

Lista de lucrări

Conf. dr. ing. Liliana BIZO

Articole publicate în reviste indexate/cotate ISI

1. N.I. Farkas; R. Barabás*; G.L. Turdean*; **L. Bizo**, Investigation of optimized poly(lactic acid)/hydroxyapatite/doxycycline coatings on titanium alloy surfaces, *Materials Science and Engineering: B* **2025**, 322, 118625, DOI: 10.1016/j.mseb.2025.118625.
2. V. Penciu, **L. Bizo**, R. A. Varga, A.-A. Someșan*, Organotin(IV) Alkoxides, Siloxides, and Related Stannoxanes. Characterisation and Thermogravimetric Studies, *ChemistryOpen* **2025**, 14(8), e202400494. DOI: 10.1002/open.202400494.
3. **L. Bizo***, A.-L. Bot, M. Mureșan-Pop*, L. Barbu-Tudoran, C.A. Cojan, R. Barabás, Magnesia Partially Stabilized Zirconia/Hydroxyapatite Biocomposites: Structural, Morphological and Microhardness Properties. *Crystals* **2025**, 15, 608, DOI:10.3390/cryst15070608
4. M. Rancea, O. Nemeș*, **L. Bizo***, Thermal behaviour of composite materials obtained from recycled Tetra Pak® by thermoplasting forming, *Studia Universitatis Babeș-Bolyai Chimia* **2025**, LXX, 1, 23-34, DOI: 10.24193/subbchem.2025.1.02
5. S. Moldovan; M. Mureșan-Pop; C.A. Cojan; R. Barabás; **L. Bizo***, Vickers microhardness and structural evaluation of experimental dental porcelain with zirconia addition, *Studia Universitatis Babeș-Bolyai Chimia* **2024**, LXIX, 4, 7-20, DOI:10.24193/subbchem.2024.4.01
6. A. Sanou, M. Coulibaly, S.R. N'dri, T.L. Tămaș, **L. Bizo**, T. Frentiu, E. Covaci, K. D.M. Abro, P.J.-M. R. Dablé, K.B. Yao, C.I. Fort*, G.L. Turdean*, Raw clay material-based modified carbon paste electrodes for sensitive heavy metal detection in drinking water, *Journal of Materials Science* **2024**, 59(30), 13961-13977, DOI:10.1007/s10853-024-09945-2
7. B.E. Sakhkhane, M. Mureșan-Pop, L. Barbu-Tudoran, T. Lovász, **L. Bizo***, Effect of Silver Vanadate Nanowires Addition on Structural and Morphological Properties of Dental Porcelain Prepared from Economic Raw Materials, *Crystals* **2024**, 14(7), 616, DOI:10.3390/cryst14070616
8. C.A. Cojan, R. Barabás, M. Mureșan-Pop, **L. Bizo***, Comparative phase evolution, morphological and optical analysis of partially stabilized zirconia ceramics, *Studia Universitatis Babeș-Bolyai, Chimia* **2024**, 69 (2), 7-17, DOI:10.24193/subbchem.2024.2.01

