

LISTA DE LUCRĂRI

Prof.dr.ing. Georgeta VOICU

Reviste de specialitate de circulație internațională recunoscute, cotate ISI

1. F. Curti, I.-C. Stancu, **G. Voicu***, H. Iovu, C.-I. Dobrita, L.T. Ciocan, R. Marinescu, F. Iordache- „Development of 3D bioactive scaffolds through 3D printing using wollastonite-gelatin inks”, *Polymers*, 12 (10), art.no. 2420, DOI: 10.3390/polym12102420, 2020, ISSN 2073-4360, WOS: 000587428700001, F.I₂₀₁₉ = 3,426.
2. D. Miu, S.I. Jinga, **G. Voicu***, F. Iordache- „Characteristics of wollastonite ceramic coatings obtained by pulsed laser deposition”, *Journal of Inorganic and Organometallic Polymers and Materials*, nov., 2020, ISSN 1574-1443, WOS: 000588588200001, F.I₂₀₁₉ = 1,941. doi.org/10.1007/s10904-020-01811-3
3. A. Diacon, E. Rusen, A. Trifan, R. Somoghi, O. Tutunaru, G. Crăciun, C. Busuioc, **G. Voicu** - „Preparation of metal and metal oxide doped silica hollow spheres and the evaluation of their catalytic performance”, *Colloid and Polymer Science*, 298 (10), 1401-1410, 2020, ISSN 0303-402X, WOS: 000561723700002, F.I₂₀₁₉ = 1,536.
4. M.-G. Pârvan, **G. Voicu***, O.-C. Mocioiu, C. Hornoiu - „Cementitious composites containing barium titanate for obtaining of some smart structures”, *Revista Română de Materiale (Romanian Journal of Materials)*, 50 (3), 307-313, 2020, ISSN 1583-3186, WOS: 000573097800002, F.I₂₀₁₉ = 0,542.
5. M.-G. Pârvan, **G. Voicu***, A.-I. Bădănoiu - „Study of hydration and hardening processes of self-sensing cement based materials with carbon black content”, *Journal of Thermal Analysis and Calorimetry*, 139 (2), 807-815, 2020, ISSN 1388-6150, WOS: 000513238100005, F.I₂₀₁₉ = 2,731.
6. S. Stoleriu, C. Lungu, C.D. Ghitulica, A. Surdu, **G. Voicu***, A. Cucuruz, C.S. Turculet, L.T. Ciocan - „Influence of dopant nature on biological properties of ZnO thin-film coatings on Ti alloy substrate”, *Nanomaterials*, 10(1), 129: 1-15, 2020, <https://doi.org/10.3390/nano10010129>, EISSN 2079-4991, WOS: 000516825600129, F.I₂₀₁₉ = 4,324.
7. **G. Voicu**, D. Miu, C.D. Ghitulica, S.I. Jinga, A.I. Nicoara, C. Busuioc, A.M. Holban - „Co doped ZnO thin films deposited by spin coating as antibacterial coating for metallic implants”, *Ceramics International*, 46(3), 3904-3911, 2020, ISSN 0272-8842, WOS: :000508752000161, F.I₂₀₁₉ = 3,830.
8. M.-G. Pârvan, **G. Voicu***, A.I. Badanoiu, V.-O. Fruth- „Self-sensing piezoresistive composites based on cement incorporating low dosage of carbon black used as multifunctional construction materials”, *Revista de Chimie*, 71(5), 30-44, 2020, ISSN 0034-7752, F.I₂₀₁₇ = 1,755.
9. C. Oproiu, M.-G. Pârvan, **G. Voicu***, A.I. Badanoiu, R. Trușcă- „Influence of a chromium-rich industrial waste on the hydration and hardening processes of portland cements with slag and limestone additions”, *Revista de Chimie*, 71(2), 252-261, 2020, ISSN 0034-7752, F.I₂₀₁₇ = 1,755.
10. C.D. Ghitulica, A. Cucuruz, **G. Voicu**, A.T. Cucuruz, S. Dinescu, A. Selaru, M. Costache - „Ceramics based on calcium phosphates substituted with magnesium ions for bone regeneration”, *International Journal of Applied Ceramic Technology*, 17 (1), 342-353, 2020, DOI: 10.1111/ijac.13333, , ISSN 1546-542X, WOS: 000477171200001, F.I₂₀₁₈ = 1,074.
11. A.-I. Nicoară, A.. Bădănoiu, **G. Voicu**, C. Dinu, A. Ionescu - „Intumescent coatings based on alkali activated borosilicate inorganic polymers”, *Journal of Coatings*

- Technology and Research, 17(3), 681-692, 2020, ISSN 1547-0091, WOS: 000531468700001, F.I₂₀₁₉ = 1,815.
12. S. Stoleriu, I.N. Vlasceanu, C. Dima, A.I. Badanoiu, **G. Voicu** - „Alkali activated materials based on glass waste and slag for thermal and acoustic insulation”, *Materiales de Construccion*, 69(335), e194, 2019, ISSN 0465-2746, WOS: 000482181100005, F.I₂₀₁₈ = 1,886.
 13. A.-V.Zanfir, N. Nenu, **G. Voicu***, A.-I. Badanoiu, C.-D. Ghitulica, F. Iordache - „Modified calcium silicophosphate cements with improved properties”, *Materials Chemistry and Physics*, 238, UNSP 121965 (1-9), 2019, ISSN 0254-0584, WOS: 000490046000057, F.I₂₀₁₈ = 2,781.
 14. S.I. Jinga, A.I. Zamfirescu, **G. Voicu**, M. Enculescu, A. Evanghelidis, C. Busuioc - „PCL-ZnO/TiO₂/HAp electrospun composite fibers with applications in tissue engineering”, *Polymers*, 11 (11), art.no. 1793, DOI: 10.3390/polym11111793, 2019, ISSN 2073-4360, WOS: 000503279200066, F.I₂₀₁₉ = 3,426.
 15. C. Busuioc, **G. Voicu**, S.-I. Jinga, V. Mitran, A. Cimpean - „The influence of barium titanate on the biological properties of collagen-hydroxiapatite composite scaffolds”, *Materials Letters*, 235, 317-322, <https://doi.org/10.3390/ma12111772>, 2019, EISSN 1996-1944, WOS: 000482629500080, F.I₂₀₁₈ = 3,019.
 16. **G.Voicu**, A.C. Didilescu, A.B. Stoian, C. Dumitriu, M. Greabu, A. Mihai - „Mineralogical and microstructural characteristics of two dental pulp capping materials”, *Materials*, 12(11), 1772, <https://doi.org/10.3390/ma12111772>, 2019, EISSN 1996-1944, WOS: 000472638600046, F.I₂₀₁₈ = 2,972.
 17. A. Moroşan, D.E. Mihaiescu, D. Istrati, **G. Voicu**, M. Radu, A. Hanganu, R. Stan - „Functionalized silica shell magnetic nanoparticles for nanophase peptide synthesis applications”, *Microporous & Mesoporous Materials*, 286, 45-56, 2019, ISSN 1387-1811, WOS: 000472691400006, F.I₂₀₁₈ = 4,182.
