

## LISTA DE LUCRĂRI ȘTIINȚIFICE – Dr. Mirela AIRIMIOAEI

### A. Lista celor mai relevante lucrări

1. C. E. Ciomaga, M. Airimioaei, I. Turcan, A. V. Lukacs, S. Tascu, M. Grigoras, N. Lupu, J. Banys, L. Mitoseriu, *Functional properties of percolative  $\text{CoFe}_2\text{O}_4\text{-PbTiO}_3$  composite ceramics*, J. Alloys Compd., vol. 775, pp. 90-99, 2019. (IF=3.779)
2. M. Airimioaei, M.T. Buscaglia, M.T. Tredici, U. Anselmi-Tamburini, C. E. Ciomaga, L.P. Curecheriu, A. Bencan, V. Buscaglia, L. Mitoseriu,  *$\text{SrTiO}_3\text{-BaTiO}_3$  nanocomposites with temperature independent permittivity and linear tunability fabricated using field-assisted sintering from chemically synthesized powders*, J. Mater. Chem. C, vol. 5, pp. 9028-9036, 2017. (IF=5.976)
3. M. Airimioaei, R. Stanculescu, V. Preutu, C. Ciomaga, N. Horchidan, S. Tascu, D. Lutić, A. Pui, L. Mitoseriu, *Effect of particle size and volume fraction of  $\text{BaTiO}_3$  powders on the functional properties of  $\text{BaTiO}_3/\text{poly}(\epsilon\text{-caprolactone})$  composites*, Mater. Chem. Phys., vol. 182, pp. 246-255, 2016. (IF=2.084)
4. A. Neagu, L. Curecheriu, M. Airimioaei, A. Cazacu, A. Cernescu, L. Mitoseriu, *Impedance spectroscopy characterization of relaxation mechanisms in gold-chitosan nanocomposites*, Composites Part B, vol. 71, pp. 210-217, 2015. (IF=3.850)
5. M. Airimioaei, M.N. Palamaru, A.R. Iordan, P. Berthet, C. Decorse, L.P. Curecheriu, L. Mitoseriu, *Structural investigations and functional properties of  $\text{Mg}_x\text{Ni}_{1-x}\text{Fe}_2\text{O}_4$  ferrites*, J. Am. Ceram. Soc., vol. 97, pp. 519-526, 2014. (IF=2.610)
6. C.E. Ciomaga, A.M. Neagu, M.V. Pop, M. Airimioaei, S. Tascu, G. Schileo, C. Galassi, L. Mitoseriu, *Ferroelectric and dielectric properties of ferrite-ferroelectric ceramic composites*, J. Appl. Phys., vol. 113, pp. 0741031-0741037, 2013. (IF=2.185)
7. C.E. Ciomaga, M. Airimioaei, V. Nica, L.M. Hrib, O.F. Caltun, A. R. Iordan, C. Galassi, L. Mitoseriu, M.N. Palamaru, *Preparation and magnetoelectric properties of  $\text{NiFe}_2\text{O}_4\text{-PZT}$  composites obtained in-situ by gel-combustion method*, J. Eur. Ceram. Soc., vol. 32, pp. 3325-3337, 2012. (IF=2.360)
8. M. Airimioaei, C.E. Ciomaga, N. Apostolescu, L. Leontie, A.R. Iordan, L. Mitoseriu, M.N. Palamaru, *Synthesis and functional properties of the  $\text{Ni}_{1-x}\text{Mn}_x\text{Fe}_2\text{O}_4$  ferrites*, J. Alloys Compd., vol. 509, pp. 8065-8072, 2011. (IF=2.289)
9. A.R. Iordan, M. Airimioaei, M.N. Palamaru, C. Galassi, A.V. Sandu, C.E. Ciomaga, F. Prihor, L. Mitoseriu, A. Ianculescu, *In situ preparation of  $\text{CoFe}_2\text{O}_4\text{-Pb}(\text{ZrTi})\text{O}_3$  multiferroic composites by gel-combustion technique*, J. Eur. Ceram. Soc., vol. 29, pp. 2807-2813, 2009. (IF=2.090)
10. C.E. Ciomaga, C. Galassi, F. Prihor, I. Dumitru, L. Mitoseriu, A.R. Iordan, M. Airimioaei, M.N. Palamaru, *Preparation and properties of the  $\text{CoFe}_2\text{O}_4\text{-Nb-Pb}(\text{Zr,Ti})\text{O}_3$  multiferroic composites*

