

# LISTA COMPLETĂ DE LUCRĂRI ȘTIINȚIFICE

Nume: Felicia Prihor (căs. Gheorghiu)

## ➤ Lucrări publicate în reviste cotate ISI:

- Author(s):** Alexandra Guzu, Cristina E. Ciomaga, Mirela Airimioaei, Leontin Padurariu, Lavinia P. Curecheriu, Ioan Dumitru, **Felicia Gheorghiu**, George Stoian, Marian Grigoras, Nicoleta Lupu, Mihai Asandulesa, Liliana Mitoseriu,  
**Title:** Functional properties of randomly mixed and layered  $\text{BaTiO}_3$  -  $\text{CoFe}_2\text{O}_4$  ceramic composites close to the percolation limit  
**Source:** Journal of Alloys and Compounds 796 (2019) 55-64  
Type: Regular paper  
**Impact factor = 4.175**
- Author(s):** Khiat Abd elmadjid, **Felicia Gheorghiu**, Mokhtar Zerdali, Mohammed Kadri and Saad Hamzaoui,  
**Title:** Preparation, structural and functional properties of  $\text{PbTiO}_{3-\delta}$  ceramics,  
**Source:** Ceramics International 45 (2019) 9043-9047  
Type: Regular paper  
**Impact factor = 3.45**
- Author(s):** **Felicia Gheorghiu**, Cristina Elena Ciomaga, Mantas Simenas, Mirela Airimioaei, Shan Qiao, Sorin Tascu, Vidmantas Kalendra, Juras Banys, Ovidiu G. Avadanei and Liliana Mitoseriu,  
**Title:** Preparation and functional characterization of magnetoelectric  $\text{Ba}(\text{Ti}_{1-x}\text{Fe}_x)\text{O}_{3-x/2}$  ceramics,  
**Source:** Ceramics International 44 (2018), 20862-20870  
Type: Regular paper  
**Impact factor = 3.45**
- Author(s):** **Felicia Gheorghiu**, Mantas Simenas, Cristina Ciomaga, Mirela Airimioaei, Vidmantas Kalendra, Juras Banys, Marius Dobromir, Sorin Tascu and Liliana Mitoseriu  
**Title:** Preparation and structural characterization of Fe-doped  $\text{BaTiO}_3$  diluted magnetic ceramics  
**Source:** Ceramics International 43 (13) (2017), 9998-10005  
Type: Regular paper  
**Impact factor = 3.057**
- Author(s):** **Felicia Gheorghiu**, Leontin Padurariu, Mirela Airimioaei, Lavinia Curecheriu, Cristina Ciomaga, Cipriana Padurariu, Carmen Galassi and Liliana Mitoseriu  
**Title:** Porosity dependent properties of Nb-doped  $\text{Pb}(\text{Zr,Ti})\text{O}_3$  ceramics  
**Source:** Journal of the American Ceramic Society 100 (2017), 647-658  
Type: Regular paper

**Impact factor = 2.956**

6. **Author(s):** Felicia Gheorghiu, Lavinia Curecheriu, Isabelle Lisiecki, Patricia Beaunier, Simona Feraru, Mircea N. Palamaru, Valentina Musteata, Nicoleta Lupu and Liliana Mitoseriu

**Title:** Functional properties of  $\text{Sm}_2\text{NiMnO}_6$  multiferroic ceramics prepared by spark plasma sintering

**Source:** Journal of Alloys and Compounds 649 (2015) 151-158

Type: Regular paper

**Impact factor = 3.014**

7. **Author(s):** Felicia Gheorghiu, Radu Apetrei, Marius Dobromir, Adelina Ianculescu, Dumitru Luca, Liliana Mitoseriu

**Title:** Investigation of Co-doped PZT films deposited by rf-magnetron Sputtering

**Source:** Processing and Application of Ceramics 8 [3] (2014) 113–120

Type: Regular paper

8. **Author(s):** Felicia Gheorghiu, Mihai Calugaru, Adelina Ianculescu, Valentina Musteata and Liliana Mitoseriu

**Title:** Preparation and functional characterization of  $\text{BiFeO}_3$  ceramics: a comparative study of the dielectric properties