 18. G. Stănescu, A. Bădănoiu, A.-I. Nicoară, **G. Voicu** - „Brick and glass waste valorisation in the manufacture of aerated autoclaved concrete”, *Revista de Chimie*, 70(3), 828-834, 2019, ISSN 0034-7752, WOS: 000464911600017, F.I₂₀₁₈ = 1,605.
 19. A.-I. Nicoară, A. Bădănoiu, M. Bălănoiu, A. Mathias, **G. Voicu**- „Alkali activated mortars with intumescent properties”, *Revista de Chimie*, 70(2), 431-437, 2019, ISSN 0034-7752, WOS: 000461982200014, F.I₂₀₁₈ = 1,605.
 20. A.-I. Nicoară, A.-I. Bădănoiu, **G. Voicu** - „Influence of alkali activator on the main properties of intumescent inorganic polymers based on waste glass and borax”, *Revista Română de Materiale (Romanian Journal of Materials)*, 49 (1), 23-32, 2019, ISSN 1583-3186, WOS: 000461413500003, F.I₂₀₁₈ = 0,628.
 21. R. Lisnic, C. Busuioc, **G. Voicu**, S.-I. Jinga - „Influence of gypsum, as natural rock or industrial waste, on the properties of portland cement mortars”, *Revista Română de Materiale (Romanian Journal of Materials)*, 49 (1), 102-110, 2019, ISSN 1583-3186, WOS: 000461413500012, F.I₂₀₁₈ = 0,628.
 22. C. Oproiu, M. Pârvan, **G. Voicu***, A.-I. Badanoiu - „Inertization of an industrial waste rich in chromium in composite Portland cements”, *Revista Română de Materiale (Romanian Journal of Materials)*, 48 (4), 458-466, 2018, ISSN 1583-3186, WOS: 000456244700010, F.I₂₀₁₇ = 0,661.
 23. A.C. Didilescu, C.M. Cristache, M. Andrei, **G. Voicu**, P. Perlea - „The effect of dental pulp-capping materials on hard-tissue barrier formation”, *The Journal of the American Dental Association*, 149(10), 903-917.e4, 2018, ISSN 0002-8177, WOS: 000445425400026, F.I₂₀₁₇ = 2,486, doi: 10.1016/j.adaj.2018.06.003.
 24. M. Dumitrescu, A. Badanoiu, C.D. Voinitchi, **G. Voicu** - „Assessing rheological properties of cement paste as a first step in predicting robustness of self-compacting concrete”, *Revista de Chimie*, 69(7), 1733-1739, 2018, ISSN 0034-7752, WOS: 000444595700028, F.I₂₀₁₇ = 1,412.
 25. C. Oproiu, **G. Voicu***, A.I. Nicoara, A.I. Badanoiu- „The influence of partial substitution of raw materials with heavy ash on the main properties of Portland cements”, *Revista de*

- Chimie, 69(4), 860-863, 2018, ISSN 0034-7752, WOS: 000433223000022, F.I₂₀₁₇ = 1,412.
26. C. Busuioc, C.D. Ghitulica, A. Stoica, M. Stroescu, **G. Voicu**, V. Ionita, L. Averous, S.I. Jinga - „Calcium phosphates grown on bacterial cellulose template”, *Ceramics International*, 44(8), 9433-9441, 2018, ISSN: 0272-8842, WOS: 000430522200088, F.I₂₀₁₇ = 3,057.
 27. A-V. Zanzir, **G. Voicu***, A-I. Bădănoiu, D. Gogan, O. Oprea, E. Vasile - „Synthesis and characterization of titania-silica fume composites and their influence on the strength of self-cleaning mortar”, *Composites Part B: Engineering*, 140(1May), 157-163, 2018, ISSN: 1359-8368, WOS: 000430770300018, F.I₂₀₁₇ = 4,920.
 28. J. Paceagiu, **G. Voicu** - „Performances evaluation of portland cement produced from doped clinkers”, *Environmental Engineering and Management Journal*, 16(12), 2673-2684, 2017, ISSN: 1582-9596, WOS: 000423792300003, F.I₂₀₁₇ = 1,334.
 29. **G. Voicu**, S.I. Jinga, B.G. Drosu, C. Busuioc - „Improvement of silicate cement properties with bacterial cellulose powder addition for applications in dentistry”, *Carbohydrate Polymers*, 174(15), 160-170, 2017, ISSN: 0144-8617, WOS: 000397075900019, F.I₂₀₁₆ = 4,811.
 30. C. Busuioc, **G. Voicu**, I.D. Zuzu, D. Miu, C. Sima, F. Iordache, S.I. Jinga - „Vitroceramic coatings deposited by laser ablation on Ti-Zr substrates for implantable medical applications with improved biocompatibility”, *Ceramics International*, 43(7), 5498-5504, 2017, ISSN: 0272-8842, WOS: 000397075900019, F.I₂₀₁₆ = 2,986.
 31. M.B.M. Al Tameemi, R. Stan, V. Prisacari, **G. Voicu**, M. Popa, M.C. Chifiriuc, C. Ott, G. Marton, A. Meghea - „Antimicrobial performance of nanostructured silica–titania sieves loaded with izohidrafural against microbial strains isolated from urinary tract infections”, *Comptes Rendus Chimie*, 20 (5), 475-483, 2017, ISSN 1631-0748, WOS: 000412865500003, F.I₂₀₁₆ = 1,879.
 32. T.H.A. Al Saadi, A.I. Badanoiu, A.I. Nicoara, S. Stoleriu, **G. Voicu** - „Synthesis and properties of alkali activated borosilicate inorganic polymers based on waste glass”, *Construction and Building Materials*, 136, 298-306, 2017, ISSN 0950-0618, WOS: 000395967300030, F.I₂₀₁₆ = 3,169.
 33. G.T. Tihan, V. Sereanu, A. Meghea, **G. Voicu**, M.G. Albu, V. Mitran, A. Cimpean, R.G. Zgârian - „Innovative methodology for developing a bone grafting composite biomaterial starting from the seashell of *Rapana thomasiana*”, *Comptes Rendus Chimie*, 20 (4), 440-445, 2017, ISSN 1631-0748, WOS: 000400656200014, F.I₂₀₁₆ = 1,879.
 34. Ș. Marin, M.G. Albu Kaya, **G. Voicu**, G.T. Tihan - „PH and temperature sensitive composite hydrogels for burn treatment”, *Revista Română de Materiale (Romanian Journal of Materials)*, 47 (1), 78-83, 2017, ISSN 1583-3186, WOS: 000396979900010, F.I₂₀₁₆ = 0,56.
 35. R.G. Zgârian, F. Iacob, D.A. Kaya, I.Rău, **G. Voicu**, G.T. Tihan - „Effect of different essential oils on human dentine structure”, *Farmacia*, 65 (2), 247-251, 2017, ISSN 0014-8237, WOS: 000400126800014, F.I₂₀₁₆ = 1,348.