*prepared in situ by gel-combustion method*, J. Alloys Compd., vol, 485, pp. 372-378, 2009. (IF=2.135)

## **B. Teza sau tezele de doctorat**

### **Titlul tezei de doctorat**

### **Compusi oxidici cu utilizări în tehnicile actuale**

Instituția de învățământ superior  
**unde a avut loc susținerea publică a  
tezei de doctorat**

Universitatea “Al. I. Cuza” din Iași,  
Facultatea de Chimie,  
Iași, Romania

Conducătorul științific al tezei de  
**doctorat**

Prof. dr. Mircea Nicolae Palamaru

Data susținerii publice a tezei de  
**doctorat**

28 septembrie 2011

## **C. Brevete de invenție și alte titluri de proprietate intelectuală**

1. C. E. Ciomaga, M. Airimioaei, L. Mitoseriu, N. Lupu, *Compozit magnetoelectric ceramic obținut prin procedeul de preparare in situ, cu proprietăți feromagnetice, magnetostrictive și permitivități de ordinul sutelor*, înregistrat la OSIM nr. A00314/22.05.2017.

## **D. Cărți și capitole în cărți**

## **E. Articole/studii publicate in extenso, în reviste din circuitul internațional**

1. C. E. Ciomaga, M. Airimioaei, I. Turcan, A. V. Lukacs, S. Tascu, M. Grigoras, N. Lupu, J. Banys, L. Mitoseriu, *Functional properties of percolative  $\text{CoFe}_2\text{O}_4\text{-PbTiO}_3$  composite ceramics*, J. Alloys Compd., vol. 775, pp. 90-99, 2019. (IF=3.779)
2. F. Gheorghiu, C. E. Ciomaga, M. Simenas, M. Airimioaei, S. Qiao, S. Tascu, V. Kalendra, J. Banys, O. G. Avadanei, L. Mitoseriu, *Preparation and functional characterization of magnetoelectric  $\text{Ba}(\text{Ti}_{1-x}\text{Fe}_x)\text{O}_{3-x/2}$  ceramics. Application for a miniaturized resonator antenna*, Ceram. Int., vol. 44, pp. 20862-20870, 2018. (IF=3.057)
3. I. Turcan, V. A. Lukacs, L. Curecheriu, L. Padurariu, C. E. Ciomaga, M. Airimioaei, G. Stoian, N. Lupu, L. Mitoseriu, *Microstructure and dielectric properties of  $\text{Ag-BaTiO}_3$  composite ceramics*, J. Eur. Ceram. Soc., vol. 38, pp. 5420-5429, 2018. (IF=3.794)
4. M. Airimioaei, M.T. Buscaglia, M.T. Tredici, U. Anselmi-Tamburini, C. E. Ciomaga, L.P. Curecheriu, A. Bencan, V. Buscaglia, L. Mitoseriu,  *$\text{SrTiO}_3\text{-BaTiO}_3$  nanocomposites with temperature independent permittivity and linear tunability fabricated using field-assisted sintering from chemically synthesized powders*, J. Mater. Chem. C, vol. 5, pp. 9028-9036, 2017. (IF=5.976)