**Source:** Solid State Sciences, 23 (2013) 79-87

Type: Regular paper

**Impact factor = 1.671**

9. **Author(s):** Felicia Gheorghiu, Lavinia Curecheriu, Adelina Ianculescu, Mihai Calugaru and Liliana Mitoseriu

**Title:** Tunable dielectric characteristics of Mn-doped  $\text{BiFeO}_3$  multiferroic ceramics

**Source:** Scripta Materialia Volume 68, Issue 5, March 2013, Pages 305–308

Type: Regular paper

**Impact factor = 2.821**

10. **Author(s):** Felicia Gheorghiu, Radu Tanasa, Maria Teresa Buscaglia, Vincenzo Buscaglia, Cristina G. Pastravanu, Eveline Popovici and Liliana Mitoseriu

**Title:** Preparation of  $\text{Bi}_2\text{Fe}_4\text{O}_9$  particles by hydrothermal synthesis and functional properties

**Source:** Phase Transit 86 (7), 726-736 (2013)

Type: Proceedings- Special Issue: The Third COST MP0904 WG Workshop "Advanced characterization and functional properties of ferroelectrics and multiferroics", Vilnius, 23-24 April 2012

**Impact factor = 1.044**

11. **Author(s):** Lavinia Curecheriu, Felicia Gheorghiu, Adelina Ianculescu, Liliana Mitoseriu,

**Title:** Non-linear dielectric properties of  $\text{BiFeO}_3$  ceramics,

**Source:** Appl. Phys. Lett. 99, (2011) 172904

Type: Regular paper

**Impact factor =3.844**

12. **Author(s):** Raluca Frunza, Dan Ricinski, **Felicia Gheorghiu**, Radu Apetrei, Dumitru Luca, Liliana Mitoseriu, Masanori Okuyama

**Title:** Preparation and characterisation of *PZT* films by RF-magnetron sputtering

**Source:** J. Alloys Compd. 509 (2011) 6242–6246

Type: Regular paper

**Impact factor = 2.289**

13. **Author(s):** Elena-Adriana Perianu, Ioana Aurelia Gorodea, **Felicia Gheorghiu**, Andrei Victor Sandu, Adelina Carmen Ianculescu, Ion Sandu, Alexandra Raluca Iordan, Mircea Nicolae Palamaru

**Title:** Preparation and Dielectric Spectroscopy Characterisation of  $A_2MnMoO_6$  ( $A = Ca, Sr$  and  $Ba$ ) Double Perovskites

**Source:** Revista de Chimie (2011), Vol. 62, Issue: 1, p. 17-20

Type: Regular paper

**Impact factor = 0.599**

14. **Author(s):** Adelina Ianculescu, **Felicia Prihor Gheorghiu**, Petronel Postolache, Ovidiu Oprea, Liliana Mitoseriu

**Title:** The role of doping on the structural and functional properties of  $BiFe_{1-x}Mn_xO_3$  magnetoelectric ceramics

**Source:** J. Alloys Compd. 504(2010) 420–426

Type: Regular paper

**Impact factor = 2.138**

15. **Author(s):** **Felicia Prihor Gheorghiu**, Adelina Ianculescu, Petronel Postolache, Nicoleta Lupu, Marius Dobromir, Dumitru Luca, Liliana Mitoseriu

**Title:** Preparation and properties of  $(1-x)BiFeO_3 - xBaTiO_3$  multiferroic ceramics,

**Source:** J. Alloys Compd. 506 (2010) 862–867

Type: Regular paper

**Impact factor = 2.138**

16. **Author(s):** Zhenmian Shao, Sebastien Saitzek, Pascal Roussel, Olivier Mentre, **Felicia Prihor Gheorghiu**, Liliana Mitoseriu, Rachel Desfeux

**Title:** Structural and dielectric/ferroelectric properties of  $(La_{1-x}Nd_x)_{(2)}Ti_2O_7$  synthesised by sol-gel route,