 36. A. Gionea, E. Andronescu, C. Bleotu, **G. Voicu** - „The influence of yttria and thermal history on dental zirconia ceramics”, *Revista Română de Materiale (Romanian Journal of Materials)*, 46 (1), 17-24, 2016, ISSN 1583-3186, WOS: 000372938400003, F.I₂₀₁₅ = 0,612.
 37. I.C. Popovici, A.I. Badanoiu, **G. Voicu**, I. Omer - „Hazardous waste chemical stabilized by tricalcium silicate: kinetic and isotherm studies”, *Fresenius Environmental Bulletin*, 25 (4), 1153-1166, 2016, ISSN: 1018-4619, WOS: 000375826700020, F.I₂₀₁₅ = 0,372.
 38. D.E. Mihaiescu, D. Guovan, V. Traistaru, P. Ionescu, A. Fudulu, **G. Voicu**, A. Ficai, R. Trusca, D. Istrati, A. Marton, S.A. Buteica, B. Vasile, E. Andronescu - „Synthesis of silver secondary shell magnetic nanoparticles”, *Revue Roumaine de Chimie*, 61 (2), 105-110, 2016, ISSN: 0035-3930, WOS: 000378984200005, F.I₂₀₁₅ = 0,25.
 39. C. Busuioc, M. Stroescu, A. Stoica-Guzun, **G. Voicu**, S-I. Jinga - „Fabrication of 3D calcium phosphates based scaffolds using bacterial cellulose as template”, *Ceramics*

- International, 42(14), 15449-15458, 2016, ISSN: 0272-8842, WOS: 000382269800041, F.I₂₀₁₅ = 2,758.
40. **G. Voicu**, V-L. Ene, D.-F. Sava, V.-A. Surdu, C. Busuioc - „Sol-gel derived vitroc ceramic materials for biomedical applications”, Journal of Non-Crystalline Solids, 449 (1 October), 75-82, 2016, ISSN 0022-3093, WOS: 000383298000011, F.I₂₀₁₅ = 1,825.
 41. I. Mohanu, D. Mohanu, I. Gomoiu, O.-H. Barbu, R.-M. Fechet, N. Vlad, **G. Voicu**, R. Truşcă - „Study of the frescoes in Ioneşti Govorii wooden church (Romania) using multi-technique investigations”, Microchemical Journal, 126 (50), 332-340, 2016, ISSN 0026-265X, WOS: 000373647500041, F.I₂₀₁₅ = 2,893.
 42. C.E.Ban, A. Stefan, I. Dinca, G. Pelin, A. Ficai, E. Andronescu, O. Oprea, **G. Voicu** - „Multi-walled carbon nanotubes effect in polypropylene nanocomposites”, Materiali in Tehnologije, 1 (50), 11-16, 2016, ISSN 1580-2949, WOS: 000370993000003, F.I₂₀₁₅ = 0,439.
 43. **G. Voicu**, A.M. Popa, A.I. Badanoiu, F. Iordache - „Influence of thermal treatment conditions on the properties of dental silicate cements”, Molecules (Special Issue Pharmaceutical Nanotechnology: Novel Approaches), 21(2), 233:1-15, 2016, EISSN: 1420-3049, WOS:000371895900075, F.I₂₀₁₅ = 2,465.
 44. A.V. Zanfir, **G. Voicu**^{*}, C. Busuioc, S.I. Jinga, M.G. Albu, F. Iordache - „New Coll-HA/BT composite materials for hard tissue engineering”, Materials Science and Engineering: C, 62(1), 795-805, 2016, ISSN: 0928-4931, WOS: 000372759100096, F.I₂₀₁₅ = 3,42.
 45. D. Rădulescu, **G. Voicu**, A.E. Oprea, E. Andronescu, V. Grumezescu, A.M. Holban, B.S. Vasile, A.V. Surdu, A.M. Grumezescu, G. Socol, L. Mogoantă, G.D. Mogoşanu, P.C. Balaure, R. Rădulescu, M.C. Chifiriuc - „Mesoporous silica coatings for cephalosporin active release at the bone-implant interface”, Applied Surface Science, 374, 165-171, 2016, ISSN 0169-4332, WOS: 000375937300027, F.I₂₀₁₅ = 3,15.
 46. **G. Voicu**, D. Miu, I. Dogaru, S.I. Jinga, C. Busuioc - „Vitroc ceramic interface deposited on titanium substrate by pulsed laser deposition method”, International Journal of Pharmaceutics, 510 (2), 449-456, 2016, ISSN 0378-5173, WOS: 000380754500006, F.I₂₀₁₅ = 3,994.
 47. A. Gionea, E. Andronescu, **G. Voicu**, C. Bleotu, V.-A. Surdu - „Influence of hot isostatic pressing on ZrO₂-CaO dental ceramics properties”, International Journal of Pharmaceutics, 510 (2), 439-448, 2016, ISSN 0378-5173, WOS: 000380754500005, F.I₂₀₁₅ = 3,994.
 48. A. Gionea, E. Andronescu, V.-A. Surdu, **G. Voicu**, G. Pelin - „Influence of sintering conditions on properties of dental zirconia ceramics”, Revista de Chimie, 67(8), 1547-1550, 2016, ISSN 0034-7752, WOS:000384514200029, F.I₂₀₁₅ = 0,956.
 49. P.C. Balaure, R.A. Popa, A.M. Grumezescu, **G. Voicu**, M. Rădulescu, L. Mogoantă, T.-A. Bălşeanu, G.D. Mogoşanu, M.C. Chifiriuc, C. Bleotu, A.M. Holban, A. Bolocan - „Biocompatible hybrid silica nanobiocomposites for the efficient delivery of anti-staphylococcal drugs”, International Journal of Pharmaceutics, 510 (2), 532-542, 2016, ISSN 0378-5173, WOS: 000380754500016, F.I₂₀₁₅ = 3,994.
 50. A. Oprea Stoica, E. Andronescu, C.D. Ghitulica, **G. Voicu**^{*}, A.M. Grumezescu, M. Popa, M.C. Chifiriuc - „Preparation and characterization of undoped and cobalt doped ZnO for antimicrobial use”, International Journal of Pharmaceutics, 510 (2), 430-438, 2016, ISSN 0378-5173, WOS: 000380754500004, F.I₂₀₁₅ = 3,994.
 51. M. Sonmez, C. Verisan, **G. Voicu**, D. Ficai, A. Ficai, A. E. Oprea, M. Vlad, E. Andronescu - „Extended release of vitamins from magnetite loaded polyanionic polymeric beads”, International Journal of Pharmaceutics, 510 (2), 457-464, 2016, ISSN 0378-5173, WOS: 000380754500007, F.I₂₀₁₅ = 3,994.
 52. **G. Voicu**, R.-E. Geanaliu-Nicolae, A.-A. Pîrvan, E. Andronescu, F. Iordache - „Synthesis, characterization and bioevaluation of drug-collagen hybrid materials for biomedical applications”, International Journal of Pharmaceutics, 510 (2), 474-484, 2016, ISSN 0378-5173, WOS: 000380754500009, F.I₂₀₁₅ = 3,994.