9. R. Barabás, N. Farkas, O. Cadar*, **L. Bizo***, M.A. Resz, A. Becze, L. Marincas, A. Vészi, B.A. Boşca, E. Dinte, C.N. Feurdean, A.W. Uriciuc, A.-M. Băbţan, A. Ilea, Release of amoxicillin and doxycycline from PLA nanofibers optimized using factorial experimental design, *Applied Physics A* **2023**, 129 (12), 1-17, DOI: 10.1007/s00339-023-07122-x
10. A.M. Urian, E. Gá*¹, **L.A. Bizo**, O. Nemeş*, N.M. Ilieş, A.C. Nagy, Utilizing plastic waste materials in geotechnical engineering: a sustainable solution for environmental challenges. *Studia Universitatis Babes-Bolyai, Chemia* **2023**, 68 (3), 115-127, DOI: 10.24193/subbchem.2023.3.07
11. N.I. Farkas, G.L. Turdean, **L. Bizo**, L. Marincas, O. Cadar, L. Barbu-Tudoran, **R. Barabas***, The effect of chemical composition and morphology on the drug delivery properties of hydroxyapatite-based biomaterials, *Ceramics International* **2023**, 49(15), 25156-25169, DOI: 10.1016/j.ceramint.2023.05.047
12. **L. Bizo***, M. Mureşan-Pop, R. Barabás, L. Barbu-Tudoran, A. Berar, In Vitro Degradation of Mg-Doped ZrO₂ Bioceramics at the Interface with Xerostom[®] Saliva Substitute Gel, *Materials* **2023**, 16 (7), 2680, DOI: 10.3390/ma16072680
13. R. Barabas, O. Cadar, **L. Bizo***, Comparative study of two commercial stoneware pastes for plastic shaping by pottery wheel, *Studia Universitatis Babes-Bolyai Chemia* **2022**, 68 (1), DOI: 10.24193/subbchem.2023.1.07
14. V. Andrei, N.I. Fiţ*, I. Matei, R. Barabás, **L.A. Bizo**, O. Cadar, B.A. Boşca, In Vitro Antimicrobial Effect of Novel Electrospun Polylactic Acid/Hydroxyapatite Nanofibres Loaded with Doxycycline, *Materials* **2022**, 15 (18), 6225, DOI: 10.3390/ma15186225
15. N.I. Farkas, L. Marincas, R. Barabás*, **L. Bizo***, A. Ilea, G.L. Turdean, M. Toşa, Preparation and characterization of doxycycline-loaded electrospun PLA/HAP nanofibers as a drug delivery system, *Materials* **2022**, 15 (6), 2105, DOI: 10.3390/ma15062105
16. L. Marincas, G.L. Turdean, M. Toşa, Z. Kovács, B. Kovács, R. Barabás*, N.-I. Farkas*, **L. Bizo**, Hydroxyapatite and Silicon-Modified Hydroxyapatite as Drug Carriers for 4-Aminopyridine, *Crystals* **2021**, 11(9), 1124, DOI: 10.3390/cryst11091124
17. R. Barabás, N.-I. Farkas, C.L. Nagy, O. Cadar, C. Moisa, **L. Bizo***, Adsorption and desorption behavior of natural and synthetic active compounds on hydroxyapatite-based nanocomposites, *Ceramics International* **2021**, 47(6), 8584-8592, DOI: 10.1016/j.ceramint.2020.11.226
18. R. Barabás, C.I. Fort, G.L. Turdean*, **L. Bizo***, Influence of HAP on the morpho-structural properties and corrosion resistance of ZrO₂-based composites for biomedical applications *Crystals* **2021**, 11(2), 202, DOI: 10.3390/cryst11020202

19. A. Berar, M. Mureşan-Pop, L. Barbu-Tudoran, R. Barabás, **L. Bizo***, High-temperature solid-state synthesis of Mg-doped ZrO₂: Structural, optical and morphological characterization, *Studia Universitatis Babes-Bolyai Chemia* **2020**, 65(2), 221-232, DOI: 10.24193/subbchem.2020.2.18
20. L. Timiş, A. Avram*, M. Gorea*, **L. Bizo**, S. Cîmpean, R.S. Câmpian, Synthesis and characterization of nano biotricalcium silicate, as a component of an endodontic sealer, *Studia Universitatis Babes-Bolyai Chemia* **2020**, 65(3), 157-169, DOI: 10.24193/subbchem.2020.3.12
21. **L. Bizo**, K. Sabo, R. Barabás, G. Katona, L. Barbu-Tudoran, A. Berar*, Structural, morphological and dissolution properties of ZrO₂-based biocomposites for dental applications, *Studia Universitatis Babes-Bolyai Chemia* **2020**, 65(1), 137-148, DOI: 10.24193/subbchem.2020.1.11
22. R. Barabás, E. de Souza Ávila, L.O. Ladeira, L.M. Antônio, R. Tötös, D. Simedru, **L. Bizo***, O. Cadar, Graphene Oxides/Carbon Nanotubes–Hydroxyapatite Nanocomposites for Biomedical Applications, *Arabian Journal for Science and Engineering* **2020**, 45(1), 219-227, DOI: 10.1007/s13369-019-04058-4
23. R. Barabás, D. Deemter, G. Katona, G. Batin, L. Barabás, **L. Bizo**, O. Cadar*, Comparative study on physicochemical and mechanical characterization of new nanocarbon-based hydroxyapatite nanocomposites, *Turkish Journal of Chemistry* **2019**, 43(3), 809-824, DOI: 10.3906/kim-1811-55
24. M. Gorea, **L. Bizo***, A. Tănase, Physical and mechanical properties of some plaster mortars with oxide wastes, *Studia Universitatis Babes-Bolyai Chemia* **2018**, 63(4), 137-146, DOI: 10.24193/subbchem.2018.4.11
25. **L. Bizo***, A. Vulpoi, F. Goga, Enhancement of physical properties in ZrO₂/Ga₂O₃ co-substituted indium oxide, *Studia Universitatis Babes-Bolyai Chemia* **2017**, 62(3), 187-195, DOI: 10.24193/subbchem.2017.3.15
26. R. Barabás, N. Muntean, G. Szabó, K. Maurer, **L. Bizo***, Preparation and characterizations of new biomaterials by anthocyanins adsorption on hydroxyapatite-based materials, *Studia Universitatis Babes-Bolyai Chemia* **2017**, 62(4), 253-268, DOI: 10.24193/subbchem.2017.4.22
27. F. Goga, R. Dudric, **L. Bizo**, A. Avram, A.H. Marinceş, C. Varhelyi JR., T. Dippong*, Influence of the Ni/Mg ratio on the colour of spinel pigments prepared by a modified sol-gel method, *Studia Universitatis Babes-Bolyai Chemia* **2017**, 62(1), 261-270, DOI: 10.24193/subbchem.2017.1.23
28. **L. Bizo**, M. Gorea*, G. Katona, Influence of MgO/SiO₂ ratio and additives on bionanoforsterite powders characteristics, *Studia Universitatis Babes-Bolyai Chemia* **2016**, LXI, 3, Tom I, 239-249, WOS:000393577300023

