



## LISTA DE LUCRĂRI

**GHIȚULICĂ Daniela Cristina**

### I. ARTICOLE/STUDII IN EXTENSO PUBLICATE

*Ris* - în reviste de specialitate de circulație internațională recunoscute (cotate / indexate ISI Thomson Reuters, sau indexate in alte Baze de Date Internaționale - BDI specifice domeniului, care fac un proces de selecție a revistelor pe baza unor criterii de performanta).

- Ris1.** Voicu G., Miu D., **Ghitulica C.-D.**, Jinga S.-I., Nicoara A.-I., Busuioc C., Holban A.-M., Co doped ZnO thin films deposited by spin coating as antibacterial coating for metallic implants, *Ceramics International*, Volume 46, Issue 3, 15 February 2020, Pages 3904-3911, WOS:000508752000161, ISSN: 0272-8842, F.I<sub>2019</sub> = 3,83;
- Ris2.** **Ghitulica C.D.**, Cucuruz Andreia, Voicu G., Cucuruz A.T., Dinescu S., Selaru A., Costache M, Ceramics based on calcium phosphates substituted with magnesium ions for bone regeneration, *International Journal of Applied Ceramic Technology*, Volume 17, Issue 1,1 January 2020, Pages 342-353, WOS:00047717120000L ISSN: 1546-542X, F.I<sub>2019</sub> = 1.762;
- Ris3.** Stoleriu S., Lungu C., **Ghitulica C.D.**, Surdu A., Voicu G., Cucuruz Andreia, Turculet C.S., Ciocan L.T., Influence of dopant nature on biological properties of ZnO thin-film coatings on Ti alloy substrate, *Nanomaterials*, Volume 10, Issue 1, January 2020. Article number 129, F.I. 4,034, WOS:000516825600129, PubMed ID: 3193-6775, WOS:000516825600129, eISSN: 2079-4991, F.I<sub>2019</sub> = 4.324;
- Ris4.** Zanfir A.-V., Nenu N., Voicu G., Badanoiu A.-I., **Ghitulica C.-D.**, Iordache F., Modified calcium silicophosphate cements with improved properties, *Materials Chemistry and Physics* Volume 238, 1 December 2019, Article number 121965, WOS:000490046000057, ISSN: 0254-0584, F.I<sub>2019</sub> = 3.408;
- Ris5.** Paduraru A., **Ghitulica C.**, Trusca R., Surdu V.A., Neacsu I.A., Holban A.M., Birca A.C., Iordache F., Vasile B.S., Antimicrobial wound dressings as potential materials for skin tissue regeneration, *Materials, Open Access*, Volume 12, Issue 11, 1 June 2019, Article number 1859;
- Ris6.** **Ghitulica C.**, Stefan S., Vasile O.R., Trusca R., Neacsu I.A., Vasile B.S., Porous ceramic support embedded with microorganisms used in water purification, [Suport ceramic poros cu microorganisme încorporate folosit în purificarea apelor naturale], *Revista Romana de Materiale/ Romanian Journal of Materials, Open Access*, Volume 49, Issue 1, 2019, Pages 33-41;
- Ris7.** Busuioc C., **Ghitulică C.D.**, Stoica A., Stroescu M., Voicu G., Ioniță V., Averous L., Jinga S.I., *Calcium phosphates grown on bacterial cellulose template*, *Ceramics International*, Volume 44, Issue 8, 1 June 2018, Pages 9433-9441, ISSN 0272-8842, F.I<sub>2017</sub> = 3,057;