5. F. Gheorghiu, M. Simenas, C.E. Ciomaga, M. Airimioaei, V. Kalendra, J. Banyš, M. Dobromir, S. Tascu, L. Mitoseriu, *Preparation and structural characterization of Fe-doped BaTiO<sub>3</sub> diluted magnetic ceramics*, Ceram. Int., vol. 43, pp. 9998-10005, 2017. (IF=3.057)
6. F. Gheorghiu, L. Padurariu, M. Airimioaei, L. Curecheriu, C. Ciomaga, C. Padurariu, C. Galassi and L. Mitoseriu, *Porosity-dependent properties of Nb-doped Pb(Zr,Ti)O<sub>3</sub> ceramics*, J. Am. Ceram. Soc., vol. 100, pp. 647-658, 2017. (IF=2.956)
7. M. Airimioaei, R. Stanculescu, V. Preutu, C. Ciomaga, N. Horchidan, S. Tascu, D. Lutić, A. Pui, L. Mitoseriu, *Effect of particle size and volume fraction of BaTiO<sub>3</sub> powders on the functional properties of BaTiO<sub>3</sub>/poly(epsilon-caprolactone) composites*, Mater. Chem. Phys., vol. 182, pp. 246-255, 2016. (IF=2.084)
8. C. E. Ciomaga, O. G. Avadanei, I. Dumitru, M. Airimioaei, S. Tascu, F. Tufescu, and L. Mitoseriu, *Engineering magnetoelectric composites towards application as tunable microwave filters*, J. Phys. D: Appl. Phys., vol. 49, pp. 125002(1)- 125002(2), 2016. (IF=2.588)
9. A. Neagu, L. Curecheriu, M. Airimioaei, A. Cazacu, A. Cernescu, L. Mitoseriu, *Impedance spectroscopy characterization of relaxation mechanisms in gold-chitosan nanocomposites*, Composites Part B, vol. 71, pp. 210-217, 2015. (IF=3.850)
10. Z.V. Mocanu, M. Airimioaei, C.E. Ciomaga, L. Curecheriu, F. Tudorache, S. Tascu, A.R. Iordan, N.M. Palamaru, L. Mitoseriu, *Investigation of the functional properties of Mg<sub>x</sub>Ni<sub>1-x</sub>Fe<sub>2</sub>O<sub>4</sub> ceramics*, J. Mater. Sci., vol. 49, pp. 3276-3286, 2014. (IF=2.371)
11. M. Airimioaei, M.N. Palamaru, A.R. Iordan, P. Berthet, C. Decorse, L.P. Curecheriu, L. Mitoseriu, *Structural investigations and functional properties of Mg<sub>x</sub>Ni<sub>1-x</sub>Fe<sub>2</sub>O<sub>4</sub> ferrites*, J. Am. Ceram. Soc., vol. 97, pp. 519-526, 2014. (IF=2.610)
12. C.E. Ciomaga, A.M. Neagu, M.V. Pop, M. Airimioaei, S.Tascu, G. Schileo, C. Galassi, L. Mitoseriu, *Ferroelectric and dielectric properties of ferrite-ferroelectric ceramic composites*, J. Appl. Phys., vol. 113, pp. 0741031-0741037, 2013. (IF=2.185)
13. C.E. Ciomaga, M. Airimioaei, V. Nica, L.M. Hrib, O.F. Caltun, A. R. Iordan, C. Galassi, L. Mitoseriu, M.N. Palamaru, *Preparation and magnetoelectric properties of NiFe<sub>2</sub>O<sub>4</sub>-PZT composites obtained in-situ by gel-combustion method*, J. Eur. Ceram. Soc., vol. 32, pp. 3325-3337, 2012. (IF=2.360)
14. M. Airimioaei, C.E. Ciomaga, N. Apostolescu, L. Leontie, A.R. Iordan, L. Mitoseriu, M.N. Palamaru, *Synthesis and functional properties of the Ni<sub>1-x</sub>Mn<sub>x</sub>Fe<sub>2</sub>O<sub>4</sub> ferrites*, J. Alloys Compd., vol. 509, pp. 8065-8072, 2011. (IF=2.289)
15. C.E. Ciomaga, I. Dumitru, L. Mitoseriu, C. Galassi, A.R. Iordan, M. Airimioaei, M.N. Palamaru, *Magnetoelectric ceramic composites with double-resonant permittivity and permeability in GHz range: A route towards isotropic metamaterials*, Scr. Mater., vol. 62, pp. 610-612, 2010. (IF=2.820)