29. F. Goga, R. Dudric, **L. Bizo**, A. Avram*, T. Dippong, G. Katona, G. Borodi, A. Anton, Influence of the thermal treatment on the colour of $RO \cdot Al_2O_3$ ($R = Co, Ni$) type spinel pigments prepared by a modified sol-gel method, *Studia Universitatis Babes-Bolyai Chemia* **2016**, LXI, 3, Tom I, 263-273, WOS:000393577300025
30. M. Cziko*, E.S. Bogya, R. Barabas, **L. Bizo**, R. Ștefan, *In vitro* biological activity comparison of some hydroxyapatite-based composite materials using simulated body fluid, *Central European Journal of Chemistry* **2013**, 11(10), 1583-1598, DOI: 10.2478/s11532-013-0293-5
31. R. Barabas*, M. Cziko, I. Dekany, **L. Bizo**, E. S. Bogya, Comparative study of particle size analysis of hydroxyapatite-based nanomaterials, *Chemical Papers* **2013**, 67(11) 1414–1423, DOI: 10.2478/s11696-013-0409-6
32. F. Goga*, R. Dudric, C. Cormoș, F. Imre, **L. Bizo**, R. Mișca, Fly ash from thermal power plant, raw material for glass-ceramic, *Environmental Engineering and Management Journal* **2013**, 12(2), 337-342, DOI: 10.30638/eemj.2013.041
33. **L. Bizo***, C. I. Anghel, New insights in physical properties predictions of indium based solid solution by experimental and artificial intelligence techniques, *Revue Roumaine de Chimie* **2012**, 57(4-5), 369-381, WOS:000320072000012
34. R. Barabas*, E.S. Bogya, V.R. Dejeu, **L. Bizo**, C.G. Aneziris, T. Kratschmer, P. Schmutz, Fluorhydroxyapatite Coatings Obtained by Flame-Spraying Deposition, *International Journal of Applied Ceramic Technology* **2011**, 8(3), 566-571, DOI: 10.1111/j.1744-7402.2009.02480.x
35. **L. Bizo**, M. Allix, H. Niu, M. J. Rosseinsky*, Magnetism and Phase Formation in the Candidate Dilute Magnetic Semiconductor System $In_{2-x}Cr_xO_3$: Bulk Materials are Dilute Paramagnets, *Advanced Functional Materials* **2008**, 18, 777-784, DOI: 10.1002/adfm.200700672
36. J. Choisnet*, **L. Bizo**, M. Allix, M. J. Rosseinsky, B. Raveau, Cation ordering in the fluorite-like transparent conductors $In_{4+x}Sn_{3-2x}Sb_xO_{12}$ and In_6TeO_{12} , *Journal of Solid State Chemistry* **2007**, 180(3), 1002-1010, DOI: 10.1016/j.jssc.2006.12.031
37. **L. Bizo**, J. Choisnet*, B. Raveau, Coupled substitution in In_2O_3 : New transparent conductors $In_{2-x}M_{2x/3}Sb_{x/3}O_3$ ($M=Cu, Zn$), *Materials Research Bulletin* **2006**, 41(12), 2232-2237, DOI: 10.1016/j.materresbull.2006.04.040
38. **L. Bizo**, J. Choisnet*, R. Retoux, B. Raveau, The great potential of coupled substitutions in In_2O_3 for the generation of bixbyite-type transparent conducting oxides, $In_{2-2x}M_xSn_xO_3$, *Solid State Communications* **2005**, 136(3), 163-168, DOI: 10.1016/j.ssc.2005.07.009