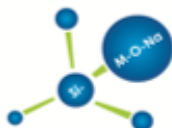


- Ris8.** Vasile B.Ș., Vasile O.R., **Ghitulică D.C.**, Ilie F.C., Nicoară I.F., Trușcă R., Oprea O.C., Surdu V.A., Neacșu - *Eu<sup>3+</sup>-doped ZnO nanostructures: Advanced characterizations, photoluminescence and cytotoxic effect*, Romanian Journal of Morphology and Embryology, Volume 58, Issue 3, 2017, Pages 941-952, ISSN 1220-0522, F.I<sub>2017</sub> = 0,912;
- Ris9.** Ilie A., **Ghitulică C.**, Andronescu E., Cucuruz A., Ficăi A. - *New composite materials based on alginate and hydroxyapatite as potential carriers for ascorbic acid*, International Journal of Pharmaceutics, October 21, 2015, Article in press, ISSN 0378-5173, F.I<sub>2012</sub> = 3,458.
- Ris10.** Stoica A.O., Andronescu E., **Ghitulică C.D.**, Voicu G., Grumezescu A.M., Popa M., Chifiriuc M.C. - *Preparation and characterization of undoped and cobalt doped ZnO for antimicrobial use*, International Journal of Pharmaceutics, September 11, 2015, Article in press, ISSN: 03785173, F.I<sub>2012</sub> = 3,458.
- Ris11.** A. Mesaros, **C.D. Ghitulica**, M. Popa, R. Mereu, A. Popa, T. Petrisor Jr., M. Gabor, A.I. Cadis, B.S. Vasile- *Synthesis, structural and morphological characteristics, magnetic and optical properties of Co doped ZnO nanoparticles*, Ceramics International, 40 (2), 2835-2846, 2014, ISSN 0272-8842, F.I<sub>2012</sub> = 1,789.
- Ris12.** A.T. Cucuruz, E. Andronescu, **C. Ghitulică**, A. Ilie - *Synthesis and characterization of a new composite material based on poly(methyl methacrylate) and silica for dental applications*, Revista Română de Materiale (Romanian Journal of Materials), in press, 2014, ISSN 1583-3186, F.I<sub>2012</sub> = 0,610.
- Ris13.** A. Ilie, E. Andronescu, **C. Ghitulică**, A.T Cucuruz - *Antiseptic composite materials for biomedical applications*, Revista Română de Materiale (Romanian Journal of Materials), in press, 2014, ISSN 1583-3186, F.I<sub>2012</sub> = 0,610.
- Ris14.** R. I. Iliescu, E. Andronescu, **C.D. Ghitulica**, G. Voicu, A. Ficăi, M. Hoteteu - *Montmorillonite–alginate nanocomposite as a drug delivery system – incorporation and in vitro release of irinotecan*, International Journal of Pharmaceutics, in press (<http://dx.doi.org/10.1016/j.ijpharm.2013.08.043>), 2013, ISSN 0378-5173, F.I<sub>2012</sub> = 3,458.
- Ris15.** A. M. Grumezescu, **C. D. Ghitulica**, G. Voicu, K.-S. Huang, C.-H. Yang, A. Ficăi, B. S. Vasile, V. Grumezescu, C. Bleotu, C. M. Chifiriuc- *New silica nanostructure for the improved delivery of topical antibiotics used in the treatment of staphylococcal cutaneous infections*, International Journal of Pharmaceutics, in press, 2013, ISSN 0378-5173, F.I<sub>2012</sub> = 3,458.
- Ris16.** O. Oprea, **C.D. Ghitulică**, G. Voicu, B. Ș. Vasile, A. Oprea - *Synthesis and photocatalytic properties of Fe(III)-doped TiO<sub>2</sub> prepared by sol-gel method*, Revista Română de Materiale (Romanian Journal of Materials), 43 (4), 408-416, 2013, ISSN 1583-3186, F.I<sub>2012</sub> = 0,610.
- Ris17.** G. Voicu, R. E. Geanaliu, **C.D. Ghitulică**, A. Ficăi, A. M. Grumezescu, C. Bleotu - *Synthesis, characterization and bioevaluation of irinotecan- collagen hybrid materials for biomedical applications as drug delivery systems in tumoral treatments*, Central European Journal of Chemistry, 11 (12), 2134-2143, 2013, ISSN 1895-1066, F.I<sub>2012</sub> = 1,167.
- Ris18.** A.M. Grumezescu, A.I. Cotar, E. Andronescu, A. Ficăi, **C.D. Ghitulica**, V. Grumezescu, B.S. Vasile, M.C. Chifiriuc - *In vitro activity of the new water dispersible Fe<sub>3</sub>O<sub>4</sub>@usnic acid nanostructure against planktonic and sessile bacterial cells*, Journal of Nanoparticle Research, 15, 1766, 2013, ISSN 1388-0764, F.I<sub>2012</sub> = 2,175.
- Ris19.** G. Voicu, V. Grumezescu, E. Andronescu, A. M. Grumezescu, A. Ficăi, **C.D. Ghitulica**, I. Gheorghe, M. C. Chifiriuc - *Caprolactam-silica network, a strong potentiator of the antimicrobial*