**Source:** Journal of Solid State (2010), Vol. 183, Issue: 7, p.1652-1662

Type: Regular paper

**Impact factor =2.261**

17. **Author(s):** Elena-Adriana Perianu, Ioana Aurelia Gorodea, **Felicia Prihor**, Liliana Mitoseriu, Adelina Carmen Ianculescu, Alexandra Raluca Iordan, Mircea Nicolae Palamaru

**Title:** Preparation by Citrate Combustion and Characterisation of Complex Oxides  $Ca_{2-x}La_xMnMoO_6$ ,

**Source:** Revista de Chimie (2010), Vol. 61, Issue: 3, p. 242-244

Type: Regular paper

**Impact factor = 0.693**

18. **Author(s):** Felicia Prihor, Adelina Ianculescu, Liliana Mitoseriu, Petronel Postolache, Lavinia Curecheriu, Nicolae Dragan, Dorin Crisan

**Title:** Functional properties of the  $(1-x)BiFeO_3 - xBaTiO_3$ ,

**Source:** Ferroelectrics, 391, 76-82, 2009

Type: Proceedings- 9<sup>th</sup> European Conference on Applications of Polar Dielectrics (ECAPD-9), Roma, Italia, aug 25-29, 2008

**Impact factor = 0.447**

19. **Author(s):** A. Ianculescu , Felicia Prihor, P. Postolache, L. Mitoseriu, N. Dragan, D. Crisan

**Title:** Preparation, Structural and Magnetic Properties of  $Mn$ -doped  $La_{0.1}Bi_{0.9}FeO_3$  Ceramics,

**Source:** Ferroelectrics (2009) 391, 67-75

Type: Proceedings- 9th European Conference on Applications of Polar Dielectrics (ECAPD-9), Roma, Italia, aug 25-29, 2008

**Impact factor = 0.447**

20. **Author(s):** C.E. Ciomaga, C. Galassi, Felicia Prihor, I. Dumitru, L. Mitoseriu, A.R. Iordan, M. Airimioaei, M.N. Palamaru,

**Title:** Preparation and properties of the  $CoFe_2O_4-Nb-Pb(Zr,Ti)O_3$  multiferroic composites prepared in situ by gel-combustion method,

**Source:** J. Alloys Compd. 485 (2009) 372–378

Type: Regular paper

**Impact factor = 2.135**

21. **Author(s):** A.R. Iordan, M. Airimioaei, M.N. Palamaru, C. Galassi, A.V. Sandu, C.E. Ciomaga, Felicia Prihor, L. Mitoseriu and A. Ianculescu

**Title:** In situ preparation of  $CoFe_2O_4-Pb(ZrTi)O_3$  multiferroic composites by gel-combustion technique,

**Source:** J. Eur. Ceram. Soc., 29 (2009) 2807–2813

Type: Regular paper

**Impact factor = 2.090**

22. **Author(s):** L. Mitoseriu, C.E. Ciomaga, I. Dumitru, L.P. Curecheriu, Felicia Prihor and A.Guzu,

**Title:** Study of the frequency-dependence of the complex permittivity in  $Ba(Zr, Ti)O_3$  ceramics: evidences of the grain boundary phenomena,

**Source:** Journal of Optoelectronics and Advanced Materials, Vol. 10, Iss. 7, p. 1843-1846, 2008

Type: Proceedings- International Workshop on Exotic States in Materials with Strongly Correlated Electrons

Impact factor = 0.577

➤ **Lucrări publicate in reviste NON-ISI:**

**Reviste naționale:**

[1] **Author(s):** Felicia Prihor, P. Postolache , A. Ianculescu and L. Mitoseriu,  
**Title:** Caracteristicile dielectrice și magnetice ale soluției solide multiferoice pe bază de  $BiFeO_3$ ,  
**Source:** Revista Stiințifică "V.Adamachi", Vol. XVII, Nr. 1 (serie nouă), aprilie-mai 2008, pag. 111-114

[2] **Author(s):** E.V. Buta, P. Pascariu, Felicia Prihor, L. Vlad, V. Pohoată, R. Apetrei, D. Luca, A. Nastuță, I. Alupoaei, D. Mardare  
**Title:** Characterisation of sputtered  $TiO_2$  thin films,  
**Source:** Analele Stiintifice ale Universitatii "AL. I. Cuza" IAȘI, Tomul IV, s. Biofizică, Fizică medicală și Fizica mediului 2008