53. A.V. Zanzir, **G. Voicu**, S.I. Jinga, E. Vasile, V. Ionita - „Low-temperature synthesis of BaTiO₃ nanopowders”, *Ceramics International*, 42(1-Part B), 1672-1678, 2016, ISSN: 0272-8842, WOS: 000365367000085, F.I₂₀₁₅ = 2,758.
54. C. L. Popa, C. S. Ciobanu, **G. Voicu**, E. Vasile, M. C. Chifiriuc, S. L. Iconaru, D. Predoi - „Influence of thermal treatment on the antimicrobial activity of silver-doped biological apatite”, *Nanoscale Research Letters*, 10:502, 1-10, 2015, ISSN: 1931-7573, WOS:000367476300007, F.I₂₀₁₅ = 2,584.
55. D. Romonti, Covaciu, **G. Voicu**, M. Prodana - „Electrochemical behavior of coated and uncoated nonprecious CoCr and NiCr alloys in artificial and natural saliva”, *International Journal of Electrochemical Science*, 10 (9), 6935-6945, 2015, ISSN: 1452-3981, WOS:000365101700006, F.I₂₀₁₅ = 1,692.
56. A. Bolocan, D.E. Mihaescu, E. Andronescu, **G. Voicu**, A.M. Grumezescu, A. Ficai, B.Ş. Vasile, C. Bleotu, M.C. Chifiriuc, C.S. Pop - „Biocompatible hydrodispersible magnetite nanoparticles used as antibiotic drug carriers”, *Romanian Journal of Morphology and Embryology*, 56 (2), 365-370, 2015, ISSN: 1220-0522, WOS: 000358559400004, F.I₂₀₁₃ = 0,723.
57. C.E. Pelin, A. Stefan, I. Dinc, A. Ficai, G. Pelin, E. Andronescu, D. Constantinescu, **G. Voicu** - „Polyamide 6/carbon fiber laminated composites”, *Journal of Optoelectronics and Advanced Materials*, 17(5-6), 750-756, 2015, ISSN 1454-4164, WOS:000357766600037, F.I₂₀₁₄ = 0,563.
58. C. Nitipir, M.G. Albu, **G. Voicu**, A. Ficai, M.A. Barbu, U.G. Popa, D. Mirea, S. Lazar, C. Levai, M.V. Ghica - „Collagen - Vinblastine delivery systems as a new treatment for Kaposi's sarcoma”, *Revista de Chimie*, 66(8), 1169-1172, 2015, ISSN 0034-7752, WOS:000361124600019, F.I₂₀₁₃ = 0,677.
59. L.C. Rusu, I.A. Nedelcu, M.G. Albu, M. Sonmez, **G. Voicu**, M. Radulescu, D. Ficai, A. Ficai, M.L. Negrutiu, C. Sinescu - „Tetracycline loaded collagen/hydroxyapatite composite materials for biomedical applications”, *Journal of Nanomaterials*, 2015, Article ID 361969, 2015 (<http://dx.doi.org/10.1155/2015/361969>), ISSN: 1687-4110, WOS: 000364130600001, F.I₂₀₁₄ = 1,644.
60. C.G. Oproiu, **G. Voicu*** - „Effects of fuel type used for clinker burning on their characteristics”, *Revista Română de Materiale (Romanian Journal of Materials)*, 45 (2), 133-137, 2015, ISSN 1583-3186, WOS: 000356637100004, F.I₂₀₁₄ = 0,538.
61. A.I. Badanoiu, E. Iordache, R. Ionescu, **G. Voicu**, E. Matei - „Effect of composition and curing regime on some properties of geopolymers based on cathode ray tubes glass waste and fly ash”, *Revista Română de Materiale (Romanian Journal of Materials)*, 45 (1), 3-13, 2015, ISSN 1583-3186, WOS: 000352755800001, F.I₂₀₁₄ = 0,538.
62. M. Sönmez, M. Georgescu, M. Vâlsan, M. Radulescu, D. Ficai, **G. Voicu**, A. Ficai, L. Alexandrescu - „Design and characterization of polypropylene matrix/glass fibers composite materials”, *Journal of Applied Polymer Science*, 132 (26), no. 42163, 2015, ISSN 0021-8995, WOS: 000352656100023, F.I₂₀₁₄ = 1,64.
63. T.H.A. Al Saadi, A.I. Badanoiu, S. Stoleriu, **G. Voicu** - „Effect of alkaline activator on the main properties of geopolymers based on cullet glass and red mud”, *Revista Română de Materiale (Romanian Journal of Materials)*, 45 (2), 138-146, 2015, ISSN 1583-3186, WOS: 000356637100005, F.I₂₀₁₄ = 0,538.
64. A.I. Badanoiu, T.H.A. Al Saadi, **G. Voicu*** - „Synthesis and properties of new materials produced by alkaline activation of glass cullet and red mud”, *International Journal of Mineral Processing*, 135(feb2015), 1-10, 2015, ISSN 0301-7516, WOS: 000350919300001, F.I₂₀₁₄ = 1,310.
65. **G. Voicu**, I. Dogaru, D. Melita, Meştercă R., Spirescu V., Stan E., Tote E., Mogoantă L., Mogoşanu G.D., Grumezescu A.M., Truşcă, R., Vasile, E., Iordache, F., Chifiriuc, M.-C., Holban A.M.- „Nanostructured mesoporous silica: new perspectives for fighting antimicrobial resistance”, *Journal of Nanoparticle Research*, 17(5), 201:1-13, 2015, ISSN 1388-0764, WOS: 000355689300001, F.I₂₀₁₄ = 2,184.
66. M-B. M. Al Tameemi, D. Mihaescu, R. Stan, A. Meghea, **G. Voicu**, B.S. Vasile, V. Traistaru, D. Istrati - „Novel nanostructured molecular sieves of silica with included

- titanium dioxide: Preparation and characteristics”, Digest Journal of Nanomaterials and Biostructures, 10 (4), 1129-1235, 2015, ISSN 1842-3582, WOS:000366264800012, F.I₂₀₁₅ = 0,756.
67. A.I. Badanoiu, T.H.A. Al Saadi, S. Stoleriu, G. Voicu - „Preparation and characterization of foamed geopolymers from waste glass and red mud”, Construction and Building Materials, 84, 284-293, 2015, ISSN 0950-0618, WOS: 000354001600032, F.I₂₀₁₄ = 2,296.
68. M. Dăncilă, **G. Voicu**, E. Vasile - „Influence of added graphite on ZnO sorbents for gas desulfurization”, Revista de Chimie, 65(12), 1521-1524, 2014, ISSN 0034-7752, WOS: 000345946400026, F.I₂₀₁₃ = 0,677.
69. A.-M. Ungureanu, O. Oprea, B.S. Vasile, C. Andronescu, **G. Voicu**, I. Jitaru - „Temperature effect over structure and photochemical properties of nanostructured SnO₂ powders”, Central European Journal of Chemistry, 12 (9), 909-917, 2014, ISSN 1895-1066, WOS: 00033552800003, F.I₂₀₁₃ = 1,329.