activity of kanamycin against Gram-positive and Gram-negative bacterial strains, International Journal of Pharmaceutics, 446, 63–69, 2013, , ISSN 0378-5173, F.I<sub>2012</sub> = 3,458.

- Ris20.** E. Dinu, **C. Ghitulică**, G. Voicu, M. Bîrsan, E. Andronescu - *The influence of the pyrosol synthesis temperature on the hydroxyapatite powders' characteristics*, Revista Română de Materiale (Romanian Journal of Materials), 43 (1), 61-67, 2013, ISSN 1583-3186, F.I<sub>2012</sub> = 0,610.
- Ris21.** E. Dinu, M. Bîrsan, **C. Ghitulică**, G. Voicu, E. Andronescu - *Synthesis and characterization of hydroxyapatite obtained by sol-gel method*, Revista Română de Materiale (Romanian Journal of Materials), 43 (1), 55-60, 2013, ISSN 1583-3186, F.I<sub>2012</sub> = 0,610.
- Ris22.** **C. Ghitulică**, M. Cernea, B. S. Vasile, E. Andronescu, O. R. Vasile, C. Dragoi, R. Trusca - *Structural and electrical properties of NBT-BT<sub>0.08</sub> ceramic prepared by the pyrosol method*, Ceramics International, 39 (5), 5925-5930, 2013, ISSN 0272-8842, F.I<sub>2012</sub> = 1,789;
- Ris23.** B.Ș. Vasile, E. Andronescu, **C. Ghitulică**, O. R. Vasile, L. Curechiu, R. Scurtu, E. Vasile, R. Trușcă, L. Pall, V. Aldica - *Microstructure and electrical properties of zirconia and composite nanostructured ceramics sintered by different methods*, Ceramics International, 39 (3), 2535-2543, 2013, ISSN 0272-8842, F.I<sub>2012</sub> = 1,789;
- Ris24.** O. R. Vasile, E. Andronescu, **C. Ghitulica**, B. S. Vasile, O. Oprea, E. Vasile, R. Trusca - *Synthesis and characterization of nanostructured zinc oxide particles synthesized by the pyrosol method*, J Nanopart Res, 14, 1269, 2012, ISSN: 1388-0764, F.I<sub>2012</sub> = 2,175;
- Ris25.** R. Rogojan, E. Andronescu, **C. Ghitulica**, M. Birsan, G. Voicu, S. Stoleriu, A. Melinescu, A. Ianculescu- *Analysis of the structure and morphology of hydroxyapatite nanopowder obtained by sol-gel and pirosol methods*, Advanced Materials Research, 590 (1), 63-67, 2012, ISSN 1662-8985 (doi:10.4028/www.scientific.net/AMR.590) Trans Tech Publications, Switzerland; indexată SCOPUS, Ei Compendex, Cambridge Scientific Abstracts (CSA), Chemical Abstracts (CA), Google și Google Scholar/AMR.590.63.
- Ris26.** G. Voicu, A.I. Bădănoiu, **C.D. Ghitulică**, E. Andronescu - *Sol-gel synthesis of white mineral trioxide aggregate with potential use as biocement*, Digest Journal of Nanomaterials and Biostructures, 7 (4), 1639-1646, 2012, ISSN 1842-3582, F.I<sub>2012</sub> = 1,092;
- Ris27.** G. Voicu, **C.D. Ghitulică**, E. Andronescu - *Modified Pechini synthesis of tricalcium aluminate powder*, Materials Characterization, 73, 89-95, 2012, ISSN: 1044-5803, F.I<sub>2012</sub> = 1,880;
- Ris28.** E. Dinu, **C.D. Ghitulică**, G. Voicu, E. Andronescu - *Calcium phosphate powders obtained through the Pyrosol method*, Revista Română de Materiale (Romanian Journal of Materials), 41 (3), 248-254, 2011, ISSN 1583-3186, F.I<sub>2011</sub> = 0,378;
- Ris29.** G. Voicu, **C.D. Ghitulică**, E. Dinu, E. Andronescu - *In-vitro behaviour of dicalcium silicate obtained through the sol-gel method*, Revista Română de Materiale (Romanian Journal of Materials), 41 (3), 229-233, 2011, ISSN 1583-3186, F.I<sub>2011</sub> = 0,378;
- Ris30.** M. Chirea, A. Freitas, B.Ș. Vasile, **C. Ghitulică**, C.M. Pereira, F. Silva - *Gold Nanowire Networks: Synthesis, Characterisation and Catalytic Activity*, Langmuir, 27 (7), 3906 - 3916, 2011, ISSN: 0743-7463, F.I<sub>2011</sub> = 4,186 (DOI: 10.1021/la104092b);
- Ris31.** A. Ficai, E. Andronescu, G. Voicu, **C. Ghitulică**, B.Ș. Vasile, D. Ficai, V. Trandafir - *Self assembled collagen / hydroxyapatite composite materials*, Chemical Engineering Journal, 160 (2), 794 - 800, 2010, ISSN 1385-8947, F.I<sub>2010</sub> = 3,074 (DOI: 10.1016/j.cej.2010.03.088);
- Ris32.** A. Ficai, E. Andronescu, G. Voicu, **C. Ghitulică**, D. Ficai (Mânzu) - *The influence of collagen support and ionic species on the morphology of collagen/hydroxyapatite composite materials*,