[3] **Author(s):** Felicia Prihor, C. E. Ciomaga, L. P. Curecheriu, L. Mitoseriu  
**Title:** Study of the  $BiFeO_3$ -based multiferroic ceramics with magnetoelectric coupling,  
**Source:** Revista Științifică "V. Adamachi", Serie nouă, vol.XVI, nr. 1, pag. 116-118, 2007

[4] **Author(s):** Felicia Prihor, M. Toma  
**Title:** Observații asupra radiației în vizibil emise de plasma unei descărcări electrice în gaze  
**Source:** Revista Științifică "V.Adamachi", Vol.XV-Nr.2 (serie nouă), aprilie-iunie 2006, pag 56-58

➤ **Brevet național:**

[1] **Author(s):** A. Ianculescu, G. Voicu, D. C. Berger, L. Mitoseriu, Felicia Prihor  
**Title:** Procedeu de preparare a soluțiilor solide de tip  $BiFeO_3$ - $BaTiO_3$  de înaltă puritate și produs ceramic cu proprietati dielectrice și feromagnetice optime obtinute prin acesta, Brevet OSIM, Nr. 123236/30.03.2011

## Participări la conferințe:

### ➤ Conferințe internaționale:

1. L. Mitoseriu, **F. Prihor**, V. Buscaglia, M. Viviani, M.T. Buscaglia, P. Nanni, Dielectric and ferroelectric properties of the  $(1-x)\text{BiFeO}_3 - x\text{BaTiO}_3$  multiferroic ceramics, IEEE Magnetics Society Chapter Romania Section, Secțiunea postere, 26 – 29 mai 2007, Universitatea “Al. I. Cuza” Iași (poster)
2. L.P. Curecheriu, **F. Prihor**, A. Guzu and L. Mitoseriu, Frequency – dependence of the complex permittivity of  $\text{Ni}_{0.50}\text{Zn}_{0.50}\text{Fe}_2\text{O}_3$  ceramics : microstructural influences on the dielectric spectra, Amorphous and Nanostructured Magnetic Materials, Secțiunea postere, 29-31 august 2007, INCDFE , Iași (poster)
3. **F. Prihor**, P. Postolache and L. Mitoseriu, Study of single phase multiferroic ceramics with magnetoelectric coupling, 8<sup>th</sup> International Conference on Physics of Advanced Materials (ICPAM-8), Secțiunea postere, 4 -7 iunie 2008, Universitatea “Al.I.Cuza” Iași (poster)
4. A. Ianculescu, **F. Prihor**, P. Postolache and L. Mitoseriu, Preparation and properties of Mn-doped  $\text{La}_{0.1}\text{Bi}_{0.9}\text{FeO}_3$  multiferroic ceramics, MmDE & IEEE-ROMSC, 6th edition of Materials for Electrical Engineering & 5th edition of IEEE-ROMSC, Secțiunea postere, 16-18 iunie 2008, Universitatea Politehnica București (poster)
5. P. Postolache, **F. Prihor**, L. Curecheriu, A. Ianculescu, N. Lupu, H. Chiriac and L. Mitoseriu, Dielectric and magnetic behavior of the  $(1-x)\text{BiFeO}_3 - x\text{BaTiO}_3$  solid solutions, 2nd International Congress on Ceramics, Secțiunea postere, 29 iunie-4 iulie 2008, Verona (poster)
6. **F. Prihor**, P. Postolache, L. Curecheriu, A. Ianculescu and L. Mitoseriu, Functional properties of the  $(1-x)\text{BiFeO}_3 - x\text{BaTiO}_3$  solid solutions, 9th European Conference on Applications of Polar Dielectrics, Secțiunea postere, 26-29 august 2008, Sapienza, Roma (poster)
7. A. Ianculescu, **F. Prihor**, P. Postolache, L. Mitoseriu, N. Dragan and D. Crisan, Preparation, structural and magnetic properties of Mn-doped  $\text{La}_{0.1}\text{Bi}_{0.9}\text{FeO}_3$  ceramics, 9th European Conference on Applications of Polar Dielectrics, Secțiunea postere, 26-29 august 2008, Sapienza, Roma (poster)
8. P. Postolache, **F. Prihor**, L. Curecheriu, A. Ianculescu, N. Lupu, H. Chiriac and L. Mitoseriu, Dielectric and magnetic behavior of the  $(1-x)\text{BiFeO}_3 - x\text{BaTiO}_3$  solid solutions, Electroceramics XI, Secțiunea postere, 31 august-3 septembrie 2008, University of Manchester, UK (poster)
9. P. Postolache, **F. Prihor**, A. Ianculescu, N. Lupu, H. Chiriac and L. Mitoseriu, Preparation and investigation of the  $\text{BiFeO}_3$  – based multiferroic ceramics, SAMIC 2008 International Synthesis and methodologies in inorganic chemistry, 30 noiembrie-4 decembrie 2008, Bressanone (poster)
10. **F. Prihor**, P. Postolache, I. Dumitru, L. Mitoseriu and A. Ianculescu, Multiferroic properties of  $\text{BiFeO}_3$  –based ceramics, IEEE Magnetics Society Chapter Romania Section, Secțiunea postere, 6 – 9 iunie 2009, Universitatea “Al. I. Cuza” Iași (poster)
11. **F. Prihor**, M. Dobromir, A. Ianculescu, D. Luca and L. Mitoseriu, XPS investigation of the  $(1-x)\text{BiFeO}_3 - x\text{BaTiO}_3$  solid solutions in correlation with