70. S.A. Garea, A.I. Mihai, E. Vasile, **G. Voicu** - „Synthesis and characterization of porous clay heterostructures”, Revista de Chimie, 65(6), 649-656, 2014, ISSN 0034-7752, WOS: 000339140400006, F.I₂₀₁₃ = 0,677.
71. M.Sonmez, D.Ficai, A. Ficai, L. Alexandrescu, **G. Voicu**, E. Andronescu - „Functionalization of glass fibers for obtaining polypropylene based composite materials (Funcționalizarea fibrelor de sticlă pentru obținerea de compozite pe bază de polipropilenă)”, Revista Română de Materiale (Romanian Journal of Materials), 44 (1), 88-94, 2014, ISSN 1583-3186, WOS: 000335276800012, F.I₂₀₁₃ = 0,538.
72. M. Vlad, E. Andronescu, A.M. Grumezescu, A. Ficai, **G. Voicu**, C. Bleotu, M.C. Chifiriuc- „Carboxymethyl-cellulose/Fe₃O₄ nanostructures for antimicrobial substances delivery”, Bio-Medical Materials and Engineering, 24 (3), 1639-1646, 2014, ISSN 0959-2989, WOS: 000336408500010, F.I₂₀₁₃ = 0,847.
73. A. Spoiala, M.G. Albu, A. Ficai, E. Andronescu, **G. Voicu**, C. Ungureanu - „The SiO₂/ZnO composite materials for cosmetic creams”, Digest Journal of Nanomaterials and Biostructures, 9 (4), 1729-1737, 2014, ISSN 1842-3582, WOS:000346138800045, F.I₂₀₁₅ = 0,756.
74. R.C. Voinițchi, V. Crăciun, C.D. Voinițchi, A. Bădănoiu, **G. Voicu** - „The assessment of efficiency of thermo-mechanical treatment applied on recycled concrete aggregate (Evaluarea eficienței tratamentului termomecanic aplicat pentru îmbunătățirea calității agregatelor reciclate din beton)”, Revista Română de Materiale (Romanian Journal of Materials), 44 (3), 207-212, 2014, ISSN 1583-3186, WOS: 000342262200001, F.I₂₀₁₃ = 0,538.
75. D.C. Romoņi, **G. Voicu**, D. Ioniță, I. Demetrescu- „About stability of electrodeposited fluoridated phosphate masses on CoCrMo alloys (Stabilitatea maselor fosfatice fluorurate pe aliaje de CoCrMo)”, Revista Română de Materiale (Romanian Journal of Materials), 44 (3), 283-291, 2014, ISSN 1583-3186, WOS: 000342262200009, F.I₂₀₁₃ = 0,538.
76. **G. Voicu**, G.A Adrian, M. Badea, E. Bordei, G. Crantea, I.G. Raluca, A Grecu, D.A-M. Jercan, C.N. Bogdan, C.V. Greta, K. Tchinda, A. Holban, C. Bleotu, A.M. Grumezescu- „Silica network improve the effect of fludarabine and paclitaxel on HCT8 cell line”, Romanian Journal of Morphology and Embryology, 55 (2 Suppl.), 545-551, 2014, ISSN: 1220-0522, WOS: 000342868500006, F.I₂₀₁₃ = 0,723.
77. **G. Voicu**, L.E. Crica, O. Fufa, L.I. Moraru, R.C. Popescu, G. Purcel, M.C. Stoilescu, A.M. Grumezescu, C. Bleotu, A.M. Holban, E. Andronescu- „Magnetite nanostructures functionalized with cytostatic drugs exhibit great anti-tumoral properties without application of high amplitude alternating magnetic fields”, Romanian Journal of Morphology and Embryology, 55 (2), 357–362, 2014, ISSN: 1220-0522, WOS: 000338329700016, F.I₂₀₁₃ = 0,723.
78. A. Stoica-Guzun, M. Stroescu, S.I. Jinga, **G. Voicu**, A.M. Grumezescu, A.M. Holban - „Plackett–Burman experimental design for bacterial cellulose–silica composites

- synthesis”, *Materials Science and Engineering: C*, 42, 280–288, 2014, ISSN: 0928-4931, WOS: 000340687400037, F.I₂₀₁₃ = 2,736.
79. S.I. Jinga, **G. Voicu***, A. Stoica-Guzun, M. Stroescu, A.M. Grumezescu, C. Bleotu - „Biocellulose nanowhiskers - cement composites for endodontic use”, *Digest Journal of Nanomaterials and Biostructures*, 9 (2), 543-550, 2014, ISSN 1842-3582, WOS: 000339050700012, F.I₂₀₁₃ = 1,123.
 80. B.S. Vasile, O. Oprea, **G. Voicu**, A. Ficai, E. Andronescu, A. Teodorescu, A. Holban - „Synthesis and characterization of a novel controlled release zinc oxide/gentamicin–chitosan composite with potential applications in wounds care”, *International Journal of Pharmaceutics*, 463 (2), 161-169, 2014, ISSN 0378-5173, WOS: 000331188000007, F.I₂₀₁₃ = 3,785.
 81. R. I. Iliescu, E. Andronescu, C. D. Ghitulica, **G. Voicu**, A. Ficai, M. Hoteteu - „Montmorillonite–alginate nanocomposite as a drug delivery system – incorporation and in vitro release of irinotecan”, *International Journal of Pharmaceutics*, 463 (2), 184-192, 2014, ISSN 0378-5173, WOS: 000331188000010, F.I₂₀₁₃ = 3,785.
 82. **G. Voicu**, S.I. Jinga, R. Truşcă, F. Iordache - „Synthesis, characterization and bioevaluation of bioactive composites scaffolds based on collagen and glass ceramic”, *Digest Journal of Nanomaterials and Biostructures*, 9 (1), 99-108, 2014, ISSN 1842-3582, WOS: 000332760700012, F.I₂₀₁₃ = 1,123.
 83. A.M. Grumezescu, C. D. Ghitulica, **G. Voicu**, K.-S. Huang, C.-H. Yang, A. Ficai, 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*, 463 (2), 170-176, 2014, ISSN 0378-5173, WOS: 000331188000008, F.I₂₀₁₃ = 3,785.
 84. **G. Voicu**, O. Oprea, B. S. Vasile, E. Andronescu - „Antibacterial activity of zinc oxide – gentamicin hybrid material”, *Digest Journal of Nanomaterials and Biostructures*, 8 (3), 1191-1203, 2013, ISSN 1842-3582, WOS: 000327816300027, F.I₂₀₁₃ = 1,123.
 85. A.M. Grumezescu, E. Andronescu, A. M. Holban, A. Ficai, D. Ficai, **G. Voicu**, V. Grumezescu, P. C. Balaure, C. M. Chifiriuc- „Water dispersible cross-linked magnetic chitosan beads for increasing the antimicrobial efficiency of aminoglycoside antibiotics”, *International Journal of Pharmaceutics*, 454 (1), 233-240, 2013, ISSN 0378-5173, WOS: 000323854600028, F.I₂₀₁₃ = 3,785.