Materials Characterization, 61 (4), 402 - 407, 2010, ISSN 1044-5803, F.I.<sub>2010</sub> = 1,496 (DOI: 10.1016/j.matchar.2010.01.003);

- Ris33.** B.Ș. Vasile, O.R. Vasile, **C. Ghituliță**, E. Andronescu, R. Dobranis, E. Dinu, R. Trușcă - *Ytria totally stabilized zirconia nanoparticles obtained through the pyrosol method*, Physica Status Solidi A-Applications and Materials Science, 207 (11), 2499-2504, 2010, ISSN: 1862-6300 F.I.<sub>2010</sub> = 1,458 (DOI 10.1002/pssa.200925623);
- Ris34.** A. Ficai, E. Andronescu, V. Trandafir, **C. Ghituliță**, G. Voicu - *Collagen/hydroxyapatite composite obtained by electric field orientation*, Materials Letters, 64 (4), 541 - 544, 2010, ISSN: 0167-577X, F.I.<sub>2010</sub> = 2,117 (DOI: 10.1016/j.matlet.2009.11.070);
- Ris35.** A. Ficai, E. Andronescu, **C. Ghituliță**, G. Voicu, V. Trandafir, D. Mânzu, M. Ficai, Ș. Pall - *Collagen/Hydroxyapatite Interactions in Composite Biomaterials*, Revista Materiale Plastice, 46(1), 11 - 15, 2009, ISSN 0025-5289, F.I.<sub>2009</sub> = 0,000;
- Ris36.** N. Lițoiu, S.I. Roșca, M. Singer, I. Petrescu, **C. Ghituliță**- *Managementul dezvoltării și implementării programelor de studiu prin învățământ la distanță pentru domeniul Chimie*, Revista Română de Materiale, ISSN: 1583-3186, 39 (2), 165-172, 2009, F.I.<sub>2009</sub> = 0,242;
- Ris37.** A.-M. Moisin, A.I. Dumitru, E. Andronescu, **C. Ghituliță**- *Metoda Columbit în 3 trepte folosită pentru prepararea PMN-PT*, Revista de Chimie, 59 (6), 628-630, 2008, ISSN 0034-7752, F.I.<sub>2008</sub> = 0,389;
- Ris38.** C. Birsan, **C. Ghituliță**, E. Andronescu, C. Ioniță, M. Birsan- *Bioglasses in the SiO<sub>2</sub>-CaO-P<sub>2</sub>O<sub>5</sub> system*, Advanced Materials Research, vols. 47-50, 1063-1066, 2008, ISSN: 1022-6680, Trans Tech Publications, Switzerland; indexată SCOPUS, Ei Compendex, Cambridge Scientific Abstracts (CSA), Chemical Abstracts (CA), Google și Google Scholar, ISI (ISTP), Institution of Electrical Engineers (IEE);