16. A.R. Iordan, M. Airimioaei, M.N. Palamaru, C. Galassi, A.V. Sandu, C.E. Ciomaga, F. Prihor, L. Mitoseriu, A. Ianculescu, *In situ preparation of  $\text{CoFe}_2\text{O}_4\text{-Pb}(\text{ZrTi})\text{O}_3$  multiferroic composites by gel-combustion technique*, J. Eur. Ceram. Soc., vol.29, pp. 2807-2813, 2009. (IF=2.090)
17. C.E. Ciomaga, C. Galassi, F. Prihor, I. Dumitru, L. Mitoseriu, A.R. Iordan, M. Airimioaei, M.N. Palamaru, *Preparation and properties of the  $\text{CoFe}_2\text{O}_4\text{-Nb-Pb}(\text{Zr,Ti})\text{O}_3$  multiferroic composites prepared in situ by gel-combustion method*, J. Alloys Compd., vol. 485, pp. 372-378, 2009. (IF=2.135)

#### **F. Articole științifice publicate *in extenso* în volumele conferințelor:**

1. M. Airimioaei, A.R. Iordan, M.N. Palamaru, C. Ciomaga, A. Sandu, L. Mitoseriu, *Préparation et caractérisation des ferrites de Ni et Mn obtenues par réaction de combustion*, Premier colloque francophone sur les matériaux, les procédés et l'environnement, Volume des papiers, Editura Printech, 2009, ISBN 978-606-521-328-9, pag. 69.

#### **G. Alte lucrări și contribuții științifice**

##### **G. I. Participări la manifestări științifice internaționale**

1. C. E. Ciomaga, M. Airimioaei, L. P. Curecheriu, L. Padurariu, N. Lupu, and L. Mitoseriu, *Comparative study of peculiar microstructures and the functional properties of  $\text{BaTiO}_3$ - ferrite composites obtained by SPS method*, MP1308 COST TO-BE Spring Meeting 2018, 12-14th March 2018, Sant Feliu, Spain (*poster*).
2. C. E. Ciomaga, M. Airimioaei, I. Turcan, A. V. Lukacs, L. Padurariu, S. Balčiūnas, J. Banys and L. Mitoseriu, *Complex functional characterization of percolative  $\text{CoFe}_2\text{O}_4\text{-PbTiO}_3$  composite ceramics*, CIMTEC 2018 14th International Ceramics Congress, June 4-8, 2018, Perugia, Italy (*prezentare orală*).
3. V. A. Lukacs, I. Turcan, M. Airimioaei, L. Curecheriu, L. Mitoseriu, *Grain size effect on dielectric properties of submicron ranged  $\text{BaTiO}_3$  ceramics*, European Conference on Applications of Polar Dielectrics (ECAPD-2018), 25-28 June 2018, Moscova, Federația Rusă (*poster*).
4. A. Lukacs, M. Airimioaei, L. Curecheriu, C. Ciomaga, L. Mitoseriu, *Grain size effect on dielectric properties of submicron ranged  $\text{BaTiO}_3$  ceramics*, Electroceramics XVI, 9th-12th July 2018, Hasselt, Belgium (*poster*).
5. M. Airimioaei, A. Lukacs, L. Mitoseriu, *Biotemplate-mediated synthesis of one-dimensional oxides*, Electroceramics XVI, 9th-12th July 2018, Hasselt, Belgium (*poster*).
6. C. E. Ciomaga, M. Airimioaei, A. Guzu, O. Avadanei, N. Lupu, L. Mitoseriu, *Study of functional properties of ferroelectric-magnetic ceramic composites obtained by different synthesis method*, 16th European Inter-Regional Conference on Ceramics (CIEC16), 9-11 September 2018, Torino, Italy, (*poster*).
7. M. Airimioaei, V.A. Lukacs, L. Mitoseriu, *Biotemplate-mediated synthesis of one-dimensional oxides*, 16th European Inter-Regional Conference on Ceramics (CIEC16), 9-11 September 2018, Torino, Italy, (*poster*).