39. J. Choisnet*, **L. Bizo**, R. Retoux, B. Raveau, Antimony and antimony-tin doped Indium Oxide, IAO and IATO: promising transparent conductors, *Solid State Sciences* **2004**, 6(10), 1121-1123, DOI: 10.1016/j.solidstatesciences.2004.07.025
40. J. Choisnet*, **L. Bizo**, R. Retoux, S. Hebert, B. Raveau, New transparent conductors with the M_7O_{12} ordered deficient fluorite structure: from $In_4Sn_3O_{12}$ to $In_{5.5}Sb_{1.5}O_{12}$, *Journal of Solid State Chemistry* **2004**, 177(10), 3748-3751, DOI: 10.1016/j.jssc.2004.07.039

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1. **L. Bizo**, K.D. Magyari, Substitution of couple Sn(IV)/Zn(II) for In(III) in the fluorite-like transparent conductors: $In_{5-2x}Sn_{1+x}SbZn_xO_{12}$, *Studia Universitatis Babes-Bolyai Physica* **2015**, 60(LX), 2, 5-11.
2. **L. Bizo**, New indium-based oxide with oxygen-deficient fluorite-type structure: $In_{5.5}Sn_{0.5}Sb_{0.5}Te_{0.5}O_{12}$, *Studia Universitatis Babes-Bolyai Physica* **2014**, 59(LIX), 2, 69-77.
3. **L. Bizo**, Structural and electrical properties of $In_{5.5+x}Sb_{1.5-3x}W_{2x}O_{12}$ solid solution, *Studia Universitatis Babes-Bolyai Physica* **2012**, 57(LVII), 1, 15–24.

Publicații in extenso, apărute în lucrări ale principalelor conferințe internaționale de specialitate:

1. **L. Bizo**, K. Magyari, J.D. Chelaru, O. Nemeș, Comparative study of structural and optical properties of zirconium-doped indium oxide synthesized by solid state reactions and sol-gel technique, 5th International Conference on Powder Metallurgy and Advanced Materials: RoPM&AM 2017, Materials Research Forum LLC, Materials Research Proceedings **2018**, 8, 167-172, DOI: <http://dx.doi.org/10.21741/9781945291999-19>
2. A.M. Cormoș, D.A. Chisalita, H. Lisei, **L. Bizo**, C.C. Cormoș, Model of heat transfer in circulating fluidized beds applied for CO₂ capture by calcium-looping process, 13th International Conference on Heat Transfer, Fluid Mechanics and Thermodynamics HEFAT **2017**, 824-828.
3. **L. Bizo**, C.I. Anghel, Physical properties predictions of indium based solid solution by artificial intelligence techniques, 20th European Symposium on Computer Aided Process Engineering- ESCAPE20, Computer - Aided Chemical Engineering **2010**, 28, 835-840. [https://doi.org/10.1016/s1570-7946\(10\)28140-3](https://doi.org/10.1016/s1570-7946(10)28140-3)
4. E.S. Bogya, R. Barabas, **L. Bizo**, V. R. Dejeu, Preparation and characterization of silicate hydroxyapatites used for copper sorption, Proceedings of the 11th ECERS Conference **2009**, 1109-1113.