- Ris39.** **C. Ghituliță**, E. Andronescu, O. Nicola, M. Birsan- *Porous Ceramics for High Temperature Filters*, Advanced Materials Research, vols. 47-50, 960 - 963, 2008, ISSN 1022-6680, Trans Tech Publications, Switzerland; indexată SCOPUS, Ei Compendex, Cambridge Scientific Abstracts (CSA), Chemical Abstracts (CA), Google și Google Scholar, ISI (ISTP), Institution of Electrical Engineers (IEE);
- Ris40.** O. Nicola, **C. Ghituliță**, E. Andronescu, C. Visan, B.Ș. Vasile, *Composite ceramics reinforced with zirconia nanopowders*, Advanced Materials Research, vols. 47-50, 1059-1062, 2008, ISSN 1022-6680, Trans Tech Publications, Switzerland; indexată SCOPUS, Ei Compendex, Cambridge Scientific Abstracts (CSA), Chemical Abstracts (CA), Google și Google Scholar, ISI (ISTP), Institution of Electrical Engineers (IEE);
- Ris41.** O. Nicola, E. Andronescu, **C. Ghituliță**, M. Birsan, E. Dinu- *Preparation and characterization of a nanostructured dental composite*, Physica Status Solidi (a), 205 (6), 1494-1499, 2008, ISSN 1521-396X, F.I.<sub>2008</sub> = 1,221 (DOI: 10.1002/pssa.200778144), (Trends in Nanotechnology Conference TNT2007, 03 - 09 septembrie 2007, San Sebastian, Spania);
- Ris42.** E. Dinu, E. Siebert, E. Andronescu, E. Djurado, L. Dessemond, **C. Ghituliță**- *Nanocrystallites obtained through the pyrosol method*, Physica Status Solidi (a), 205 (6), 1488-1493, 2008, ISSN 1521-396X, F.I.<sub>2008</sub> = 1,221 (DOI: 10.1002/pssa.200778150), (Trends in Nanotechnology Conference TNT2007, 03 - 09 septembrie 2007, San Sebastian, Spania);
- Ris43.** B.Ș. Vasile, **C. Ghituliță**, N. Popescu-Pogrion, S. Constantinescu, I. Mercioniu, R. Stan, E. Andronescu- *Structural Investigations on Ytria - doped Zirconia Nanopowders Obtained by Sol-gel Method*, Journal of Optoelectronics and Advanced Materials, 9 (12), 3774 - 3780, 2007, ISSN 1454 - 4164, F.I.<sub>2007</sub> = 0,827;
- Ris44.** **C. Ghituliță**, E. Andronescu, O. Nicola, A. Dicea, M. Birsan, *Preparation and Characterization of Cordierite Powders*, Journal of European Ceramic Society, 27 (2-3), 711 - 713,