8. C. E. Ciomaga, O. G. Avadanei, I. Dumitru, M. Airimioaei, F. Tufescu, L. Mitoşeriu, *Effect of Fe doping on the ferroelectric - relaxor crossover in  $BaZr_xTi_{1-x}O_3$  ceramics*, ISAF/ECAPD/PFM Conference, 21 - 25 august 2016, Darmstadt, Germania (*poster*).
9. M. Airimioaei, C.E. Ciomaga, L. Mitoşeriu, *Effect of magnostriuctive  $CoFe_2O_4$  phase on ferroelectric  $PbTiO_3$  phase in magnetoelectric composites*, 13<sup>th</sup> European Meeting of Ferroelectricity, 28 iunie - 3 iulie 2015, Porto, Portugalia, (*prezentare orală*).
10. M. Airimioaei, V. Preutu, L. Mitoşeriu, R. Stanculescu, C. Ciomaga, S. Taşcu, *Synthesis and characterization of composites based on Poly-ε-caprolactone and ferroelectric nanoparticles*, 13<sup>th</sup> European Meeting of Ferroelectricity, 28 iunie - 3 iulie 2015, Porto, Portugalia (*poster*).
11. M. Airimioaei, M. T. Buscaglia, V. Buscaglia, L. Mitoşeriu, C. E. Ciomaga, L. P. Curecheriu, *Investigation of multifunctional composites prepared by using  $SrTiO_3@BaTiO_3$  core-shell particles as reactive precursors*, The 8th International Conference on Advanced Materials - ROCAM, 7 - 10 iulie 2015, Bucureşti, România (*prezentare orală*).
12. M. Airimioaei, C.E. Ciomaga, L. Mitoşeriu, *Preparation and functional characterization of  $CoFe_2O_4$ - $PbTiO_3$  magnetoelectric composites*, 14<sup>th</sup> International Conference EUROPEAN CERAMIC SOCIETY, 21 - 25 iunie 2015, Toledo, Spania (*poster*).
13. V. A. Lukacs, M. Airimioaei, C. E. Ciomaga, S. Tascu, L. Mitoşeriu, *Synthesis And Properties Of 1-D Nickel Oxide Structures Produced By Using Natural Fibers As Bio-Templates*, 10<sup>th</sup> International Symposium on Hysteresis Modeling and Micromagnetics, 18 - 20 mai 2015, Iaşi, România (*poster*).
14. C. E. Ciomaga, M. Airimioaei, P. Postolache, L. Mitoşeriu, *Electric and magnetic properties of particulate ferrite-ferroelectric composites*, 10<sup>th</sup> International Symposium on Hysteresis Modeling and Micromagnetics, 18 - 20 mai 2015, Iaşi, România (*poster*).
15. C. E. Ciomaga, M. Airimioaei, L. Padurariu, L. Mitoseriu, *Preparation and functional properties of ferroelectric-ferrite composites: Experiment and modeling*, 5th Management Committee Meeting (MCM5) and Meetings of Working of COST IC1208 Action, Bilkent University, 26 - 27 martie 2015, Ankara, Turcia (*prezentare orală*).
16. V. Preutu, R. Stanculescu, M. Airimioaei, L. Mitoşeriu, *Investigation of composites based on Poly-ε-caprolactone and magnetic/ferroelectric nanoparticles*, 10<sup>th</sup> International Conference on Physics of Advanced Materials, Iaşi, România, 22 - 28 septembrie 2014 (*poster*).
17. C.E. Ciomaga, M. Airimioaei, G. Stoian, M. Deluca, C. Galassi, L. Mitoşeriu, *Effect of reoxidation annealing on electrical properties in ceramic composites*, European Conference on Application of Polar Dielectrics, 7 - 11 iulie 2014, Vilnius, Lituania (*poster*).
18. C. E. Ciomaga, M. Airimioaei, L. P. Curecheriu, M. T. Buscaglia, V. Buscaglia, L. Mitoşeriu, *Dielectric and non-linear properties of  $SrTiO_3@BaTiO_3$  core-shell ceramic*, European Conference on Application of Polar Dielectrics 2014, 7 - 11 iulie 2014, Vilnius, Lituania (*prezentare orală*).
19. C.E. Ciomaga, M. Airimioaei, R. Tanasă, C. Galassi, L. Mitoşeriu, *Study of magnetic and dielectric properties of  $MnFe_2O_4$ -ferroelectric*, Electroceramics XIV, 16 - 20 iunie 2014, Bucureşti, România (*poster*).
20. C.E. Ciomaga, I. Dumitru, M. Airimioaei, C. Galassi, S.B. Balmuş, L. Mitoşeriu, *Impedance*

*spectroscopy analysis at high frequencies of ferroelectric-ferrite*, COST MP0904 Action Showcase, Electroceramics XIV, 16 - 20 iunie 2014, București, România (poster).