Participări la conferințe naționale/internaționale

1. The 24th International Conference "Life sciences for sustainable development", 25-27 September 2025, Cluj-Napoca, Romania, poster presentation: Studies on potassium-sodium phosphates as potential mixed fertilizer, M. Venter, L. Bizo.
2. The 24th International Conference "Life sciences for sustainable development", 25-27 September 2025, Cluj-Napoca, Romania, poster presentation: Studies on zinc-magnesium nitrates as potential mixed micro- and macroelement fertilizer, M. Venter, L. Bizo.
3. 17th International conference on materials chemistry (MC17), 7-10 July 2025, Edinburgh, United Kingdom, poster presentation: Mg-PSZ/HAP biocomposites: morphological structural and surface microhardness evaluation, C.A. Cojan, A.-L. Bot, M. Mureșan-Pop, L. Barbu-Tudoran, R. Barabás, L. Bizo.
4. 21st International Conference Students for Students, ICSFS XXIst edition, 9-13 April 2025, Cluj-Napoca, Romania, poster presentation: Coupled substitution in ZnO for the generation of wurtzite-type transparent conducting oxides, O.-R. Nemethi, L. Bizo.
5. 21st International Conference Students for Students, ICSFS XXIst edition, 9-13 April 2025, Cluj-Napoca, Romania, oral presentation: Electrospun indium-tin oxide nanofibres, C. Cociș-Vagner, L. Bizo.
6. The 23rd International Conference "Life sciences for sustainable development", 26-28 September 2024, Cluj-Napoca, Romania, poster presentation: Studies on zinc-potassium sulfate double salt, as potential complex fertilizer, M. Venter, E.E. Toaso, L. Bizo.
7. 2nd Central and Eastern European Conference on Physical Chemistry and Materials Science, 16-19 September 2024, Kaunas, Lithuania, poster presentation: Ions release, microhardness and cytotoxicity of Mg-doped ZrO₂ bioceramics, C.A. Cojan, R. Barabás, M. Suci, E. Covaci, T. Frențiu, L. Bizo.
8. International Conference "Students for Students" ICSFS XXth edition 17-21 april 2024, Cluj-Napoca, Romania, poster presentation: Bandgap engineering by gallium and tin codoping in indium oxide for optoelectronic applications, oral presentation, C. Cociș-Vagner, L. Bizo,
9. International Conference "Students for Students"-ICSFS XXth edition, 17-21 april 2024, Cluj-Napoca, Romania, poster presentation: Ga concentration optimization to enhance the optical properties of Ga-doped ZnO nanopowders prepared by solid state reaction, O.-R. Nemethi, K. Dejan, G. Tarniță, C. Timiș, L. Bizo.
10. International Chemical Engineering and Material Symposium, SICHEM 2022, 17-18 September 2022, Bucuresti, Romania, poster presentation: Preparation, structural and

morphological properties of zirconia-based ceramics, C.A. Cojan, M. Mureșan-Pop, L. Barbu-Tudoran, L. Bizo.

11. International Conference "Students for Students" -ICSFS XVIIIth edition, Cluj-Napoca, Romania, 6-10 April 2022, oral presentation: Preparation and phase transformation of Mg-doped ZrO₂ bioceramics, C.A. Cojan, A.B. Dragotescu, A.-T. Meșter, L. Bizo.
12. International Conference on Dental and Clinical Dentistry (ICDCCD-22), International Institute of Education, Research and Development (IIERD), 26-27 April 2022, Crete, Greece, poster presentation: Intelligent matrix systems with local antimicrobial effects and meta-inflammation control, A. Ilea, V. Andrei, N. Fiț, I. Matei, R. Barabas, L. Bizo, O. Cadar, E. Dinte, D. Munteanu, A.B. Boșca, A.Ș. Mesaros, C.N. Feurdean, A. Ionel, A.W. Uriciuc, A. Boca, S. Candrea, M. Tăut, A.M. Băbțan.
13. Application of Chemistry in Nanosciences and Biomaterials Engineering-NanoBioMat 2021, 25-27 November 2021, Bucharest, Romania, poster presentation: Investigation of silicon-doped hydroxyapatite drug carrier for different active substances, N.-I. Farkas, L. Marincea, G. L. Turdean, R. Barabás, L. Bizo.
14. The 10th Edition of the International Symposium Napoca Biodent 2021, New Challenges in Dental Research, 5-6 Nov. 2021, Cluj-Napoca, Romania, Development of an innovative material used in the periodontitis therapy, oral presentation: V. Andrei, N. Fiț, I. Matei, R. Barabas, L. Bizo, A.-M. Băbțan, C.N. Feurdean, A. Ionel, A.W. Uriciuc, A.Ș. Mesaros, A. Boca, S. Candrea, M. Tăut, A. Ilea.
15. 14th International Conference on Solid State Chemistry-SSC 2021, 13-17 June 2021, Trenčín, Slovakia, poster presentation: Solid state synthesis and in vitro characterization of Mg-doped ZrO₂ bioceramics for dental applications, L. Bizo, M. Mureșan-Pop, R. Barabás, A. Berar.
16. International Conference "Students for Students"-ICSFS XVIIth edition, 21-24 April 2021, poster presentation: ZrO₂-based nano-biocomposites: solid-state synthesis and morpho-structural characterization, C.A. Cojan, L. Marincea, N.-I. Farkas, L. Bizo.
17. 12th International Conference-Environmental Legislation Safety Engineering and Disaster Management ELSSEDIMA, 17-19 May 2018, Cluj-Napoca, Romania, poster presentation: Gypsum-based mortars with addition of waste for construction, M. Gorea, J.D. Chelaru, L. Bizo, A. Tănase.
18. 5th International Conference On Powder Metallurgy & Advanced Materials-RoPM&AM 2017, 17-20 September 2017, Cluj-Napoca, Romania, poster presentation: Comparative study of structural and optical properties of zirconium-doped indium oxide synthesized by solid state reactions and sol-gel technique, L. Bizo, K.D. Magyari, J.D. Chelaru, O. Nemeș.