 86. A.-M. Ungureanu, C. Andronescu, **G. Voicu**, A. Scoban, O. Oprea, N. Stanica, I. Jitaru - „Structural characterisation and luminescence properties of paramagnetic Mn doped SnO₂ nanopowders obtained via simple buthanol assisted sol-gel synthesis”, *Digest Journal of Nanomaterials and Biostructures*, 8 (3), 1169-1178, 2013, ISSN 1842-3582, WOS: 000327816300025, F.I₂₀₁₃ = 1,123.
 87. S.I. Jinga, **G. Voicu***, I. Vasile, A. I. Bădănoiu - „Bioactive glass-ceramic in the CaO-SiO₂-P₂O₅-CaF₂-MgO system obtained by sol-gel method”, *Revista Română de Materiale (Romanian Journal of Materials)*, 43 (4), 396-401, 2013, ISSN 1583-3186, WOS: 000328923700005, F.I₂₀₁₃ = 0,538.
 88. A. I. Bădănoiu, F. Mustăţea, **G. Voicu** - „Influence of fine fraction of thermally treated concrete waste on the hydration and hardening processes of portland cement”, *Revista de Chimie*, 64 (9), 1015-1020, 2013, ISSN 0034-7752, WOS: 000326855900019, F.I₂₀₁₃ = 0,677.
 89. O. Oprea, C. D. Ghiţulică, **G. Voicu**, B. Ş. Vasile, A. Oprea - „Synthesis and photocatalytic properties of Fe(III)-doped TiO₂ prepared by sol-gel method”, *Revista Română de Materiale (Romanian Journal of Materials)*, 43 (4), 408-416, 2013, ISSN 1583-3186, WOS: 000328923700007, F.I₂₀₁₃ = 0,538.
 90. **G. Voicu**, R. E. Geanaliu, C.D. Ghiţulică, A. Ficai, 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, WOS: 000324816200022, F.I₂₀₁₃ = 1,329.

91. C. Dumitriu, M. Popescu, **G. Voicu**, I. Demetrescu- „Influence of anodizing potential on titanium dioxide nanotubes morphology”, *Revista de Chimie*, 64(6), 599-602, 2013, ISSN 0034-7752, WOS: 000321025000008, F.I₂₀₁₃ = 0,677.
92. V. Grumezescu, C. M. Chifiriuc, A. M. Holban, P. Stoica, A. M. Grumezescu, **G. Voicu**, G. Socol, K. S. Huang, C. Bleotu, R. Radulescu - „Antimicrobial and biocompatibility assay of newly fabricated materials based copper or zinc alginate and SiO₂ network”, *Digest Journal of Nanomaterials and Biostructures*, 8(2), 869-876, 2013, ISSN 1842-3582, WOS: 000322737500040, F.I₂₀₁₃ = 1,123.
93. A. M. Grumezescu, E. Andronescu, A. Ficai, **G. Voicu**, O. Cocoş, M.C. Chifiriuc - „Eugenia Caryophyllata essential oil-SiO₂ biohybrid structure for the potentiation of antibiotics' activity”, *Revista Română de Materiale (Romanian Journal of Materials)*, 43 (2), 160-166, 2013, ISSN 1583-3186, WOS: 000320638300005, F.I₂₀₁₃ = 0,538.
94. **G. Voicu**, A. I. Bădănoiu, E. Andronescu, C.M. Chifiriuc - „Synthesis, characterization and bioevaluation of partially stabilized cements for medical applications”, *Central European Journal of Chemistry*, 11 (10), 1657-1667, 2013, ISSN 1895-1066, WOS: 000322010400009, F.I₂₀₁₃ = 1,329.
95. O. Oprea, O.R. Vasile, **G. Voicu**, E. Andronescu - „The influence of the thermal treatment on luminescence properties of ZnO”, *Digest Journal of Nanomaterials and Biostructures*, 8 (2), 747-756, 2013, ISSN 1842-3582, WOS: 000322737500028, F.I₂₀₁₃ = 1,123.
96. **G. Voicu**, O.Oprea, B.S. Vasile, E. Andronescu - „Photoluminescence and photocatalytic activity of Mn-doped ZnO nanoparticles”, *Digest Journal of Nanomaterials and Biostructures*, 8 (2), 667-675, 2013, ISSN 1842-3582, WOS: 000322737500019, F.I₂₀₁₃ = 1,123.
97. E. Dinu, C. Ghiţulică, **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, WOS: 000316506900009, F.I₂₀₁₃ = 0,538.
98. E. Dinu, M. Bîrsan, C. Ghiţulică, **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, WOS: 000316506900008, F.I₂₀₁₃ = 0,538.
99. D. E. Mihaiescu, A. M. Grumezescu, E. Andronescu, **G. Voicu**, A. Ficai, O. R. Vasile, C. Bleotu, C. Saviuc - „Prosthetic devices with functionalized antibiofilm surface based NanoAg@C18”, *Current Organic Chemistry*, 17(2), 105-112, 2013, ISSN 1385-2728, WOS: 000317273500004, F.I₂₀₁₃ = 2,537.
100. **G. Voicu**, E. Andronescu, A. M. Grumezescu, K.-S. Huang, A. Ficai, C.-H. Yang, C. Bleotu, M. C. Chifiriuc - „Antitumor activity of magnetite nanoparticles: Influence of hydrocarbonated chain of saturated aliphatic monocarboxylic acids”, *Current Organic Chemistry*, 17 (8), 831-840, 2013, ISSN 1385-2728, WOS: 000317653500007, F.I₂₀₁₃ = 2,537.
101. **G. Voicu**, V. Grumezescu, E. Andronescu, A.M. Grumezescu, A. Ficai, D. Ficai, C.D. Ghiţulică, I. Gheorghe, M. Carmen 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(1-2), 63-69, 2013, ISSN 0378-5173, WOS: 000316736500008, F.I₂₀₁₃ = 3,785.
102. A.I. Bădănoiu, A-M. Albu, **G. Voicu***, C.A. Nicolae - „Influence of dicyclopentadiene co-polymers on the hardening processes and properties of Portland cement composites”, *Journal of Inorganic and Organometallic Polymers and Materials*, 23(3), 499-509, 2013, ISSN 1574-1443, WOS: 000317691200003, F.I₂₀₁₃ = 1,077.
103. D. Ficai, A. Ficai, R. Trusca, B. Vasile, **G. Voicu**, C. Guran, E. Andronescu - „Synthesis and characterization of magnetite-polysulfone micro- and nanobeads with improved chemical stability in acidic media”, *Current Nanoscience*, 9(2), 271 – 277, 2013, WOS: 000317837100016, ISSN: 1573-4137, F.I₂₀₁₃ = 1,422.

104. D. Ficai, E. Andronescu, A. Ficai, **G. Voicu**, B. Vasile, V. Ionita, C. Guran - „Synthesis And Characterization Of Mesoporous Magnetite Based Nanoparticles”, *Current Nanoscience*, 8(6), 875 – 879, 2012, ISSN: 1573-4137, WOS: 000311285100010, F.I₂₀₁₂ = 1,356.