21. C.E. Ciomaga, M. Airimioaei, G. Stoian, I. Lisiecki, M. Deluca, C. Galassi, L. Mitoșeriu, *Structural, microstructural and electrical properties of CNTs ceramic composites*, Electroceramics XIV, 16 - 20 iunie 2014, București, România (prezentare orală).
22. M. Airimioaei, M. T. Buscaglia, V. Buscaglia, C. E. Ciomaga, L. Mitoseriu, *Multifunctional composites produced from  $\text{SrTiO}_3/\text{BaTiO}_3$  core-shell particles*, Closing COST MP0904 SIMUFER Conference, 30 ianuarie – 1 februarie 2014, Genova, Italia (poster).
23. C. E. Ciomaga, M. Airimioaei, G. Schileo, C. Galassi, L. Mitoșeriu, *Structural, electrical, magnetic and magnetoelectric properties in composite materials*, Closing COST MP0904 SIMUFER Conference, 30 ianuarie – 1 februarie 2014, Genova, Italia (poster).
24. C.E. Ciomaga, M. Airimioaei, C. Galassi, L. Mitoșeriu, *Synthesis and functional characterization of  $\text{MnFe}_2\text{O}_4$ -PZTN magnetoelectric composites*, FEMS EUROMAT, 8 - 13 septembrie 2013, Sevilla, Spania (prezentare orală).
25. M. Airimioaei, C. E. Ciomaga, C. Galassi, L. Mitoșeriu, *Studies on structural, electrical and magnetic properties of  $x\text{MnFe}_2\text{O}_4$ -(1-x)PZTN magnetoelectric composites*, COST SIMUFER Action MPO904 Workshop Advances in Ferroelectrics and Multiferroics, 2 - 3 septembrie 2013, Cracovia, Polonia, (poster).
26. C. E. Ciomaga, M.V. Pop, L. Padurariu, M. Airimioaei, C. Galassi, L. Mitoșeriu, *Effect of composition on functional properties of ferroelectric-ferrite composite systems*, Joint IEEE, UFFC, EFTF and PFM symposia, 21 - 25 iulie 2013, Praga, Cehia (poster).
27. Z. V. Mocanu, M. Airimioaei, C. E. Ciomaga, F. Tudorache, L. P. Curecheriu, L. Mitoșeriu, *Preparation, characterization of  $\text{Mg}_x\text{Ni}_{1-x}\text{Fe}_2\text{O}_4$  ferrites and testing as humidity sensors*, Joint Conference COST MPO904 Action „Single-and multiphase ferroics and multiferroics with restricted geometries” & IEEE-ROMSC 2012, 24 - 26 septembrie, Iași, România (poster).
28. M. Airimioaei, L. Mitoșeriu, P. Nanni, M.T. Buscaglia, V. Buscaglia, *Preparation and characterization of  $\text{SrTiO}_3$  nanopowders*, COST MP0904 Action „Single-and multiphase ferroics and multiferroics with restricted geometries” & IEEE-ROMSC 2012, 24 - 26 septembrie 2012, Iași, România (poster).
29. Z. V. Mocanu, M. Airimioaei, C. E. Ciomaga, F. Tudorache, L. P. Curecheriu, L. Mitoșeriu, *Investigation of electrical properties of  $\text{Mg}_x\text{Ni}_{1-x}\text{Fe}_2\text{O}_4$  spinel ceramics and applications*, ICPAM -9 (9th International Conference on Physics and Advanced Materials), 20 - 23 septembrie 2012, Iași, România (poster).
30. C. E. Ciomaga, M. Airimioaei, C. Galassi, A. R. Iordan, M. N. Palamaru, L. Mitoșeriu, *Electrical conduction, magnetic and magnetoelectric properties in  $x\text{NiFe}_2\text{O}_4$ +(1-x)PZTNb composite systems*, 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), 9 - 13 iulie 2012, Aveiro, Portugalia (prezentare orală).
31. ZV. Mocanu, M. Airimioaei, AR. Iordan, M N. Palamaru, LP. Curecheriu, L. Mitoșeriu, *Impedance*