19. 13th International Conference on Heat Transfer Fluid Mechanics and Thermodynamics-HEFAT2017, 17-19 July 2017, Portoroz, Slovenia, poster presentation: Model of heat transfer in circulating fluidized beds applied for CO₂ capture by calcium-looping process, A.M. Cormoș, D.-A. Chisăliță, H.-I. Lisei, L. Bizo, C.C. Cormoș.
20. International conference “New trends and strategies in the chemistry of advanced materials with relevance in biological systems”, technique and environmental protection, 8-9 June 2017, poster presentation: Calcium silicate based biomaterials for dental cements, M. Gorea, L. Bizo, M. Tomoaia-Cotișel, N. Har, L.I. Timiș.
21. International conference “New trends and strategies in the chemistry of advanced materials with relevance in biological systems, technique and environmental protection”, 8-9 June 2017, Timișoara, Romania, poster presentation: Structural and electrical investigations of new transparent conductors with bixbyite structure, L. Bizo, M. Gorea, K.D. Magyari.
22. International conference „New trends and strategies in the chemistry of advanced materials with relevance in biological systems, technique and environmental protection”, 9-10 June 2016, Timișoara, Romania, poster presentation: Synthesis and structural characterization of manganese and tin co-substituted indium oxide, L. Bizo, M. Gorea.
23. International conference „New trends and strategies in the chemistry of advanced materials with relevance in biological systems, technique and environmental protection”, 9-10 June 2016, Timișoara, Romania, poster presentation: Preparation and characterization of porous forsterite-based bioceramics, M. Gorea, M.-A. Naghiu, N. Har, L. Bizo, M. Tomoaia-Cotișel.
24. 11th International Conference Environmental Legislation, Safety Engineering and Disaster Management-ELSEDIMA, 26-28 May 2016, Cluj-Napoca, Romania, poster presentation: Preliminary research for using CRT glass wastes as a flux for raw ceramic glazes, M. Gorea, L. Bizo, J. Bartha, L. Hornea.
25. International Conference “Students for students” 2016, 13-17 April 2016, Cluj-Napoca, Romania, poster presentation: Enhancement of optical properties of In₂O₃ by substitution of Ga³⁺/Sn⁴⁺ for In³⁺, I. Steinbinder, L. Bizo.
26. International Conference “Students for students 2016”, 13-17 April 2016, Cluj-Napoca, Romania, poster presentation: The effects of thermal treatment on RO·Al₂O₃ spinel pigments synthesized by sol-gel technique, A. Anton, F. Goga, L. Bizo.
27. Nanoscience in Chemistry, Physics, Biology and Mathematics- NanoMathChem 2015, 12-14 November 2015, Cluj-Napoca, Romania, poster presentation: Influence of MgO/SiO₂ ratio and additives on bionanoforsterite powders characteristics, L. Bizo, M. Gorea, G. Katona.