- their magnetic characteristics, IEEE Magnetics Society Chapter Romania Section, Secțiunea postere, 6 – 9 iunie 2009, Universitatea “Al. I. Cuza” Iași (poster)
12. **F. Prihor**, R. Frunza, I. V. Ciuchi, D. Luca and L. Mitoseriu, Characterization of PZT Thin Films prepared by RF magnetron Sputtering, IEEE Magnetics Society Chapter Romania Section, Secțiunea postere, 6 – 9 iunie 2009, Universitatea “Al. I. Cuza” Iași (poster)
  13. A. R.Iordan, A.Mirimioaei, **F.Prihor**, C.Galassi, A.Ianculescu, L.Mitoseriu, M. N.Palamaru, Preparation of  $\text{CoFe}_2\text{O}_4$  on to PZT based templates for obtaining in-situ multiferroic composites, International Conference & Exhibition of European Ceramic Society, ECERS Krakow, organizata de The Polish Ceramic Society, Poland, 21-25 June 2009 (poster)
  14. M. Dobromir, D. Luca, **F. Prihor**, A. Ianculescu and L. Mitoseriu, XPS investigation of the  $(1-x)\text{BiFeO}_3 - x\text{BaTiO}_3$  solid solutions in correlation with their magnetic characteristics, International Conference & Exhibition of European Ceramic Society, ECERS Krakow, organizata de The Polish Ceramic Society, Poland, 21-25 June 2009 (poster)
  15. **F. Prihor**, P. Postolache, I. Dumitru, L. Mitoseriu, A. Ianculescu, Multiferroic properties of  $\text{BiFeO}_3$  –based ceramics, The Eighth Students' Meeting, SM-2009 "Processing and Application of Ceramics", December 2-5, 2009, Faculty of Technology, University of Novi Sad, Novi Sad, Serbia (**oral**)
  16. **F. Prihor**, A. Ianculescu, P. Postolache, O. Oprea and L. Mitoseriu, The role of doping on the structural and functional properties of  $\text{BiFe}_{1-x}\text{Mn}_x\text{O}_3$  magnetoelectric ceramics, Mmde-IEEE ROMSC International Conference, Faculty of Physics, “Alexandru Ioan Cuza” University Iasi 6 - 8 June 2010 (poster)
  17. **F. Prihor**, A. Ianculescu, P. Postolache, I. Dumitru, D. Cimpoesu and L. Mitoseriu, Preparation, structural and functional properties of  $\text{BiFeO}_3$ –based ceramics, Electroceramics XII, Norwegian University of Science and Technology, Trondheim, Norway 13th June - 16th June 2010 (poster)
  18. **F. Prihor**, A. Ianculescu, P. Postolache, O. Oprea and L. Mitoseriu, Structural and functional properties of the Mn- $\text{BiFeO}_3$  based solid solution, : European Conference on the Applications of Polar Dielectrics (ECAPD), Heriot-Watt University, Edinburgh, 9th - 12th August 2010 (poster)
  19. **F. Prihor Gheorghiu**, M. T. Buscaglia, V. Buscaglia and L. Mitoseriu, Preparation of  $\text{BiFeO}_3$  nanostructure with particular microstructural geometries by hydrothermal synthesis, : COST – European Co-operation in the Field of Scientific and Technical Research, COST Action MP0904 (SIMUFER), Heriot-Watt University, Edinburgh, 12th August 2010 (poster)
  20. **F. Prihor Gheorghiu**, M. T. Buscaglia, V. Buscaglia and L. Mitoseriu, Preparation of  $\text{BiFeO}_3$  –based multiferroic nanostructures by hydrothermal synthesis, NANOSTRUCTURED MULTIFUNCTIONAL MATERIALS, NMM – 2010, November 4 - 5, 2010, Iași, Romania (poster)
  21. **F. Prihor Gheorghiu**, M. T. Buscaglia ,V. Buscaglia, P. Nanni, C. Elena Ciomaga and L. Mitoseriu, The hydrothermal synthesis of  $\text{BiFeO}_3$  –based multiferroic nanostructures with particular geometries and microstructural