105. R. Rogojan, E. Andronescu, **G. Voicu**, B.S. Vasile - „Nanoalumina obtained by pyrosol method”, *Materials Science-Poland*, 30(4), 368-374, 2012, ISSN 2083-1331, WOS: 000312407100011, F.I₂₀₁₂ = 0,366.
106. O. Oprea, O.R. Vasile, **G. Voicu**, L. Craciun, E. Andronescu - „Photoluminescence, magnetic properties and photocatalytic activity of Gd³⁺ doped ZnO nanoparticles”, *Digest Journal of Nanomaterials and Biostructures*, 7 (4), 1757-1766, 2012, ISSN 1842-3582, WOS: 000312710300042, F.I₂₀₁₂ = 1,092.
107. **G. Voicu**, A.I. Bădănoiu, E. Andronescu, C. Bleotu - „Binding properties and biocompatibility of accelerated Portland cement for endodontic use”, *Revista de Chimie*, 63(10), 1031-1034, 2012, ISSN 0034-7752, WOS: 000311927200012, F.I₂₀₁₂ = 0,538.
108. **G. Voicu**, A.I. Bădănoiu, C.D. Ghițulică, 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, WOS: 000312710300028, F.I₂₀₁₂ = 1,092.
109. **G. Voicu**, C.D. Ghițulică, E. Andronescu - „Modified Pechini synthesis of tricalcium aluminate powder”, *Materials Characterization*, 73, 89-95, 2012, ISSN 1044-5803, WOS: 000310423400012, F.I₂₀₁₂ = 1,880.
110. C. Limban, A.M. Grumezescu, C. Saviuc, **G. Voicu**, G. Predan, R. Sakizlian, M.C. Chifiriuc - „Optimized anti-pathogenic agents based on core/shell nanostructures and 2-((4-ethylphenoxy)ethyl)-N-(substitutedphenylcarbamothioyl)-benzamides”, *International Journal of Molecular Sciences*, 13 (10), 12584-12597, 2012, ISSN 1661-6596, WOS: 000310677800027, F.I₂₀₁₂ = 2,464.
111. V. Dima, M. Eftimie, A. Volceanov, **G. Voicu**, R. Dincă- „Posibilități de valorificare a unor deșeuri de sticlă provenite de la tuburile cinescoape” („Possibilities for recovery of some glass waste from cathode ray tubes”), *Revista Română de Materiale (Romanian Journal of Materials)*, 42 (1), 76-81, 2012, ISSN 1583-3186, WOS: 000302047100010, F.I₂₀₁₂ = 0,610.
112. A. Ficai, E. Andronescu, D. Ficai, M. Sonmez, M. G. Albu, **G. Voicu**- „Mimicking the morphology of long bone”, *Central European Journal of Chemistry*, 10 (6), 1949-1953, 2012, ISSN 1895-1066, WOS: 000308950500026, F.I₂₀₁₂ = 1,167.
113. A. Ilie, E. Andronescu, D. Ficai, **G. Voicu**, M. Ficai, M. Maganu, A. Ficai- „New approaches in layer by layer synthesis of collagen/hydroxyapatite composite materials”, *Central European Journal of Chemistry*, 9 (2), 283-289, 2011, ISSN 1895-1066, WOS: 000291252700012, F.I₂₀₁₁ = 1,073.
114. A. Ficai, D. Ficai, E. Andronescu, M. Maganu, **G. Voicu**, M. Sonmez - „Biomimetic mineralization of the human nasal septum cartilage.”, *Digest Journal of Nanomaterials and Biostructures*, 6 (3), 1377-1383, 2011, ISSN 1842-3582, WOS: 000297986100056, F.I₂₀₁₁ = 1,2.
115. O. Oprea, E. Andronescu, B. S. Vasile, **G. Voicu**, C. Covaliu - „Synthesis and characterization of ZnO nanopowder by non-basic route”, *Digest Journal of Nanomaterials and Biostructures*, 6 (3), 1393-1401, 2011, ISSN 1842-3582, WOS: 000297986100057, F.I₂₀₁₁ = 1,2.
116. E. Dinu, C. D. Ghițulică, **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, WOS: 000295564200009, F.I₂₀₁₁ = 0,378.
117. **G. Voicu**, C. D. Ghițulică, 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, WOS: 000295564200006, F.I₂₀₁₁ = 0,378.

118. M. Georgescu, I. Cătănescu, **G. Voicu** - „Microstructure of some fly ash based geopolymer binders”, *Revista Română de Materiale (Romanian Journal of Materials)*, 41 (3), 183-191, 2011, ISSN 1583-3186, WOS: 000295564200001, F.I₂₀₁₁ = 0,378.
119. R. Stan, C. Ott, **G. Voicu**, A. Lungu, S.I. Roșca - „Cr- doped nanostructured silica obtained via structure directing agents and chiral 1-phenylethylaminetricarbonyl-chromium”, *Revista Română de Materiale (Romanian Journal of Materials)*, 41 (3), 234-239, 2011, ISSN 1583-3186, WOS: 000295564200007, F.I₂₀₁₁ = 0,378.
120. M. Georgescu, I. Cătănescu, **G. Voicu** - „Geopolymer binders based on fly ash influences of some compositional characteristics”, *Revista de Chimie*, 62(9), 872-877, 2011, ISSN 0034-7752, WOS: 000295204000005, F.I₂₀₁₁ = 0,599.
121. A. Bădănoiu, **G. Voicu**- - „Influence of raw materials characteristics and processing parameters on the strength of geopolymer cements based on fly ash”, *Environmental Engineering and Management Journal*, 10(5), 673-681, 2011, ISSN 1582-9596, WOS: 000292409500011, F.I₂₀₁₁ = 1,004.
122. R. I. Iliescu, E. Andronescu, **G. Voicu**, A. Ficai, C. I. Covaliu - „Hybrid materials based on montmorillonite and citostatic drugs: Preparation and characterization”, *Applied Clay Science*, 52(1-2), 62-68, 2011, ISSN 0169-1317, WOS: 000289610000009, F.I₂₀₁₁ = 2,474.
123. A. Bădănoiu, J. Paceagiu, **G. Voicu**- „Hydration and hardening processes of Portland cements obtained from clinkers mineralized with fluoride and oxides”, *Journal of Thermal Analysis and Calorimetry*, 103(3), 879-888, 2011, ISSN 1388-6150, WOS: 000287712400014, F.I₂₀₁₁ = 1,604.
124. E. Andronescu, **G. Voicu**, M. Ficai, I.A. Mohora, R. Trusca, A. Ficai- „Collagen/hydroxyapatite composite materials with desired ceramic properties”, *Journal of Electron Microscopy*, 60(3), 253-259, 2011, ISSN 0022-0744, WOS: 000291489600007, F.I₂₀₁₁ = 1,310.