28. 15th European Conference on Solid State Chemistry-ECSSC 15, 23-26 August 2015, Vienna, Austria, poster presentation: Substitution of couple Sn(IV)/Zn(II) for In(III) in the fluorite-like transparent conductors: $\text{In}_{5-2x}\text{Sn}_{1+x}\text{SbZn}_x\text{O}_{12}$, L. Bizo.
29. International conference „New trends and strategies in the chemistry of advanced materials with relevance in biological systems, technique and environmental protection”, 4-5 June 2015, Timișoara, Romania, poster presentation: Synthesis and structural characterization of nanoforsterite powders for biomedical applications, M. Gorea, L. Bizo, D. Pițiș.
30. International Conference „Students for Students” 2015, 22-26 April 2015, Cluj-Napoca, Romania, poster presentation: Synthesis and structural properties of $\text{In}_{2-2x}\text{Ga}_x\text{Sn}_x\text{O}_3$ solid solution, I. Steinbinder, L. Bizo.
31. 14th European Conference on Solid State Chemistry - ECSSC XIV, 7-10 July 2013, Bordeaux, France, poster presentation: Coupled substitution in indium oxide for the generation of new solar energy materials, Bizo L., Dunca A., Goga F.
32. 18th International Conference on Chemistry, 22-25 November 2012, Oradea/Băile Felix, Romania, oral presentation: Testing of hydroxyapatite based materials behavior in water and in SBF, M. Cziko, R. Barabás, L. Bizo, E.S. Bogya.
33. 9th International conference Environmental Legislation, Safety Engineering and Disaster Management- ELSEDIMA, 25-27 Octombrie 2012, Cluj-Napoca, Romania, poster presentation: Fly ash from thermal power plant, raw material for glass-ceramic, F. Goga, R. Dudric, C.C. Cormos, F. Imre, L. Bizo, R. Mișca.
34. 17th International Conference on Chemistry, 3-6 November 2011, Cluj-Napoca, Romania, oral presentation: Hydroxyapatite composites particle size variation in time, M. Cziko, R. Barabás, E S. Bogya, L. Bizo.
35. EuroNanoForum 2011-ENF 2011, 30 May-1 June 2011, Budapest, Hungary, oral presentation: Preparation and application of nanosized hydroxyapatite compounds, E.S. Bogya, R. Barabás, L. Bizo, M. Cziko.
36. 13th European Conference on Solid State Chemistry-ECSSC XIII, 25-28 September 2011, Lund, Sweden, poster presentation: Preparation and structural characterization of nanosized chitosan/ hydroxyapatites, L. Bizo, R. Barabás, M. Cziko, E. S. Bogya, A.M. Cormoș.
37. Magnetic and Physical Properties Measurements Systems Symposium, 3-4 June 2010, Sibiu, Romania, oral presentation: Indium based transparent conducting oxides: optical and electrical measurements, L. Bizo.

38. 9th Conference on Solid State Chemistry - SSC 2010, 11-15 September 2010, Prague, Czech Republic, poster presentation: $\text{In}_{5.5+x}\text{Sb}_{1.5-3x}\text{W}_{2x}\text{O}_{12}$ solid solution: structural characterization and physical properties, L. Bizo, J. Choisnet.
39. 9th Conference on Solid State Chemistry - SSC 2010, 11-15 September 2010, Prague, Czech Republic, poster presentation: New silica containing hydroxyapatite coatings by flame spraying deposition, R. Barabás, E.S. Bogya, L. Bizo, V. Dejeu.
40. European Symposium on Computer Aided Process Engineering-ESCAPE 20, 6-9 June 2010, Ischia, Italy, poster presentation: Physical properties predictions of indium based solid solution by artificial intelligence techniques, L. Bizo, C. I. Anghel.
41. 12th European Conference on Solid State Chemistry - ECSSC XII, 20-23 September 2009, Munster, Germany, poster presentation: Influence of W^{6+} cations on the electrical properties of indium rich solid solution with anion deficient fluorite structure, L. Bizo, J. Choisnet.
42. 11th International Conference and Exhibition of the European Ceramic Society - ECERS XI, 21-25 June 2009, Krakow, Poland, poster presentation: Preparation and characterization of silicate hydroxyapatites used for copper sorption, E. S. Bogya, R. Barabás, L. Bizo, V.R. Dejeu, M. Cziko, E.S. Bogya, R. Barabás.
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Brevete de invenție și alte titluri de proprietate industrială:

1. Brevet de invenție (OSIM) nr. 127891 eliberat la 30.12.2013, ”Material de construcții din deșeuri de lemn”, BOPI nr. 12/2013, R. Barabás, J. Fazakas, A. Pop, L. Bizo.