- characteristics, SAMIC 2010 “Chemistry for Energy and Life Sciences”, 28 november – 1 december 2010, Bressanone, Italy (poster)
22. **F. Gheorghiu**, M. T. Buscaglia, V. Buscaglia, P. Nanni and L. Mitoseriu, Preparation of  $\text{BiFeO}_3$  nanostructures by hydrothermal synthesis, 1st ESR SIMUFER MP0904 WORKSHOP, 21-23 march 2011, Hasselt, Belgium (oral+poster)
  23. **F. Gheorghiu**, M. T. Buscaglia, V. Buscaglia, C. E. Ciomaga and L. Mitoseriu, Preparation of  $\text{BiFeO}_3$  –based multiferroic nanoparticles with particular microstructural characteristics by hydrothermal synthesis, Advances in Applied Physics&Materials Science – APMAS, 12-15 may 2011, Antalya, Turkey (poster)
  24. **F. Gheorghiu**, I. Dumitru, A. Ianculescu, P. Postolache, L. Curecheriu and L. Mitoseriu, Functional properties of  $\text{BiFeO}_3$  ceramics below room temperature, Advances in Applied Physics &Materials Science – APMAS, 12-15 may 2011, Antalya, Turkey (poster)
  25. **F. Gheorghiu**, A. Ianculescu, P. Postolache, O. Oprea and L. Mitoseriu, Structural and functional properties of the Mn- $\text{BiFeO}_3$  based solid solution, European Meeting on Ferroelectricity – EMF 2011, 26-2 July 2011, Bordeaux, France (poster)
  26. A. Ianculescu, **F. Gheorghiu**, P. Postolache, O. Oprea and L. Mitoseriu, The effect of doping on structural and functional properties of  $\text{BiFe}_{1-x}\text{Cr}_x\text{O}_3$  ceramics, European Meeting on Ferroelectricity – EMF 2011, 26-2 July 2011, Bordeaux, France (poster)
  27. **F. Gheorghiu**, A. Ianculescu, V. Musteata, L. Padurariu and L. Mitoseriu, Conductivity anomaly in  $\text{BiFeO}_3$  ceramics prepared by one-step sintering method, COST SIMUFER MP0904 Conference, 30-2 July 2011, Bordeaux, France (poster)
  28. **F. Gheorghiu**, A. Ianculescu, V. Musteață and L. Mitoseriu, Impedance spectroscopy and magnetic investigation of  $\text{BiFeO}_3$  ceramics prepared by one-step sintering method, Amorphous and Nanostructured Magnetic Materials, Secțiunea postere, 5-7 september 2011, INCDFI, Iași (poster)
  29. **F. Gheorghiu**, A. Ianculescu, G. Apachitei, A. Neagu, V. Musteata and L. Mitoseriu, Conductivity anomaly in  $\text{BiFeO}_3$  ceramics prepared by one-step sintering method, IEEE ROMSC International Conference, Faculty of Physics, “Alexandru Ioan Cuza” University Iasi, 17 -18 October 2010 (poster)
  30. **F. Gheorghiu**, A. Ianculescu, P. Postolache and L. Mitoseriu, The effect of Mn and La substitutions on functional properties of  $\text{BiFeO}_3$  multiferroic ceramics, SM-2011 "Processing and Application of Ceramics", Faculty of Technology, University of Novi Sad, Novi Sad, Serbia, November 16-18, 2011 (oral)
  31. **F. Gheorghiu**, L. P. Curecheriu, A. Ianculescu, V. Musteata and L. Mitoseriu, Investigation of functional properties of  $\text{BiFeO}_3$  ceramics prepared by one-step sintering method, The Second ESR Workshop COST MP0904 joined to the Ninth Students Meeting, Processing and Applications of Ceramics, Faculty of Technology, University of Novi Sad, Novi Sad, Serbia, November 16-18, 2011 (oral)