2007, ISSN 0955-2219, F.I.<sub>2007</sub> = 1,562, (IX Conference and Exhibition of the European Ceramic Society, 19 – 23 iunie 2005, Portoroz, Slovenia);

- Ris45.** M. Bîrsan, E. Andronescu, C. Bîrsan, **C. Ghitulică**, G. Pall- *Alumina based Composites with Possible Medical Applications*, Journal of Optoelectronics and Advanced Materials, 9 (8), 2634 – 2637, 2007, ISSN 1454 – 4164, F.I.<sub>2007</sub> = 0,827 (IX Conference and Exhibition of the European Ceramic Society, 19 – 23 iunie 2005, Portoroz, Slovenia);
- Ris46.** E. Andronescu, O. Nicola, C. Bîrsan, **C. Ghitulică**- *Biomateriale ferimagnetice cu aplicații în medicină*, Revista Română de Materiale, 37 (2), 122 – 127, 2007, ISSN:1583-3186, indexată ISI, Chemical Abstracts code RRMEB7, Ceramic Abstracts, CNRS – INIST code 17665, Master Journal List Thomson Scientific, MK – Periodika, IPGA – Glassfile (IX Conference and Exhibition of the European Ceramic Society, 19 – 23 iunie 2005, Portoroz, Slovenia);
- Ris47.** A. M. Moisin, A. I. Dumitru, E. Andronescu, **C. Ghitulică**- *Studies on PZT–Nb modified piezoceramic materials*, Journal of Optoelectronics and Advanced Materials, 8 (2), 553 – 555, 2006, ISSN 1454 – 4164, F.I.<sub>2006</sub> = 1,106;
- Ris48.** O. Nicola, E. Andronescu, **C. Ghitulică**, L. Pall- *Experimentări privind obținerea și caracterizarea porțelanului dentar în sistemul  $K_2O - ZnO - MgO - Al_2O_3 - P_2O_5 - SiO_2$* , Revista Română de Materiale, 36 (4), 261 - 270, 2006, ISSN 1583-3186, indexată ISI, Chemical Abstracts code RRMEB7, Ceramic Abstracts, CNRS – INIST code 17665, Master Journal List Thomson Scientific, MK – Periodika, IPGA – Glassfile;
- Ris49.** **C. Ghitulică**, G. Boretto, E. Andronescu, *Processing and characterization of zirconia reinforced composite ceramic foams*, Revista de Chimie, 56 (12), 1218 – 1221, 2005, ISSN 0034-7752, F.I.<sub>2005</sub>= 0,278;
- Ris50.** **C. Ghitulică**, E. Andronescu, G. Dumitru, Ș. Stoleriu- *Preparation of alumina and cordierite based porous ceramic materials*, Key Engineering Materials, vol. 264 – 268, 2247 – 2250, 2004, ISSN 1013-9826, F.I.<sub>2004</sub>= 0,278, (Eighth ECERS);
- Ris51.** M. Bîrsan, E. Andronescu, C. Bîrsan, **C. Ghitulică**, E. Ștefan- *Ferromagnetic Biocomposites with Improved Bioactivity*, Key Engineering Materials, vol. 264 – 268, 2043 - 2046, 2004, ISSN 1013-9826, F.I.<sub>2004</sub>= 0,278, (Eighth ECERS);
- Ris52.** E. Andronescu, M. Năstase, **C. Ghitulică**, E. Ștefan- *Composite Bioceramics*, Key Engineering Materials, vol. 206 – 213, 1591 – 1594, 2002, ISSN 1013-9826, F.I.<sub>2002</sub>= 0,497 (Seventh ECERS);
- Ris53.** E. Andronescu, E. Ștefan, **C. Ghitulică**, E. Dinu- *Hydroxyapatite synthesis*, Key Engineering Materials, vol. 206 – 213, pp. 1595 – 1598, 2002, ISSN 1013-9826, F.I.<sub>2002</sub>= 0,497 (Seventh ECERS);
- Ris54.** **C. Ghitulică**, E. Andronescu, G. Fantozzi, Y. Jorand- *Alumina Porous Ceramic Materials*, Silicates Industriels, 67 (3 – 4), 33 – 36, 2002, ISSN 0037-5225, F.I.<sub>2002</sub> = 0,128.

