
2. Group of prof. M. Okuyama (dr. Dan Ricinchi, 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): exchange of 7 students
9. ERASMUS Agreement Univ. "Al.I. Cuza" Iasi, Romania – Institutul ISTE-CNR, Faenza, Italia (2013-2014): exchange of 2 students
10. Group of prof. Maria Kosec and prof. Barbara Malic, Jožef Stefan Institute, Ljubljana (bi-lateral agreement starting with 2011)

Annex VI. Patents

- [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 (ISI index)
- [2] Author(s): A. Ianculescu, L. Mitoseriu, L.P. Curecheriu, F.M. Tufescu, F. Tufescu,
Title: Metoda de masurare a tunibilitatii pentru materialele ceramice,
Brevet No. A/00168/6.05.2009
- [3] Author(s): A. Ianculescu, G. Voicu, D. C. Berger, L. Mitoseriu, Felicia Prihor
Title: Procedeu de preparare a soluțiilor solide de tip BiFeO₃-BaTiO₃ de înaltă puritate și produs ceramic cu proprietati dielectrice și feromagnetice optime obținute prin acesta, Brevet OSIM, Nr. 123236/30.03.2011
- [4] 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, Patent No: RO125567-A0 (ISI index)
- [5] 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.
- [6] Author(s): C.S. Olariu, I. V. Ciuchi, L. Mitoseriu, C.E. Ciomaga,
Title: Metodă tehnică de determinare a factorului de umplere volumică a fazei minerale din biocompozitele osoase,
Nr. OSIM A/00856, 04.03.2014.

[7] Author(s): Mihai Valentin Pop, Liliana Mitoşeriu

Title: Interfață de tensiune înaltă pentru măsurarea proprietăților electrice ale materialelor dielectrice și feroelectrice

Nr. OSIM A/00861, 04.03.2014.

Annex VII. Awards

1. Awards of Romanian Academy „Ștefan Procopiu” for „Contribuții la investigarea complexa experimental teoretică a sistemelor feroelectrice și multiferice unifazice și compozite”, 19 DEC. 2013
2. Women's annual science and technology Excellence Award 2012 from "Al. I. Cuza" Univ. of Iasi (2013).