- spectroscopy and magnetic investigation of  $Mg_xNi_{1-x}Fe_2O_4$  spinel ceramics*, ISAF-ECAPD-PFM 2012 - 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), 9 - 13 iulie 2012, Aveiro, Portugalia (*poster*).
32. C. E. Ciomaga, M. Airimioaei, I. Dumitru, C. Galassi, L. Mitoşeriu, *Studies on Impedance Spectroscopy and magnetic properties of ferrite-ferroelectric ceramic composites*, COST Action: MP0904 Training School Title: First COST MP0904 Training School “Nanostructured oxides: from laboratory research to industrial applications”, 11 – 14 martie 2012, IENI-CNR Genova, Italia (*poster*).
  33. C. E. Ciomaga, M. Airimioaei, V. Nica, L.M. Hrib, O.F. Caltun, A. R. Iordan, C. Galassi, L. Mitoşeriu, M. N. Palamaru, *Preparation and magnetoelectric properties of  $NiFe_2O_4$ -PZT ceramic composites*, 5th International Workshop on Amorphous and Nanostructured Magnetic Materials – ANMM 2011, 5 - 7 septembrie 2011, Iaşi, România (*prezentare orală*).
  34. C. E Ciomaga, C. Galassi, L Mitoşeriu, M. Airimioaei, A.R. Iordan, M.N. Palamaru, *Comparative study of the functional properties of pure and Nb-doped PZT - $NiFe_2O_4$  magnetoelectric ceramics*, Advances in Applied Physics and Materials Science Congress, 12 - 15 mai 2011, Istanbul Kultur University, Antalya, Turcia (*prezentare orală*).
  35. Z.V. Mocanu, M. Airimioaei, A.R. Iordan, M.N. Palamaru, L.P. Curecheriu, V. Nica, P. Postolache, L. Mitoseriu, *Functional properties of  $Mg_xNi_{1-x}Fe_2O_4$  ferrite*, 2nd ERS Meeting of the COST MP0904 Action, 16 - 18 noiembrie 2011, Novi Sad, Serbia (*poster*).
  36. M. Airimioaei, A.R. Iordan, M.N. Palamaru, L.P. Curecheriu, V. Nica, P. Postolache, L. Mitoseriu, *Structural investigation and functional properties of  $Mg_xNi_{1-x}Fe_2O_4$  ferrite*, 5th International Workshop on Amorphous and Nanostructured Magnetic Materials, 5 - 7 septembrie 2011, Iaşi, România (*poster*).
  37. A.M. Dumitrescu, M. Airimioaei, P. M. Samoilă, M. Vasile, A. R. Iordan, M. N. Palamaru, *Study of catalytic effect of oxidic compounds of  $NiFe_2O_4$  type in processes of chemical degradation*, The 10th International Conference on Colloids and Surfaces Chemistry, Universitatea “Dunărea de Jos” din Galaţi, 9 - 11 iunie 2011, Galaţi, România (*poster*).
  38. C.E. Ciomaga, M. Airimioaei, A. R. Iordan, M. N. Palamaru, L. Mitoşeriu, L. Leontie, A.V. Sandu, *The synthesis and the multifunctional characterization of  $Ni_{1-x}Mn_xFe_2O_4$  ferrites*, Syntheses and Methodologies in Inorganic Chemistry, SAMIC 2010, 28 noiembrie - 2 decembrie 2010, Bressanone, Italia (*poster*).
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## **G. II. Participări la manifestări științifice naționale**

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