32. **F. Gheorghiu**, R. Tanase, C. G. Pastravanu, V. Buscaglia, M. T. Buscaglia, Paolo Nanni and Liliana Mitoseriu, The hydrothermal synthesis and characterization of  $\text{Bi}_2\text{Fe}_4\text{O}_9$  micro/nanostructures, First COST MP0904 Training School “Nanostructured oxides: from laboratory research to industrial applications” Institute of Energetics & Interphases IENI-CNR Genoa (IT), 12-13t March 2012 (poster)
33. **F. Gheorghiu**, L. P. Curecheriu, A. Ianculescu, V. Musteata and L. Mitoseriu, New aspects concerning the tunability and dielectric anomalies of  $\text{BiFeO}_3$  ceramics, Electroceramics XIII, University of Twente, Enschede, Netherlands, June 24-27, 2012 (oral)
34. **F. Gheorghiu**, R. Apetrei, M. Dobromir, A. Ianculescu, D. Luca and L. Mitoseriu, Investigation of Co-doped PZT films deposited by rf-magnetron sputtering Electroceramics XIII, University of Twente, Enschede, Netherlands, June 24-27, 2012 (poster)
35. **F. Gheorghiu**, L. Curecheriu, R. Tanasa, M. Pop, A. Ianculescu and L. Mitoseriu, Comparison between the properties of pure  $\text{BiFeO}_3$  ceramics prepared by single and two step sintering methods, 21st International Symposium on Applications of Ferroelectrics, 11th European Conference on Applications of Polar Dielectrics, 4th Conference Piezoresponse Force Microscopy and Nanoscale Phenomena in Polar Materials (ISAF ECAPD PFM) University of Aveiro, Portugal, July 9-13, 2012 (oral)
36. **F. Gheorghiu**, R. Tanasa, C. G. Pastravanu, E. Popovici, V. Buscaglia, M. T. Buscaglia, P. Nanni, and L. Mitoseriu, The hydrothermal synthesis characterization and functional properties of  $\text{Bi}_2\text{Fe}_4\text{O}_9$  micro/nanostructures, University of Aveiro, Portugal, July 9-13, 2012 (poster)
37. **F. Gheorghiu**, M. T. Buscaglia, V. Buscaglia, C. G. Pastravanu, E. Popovici, and L. Mitoseriu, Preparation by hydrothermal synthesis and photocatalytic properties of  $\text{Bi}_2\text{Fe}_4\text{O}_9$  particles, 9th International Conference on Physics of Advanced Materials, 20 - 23 September 2012, Iasi, Romania (poster)
38. **F. Gheorghiu**, L. Curecheriu, M. Călugăru, A. Ianculescu and L. Mitoseriu Preparation and functional characterization of  $\text{BiFeO}_3$  ceramics: a comparative study of the functional properties Joint Conference COST MP0904 Action „Single-and multiphase ferroics and multiferroics with restricted geometries” & IEEE-ROMSC 2012, 24 - 26 September 2012, Iasi, Romania (poster)
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