**Rns** - în reviste de specialitate de circulație națională recunoscute de CNCSIS

- Rns1.** R.I. Iliescu, E. Andronescu, **C.D. Ghitulică**, D. Berger, A. Ficai - *Montmorillonite-alginate nanocomposite beads as drug carrier for oral administration of carboplatin-preparation and characterization*, UPB Scientific Bulletin, Series B: Chemistry and Materials Science, 73 (3), 3-16, 2011, ISSN 1454-2331, categoria B+;
- Rns2.** R. Rogojan, E. Andronescu, **C. Ghitulică**, B.Ș. Vasile - *Synthesis and characterization of alumina nano-powder obtained by sol-gel method*, UPB Scientific Bulletin, Series B: Chemistry and Materials Science, 73 (2), 67-76, 2011, ISSN 1454-2331, categoria B+;



- Rns3.** B.S. Vasile, E. Andronescu, D. Florea, **C. Ghitulica** - *Structural Investigations of Scandia - Doped Zirconia Nanopowders Obtained by Sol-Gel Method*, U.P.B. Sci. Bull., Series B, 72 (1), 81 – 92, 2010, ISSN 1454-2331 (prezentată și la 16<sup>th</sup> Romanian International Conference on Chemistry and Chemical Engineering, September 9 – 12, 2009, Sinaia – Romania), categoria B+;
- Rns4.** A. Lungu, **C. Ghitulică**, S. Gârea, G. Voicu, H. Iovu, C. Neagu- *Structural analysis on photopolymerized commercial dental composites*, U.P.B. Sci. Bull., Series B, 70 (1),3, 2008, ISSN 1454-2331, revistă recunoscută CNCSIS categoria B+;
- Rns5.** E. Andronescu, M. Bîrsan, C. Bîrsan, **C. Ghitulică**, L. Pall, *Nanomaterials*, Annals of West University of Timisoara, 15 (2), 127-136, 2006, revistă recunoscută CNCSIS categoria B+.

## II. BREVETE DE INVENȚIE / INOVAȚII

**B1.** Fikai, E. Andronescu, **C.D. Ghitulică**, D. Fikai, G. Voicu, M.G. Albu, *Procedeu de obținere a unor materiale compozite, multifuncționale, cu potențiale aplicații în tratarea cancerului osos (Process for preparing composite multi-purpose materials with possible applicability in the treatment of bone cancer)*, Brevet nr RO127725-B1 din 30.09.2012

*Premiat in 2012 cu "Gold medal"; BRUSSELS INNOVA - The World Exhibition on Inventions, Research and New Technologies*

*Premiat in 2018 cu "Silver Medal; World Competition of Chemical Inventions IWIS2018\_15-17Oct 2018, Warsaw, Poland*

*Premiat cu "Special Prize + Gold Medal" awarded by State University of Medicine and Pharmacy "Nicolae Testemițanu", Moldova; Salonul Internațional de Invenții și Inovații "Traian VUIA", Timișoara, Romania*

*"Special Prize" awarded by Universitatea de Medicină și Farmacie "Victor Babeș" din Timișoara; Salonul Internațional de Invenții și Inovații "Traian VUIA", Timișoara, Romania*

**B2.** Voicu G, Andronescu E, **Ghitulica C D**, Badanoiu A I- *Procedeu neconvențional pentru obținerea de clinchere silicatică utilizate la realizarea de cimenturi dentare (Non-conventional process for producing silicate clinker used for carrying out dental cement)*. Brevet nr. RO129430-B1 din 29.09.2017