125. F. Constantin, S.A. Garea, **G. Voicu**, H. Iovu- „The influence of the organic substituents from the polyhedral oligomeric silsesquioxane (POSS) cage on the epoxy-POSS hybrid materials properties”, *High Performance Polymers*, 22(8), 905-915, 2010, ISSN 0954-0083, WOS: 000288595200002, F.I₂₀₁₀ = 1,318.
126. M. Georgescu, N. Saca, **G. Voicu** - „Comportarea unor lianți cu conținut de filer calcaros în soluție de MgCl₂ (The behaviour of some blended cements containing limestone filer exposed into MgCl₂ solution)”, *Revista Română de Materiale (Romanian Journal of Materials)*, 40 (4), 271-285, 2010, ISSN 1583-3186, WOS: 000286039700001, F.I₂₀₁₀ = 0,400.
127. A. Bădănoiu, **G. Voicu** - „Rezistența la îngheț-dezghet a unor mortare pe bază de ciment Portland cu zgură, tuf vulcanic și filer calcaros (Freeze-thaw resistance of mortars based on portland cement with slag, volcanic tuff and limestone filler additions)”, *Revista Română de Materiale (Romanian Journal of Materials)*, 40 (4), 286-298, 2010, ISSN 1583-3186, WOS: 000286039700002, F.I₂₀₁₀ = 0,400.
128. M. Ficai, E. Andronescu, **G. Voicu**, D. Ficai, M.G. Albu, A. Ficai - „Compozite colagen/cochilie de moluscă potențiale biomateriale pentru substituția osoasa (Mollusc shell/colagen composite as potential biomaterial for bone substitutes)”, *Revista Română de Materiale (Romanian Journal of Materials)*, 40 (4), 359-364, 2010, ISSN 1583-3186, WOS: 000286039700010, F.I₂₀₁₀ = 0,400.
129. M. Ficai, E. Andronescu, D. Ficai, **G. Voicu**, A. Ficai- „Synthesis and characterization of COLL–PVA/HA hybrid materials with stratified morphology”, *Colloids and Surfaces B: Biointerfaces*, 81(2), 614-619, 2010, ISSN 0927-7765, WOS: 000282920100033, F.I₂₀₀₉ = 2,780.
130. S. A. Gărea, H. Iovu, **G. Voicu**- „The influence of some new montmorillonite modifier agents on the epoxy-montmorillonite nanocomposites structure”, *Applied Clay Science*, 50(4), 469-475, 2010, ISSN 0169-1317, WOS: 000285856400004, F.I₂₀₁₀ = 2,303.
131. A. Puri, **G. Voicu**, A. Badanoiu - „Expansive binders in the Portland cement-calcium aluminat cement-calcium sulfate system”, *Revista de Chimie*, 61(8), 740-744, 2010, ISSN 0034-7752, WOS: 000282497600007, F.I₂₀₁₀ = 0,693.

132. I. Carazeanu Popovici, S. Birghila, **G. Voicu**, V. Ionescu, V. Ciupina, G. Prodan - „Morphological and microstructural characterization of some petroleum cokes as potential anode materials in lithium ion batteries”, *Journal of Optoelectronics and Advanced Materials*, 12(9), 1903-1908, 2010, ISSN 1454-4164, WOS: 000283514700012, F.I₂₀₁₀ = 0,412.
133. A. Fikai, E. Andronescu, **G. Voicu**, C. Ghițulică, B.Ș. Vasile, D. Fikai, V. Trandafir - „Self assembled collagen / hydroxyapatite composite materials”, *Chemical Engineering Journal*, 160 (2), 794-800, 2010, ISSN 1385-8947, WOS: 000279137900050, F.I₂₀₁₀ = 3,074.
134. E. Andronescu, M. Fikai, **G. Voicu**, D. Fikai (Manzu), M. Maganu, A. Fikai - „Synthesis and characterization of collagen/hydroxyapatite - magnetite composite material for bone cancer treatment”, *Journal of Materials Science, Materials in Medicine*, 21 (7), 2237-2242, 2010, ISSN 0957-4530, WOS: 000279592600024, F.I₂₀₁₄ = 2,587.
135. A. Fikai, E. Andronescu, **G. Voicu**, C. Ghițulică, D. Fikai (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, WOS: 000277105300004, F.I₂₀₁₀ = 1,496.
136. D. Berger, C. Matei, **G. Voicu**, A. Bobaru - „Synthesis of La_{1-x}Sr_xMO₃ (M = Mn, Fe, Co, Ni) nanopowders by alanine-combustion technique”, *Journal of the European Ceramic Society*, 30 (2), 617-622, 2010, ISSN 0955-2219, WOS: 000272455600085, F.I₂₀₁₀ = 2,574.
137. A. Fikai, E. Andronescu, V. Trandafir, C. Ghițulică, **G. Voicu** - „Collagen/hydroxyapatite composite obtained by electric field orientation.”, *Materials Letters*, 64(4), 541-544, 2010, ISSN 0167-577X, WOS: 000273918300015, F.I₂₀₁₀ = 2,117.
138. A. Fikai, E. Andronescu, **G. Voicu**, M.G. Albu, A. Ilie - „Biomimetically synthesis of collagen/hydroxyapatite composite materials.”, *Revista de Materiale Plastice*, 47 (2), 205-208, 2010, ISSN 0025-5289, WOS:000281051300017, F.I₂₀₀₉ = 0,873.
139. D. Manzu (Fikai), A. Fikai, **G. Voicu**, B.S. Vasile, C. Guran, E. Andronescu - „Polysulfone based membranes with desired pores characteristics”, *Revista de Materiale Plastice*, 47 (1), 24-27, 2010, ISSN 0025-5289, WOS:000276587100005, F.I₂₀₀₉ = 0,873.
140. A. Fikai, E. Andronescu, C. Ghițulică, **G. Voicu**, V. Trandafir, D. Fikai (Mânzu), M. Fikai, S. Pall - „Collagen/Hydroxyapatite interactions in composite biomaterials”, *Revista de Materiale Plastice*, 46 (1), 11-15, 2009, ISSN 0025-5289, WOS: 000265431100002, F.I₂₀₀₉ = 0,873.
141. **G.Voicu**, A.Badanoiu - „The influence of Al/Si ratio and post melting thermal treatment on the reactivity of aluminate –silicate glasses used for dental cements preparation”, *Journal of Optoelectronics and Advanced Materials*, 11 (5), 750-754, 2009, ISSN: 1454-4164 (comunicata în 2007 și la Conf.10th ECers, Germania), WOS: 000267212600030, F.I₂₀₀₉ = 0,433.
142. A. Fikai, E. Andronescu, **G. Voicu**, D. Fikai (Manzu), M. Fikai - „Layer by layer deposition of hydroxyapatite onto the collagen matrix”, *Materials Science and Engineering: C, Materials for Biological Applications*, 29 (7), 2217-2220, 2009, ISSN: 0928-4931, WOS: 000270159200021, F.I₂₀₀₉ = 1,842.
143. M. Georgescu, **G. Voicu**, C. Stoica - „Clinchere și cimenturi obținute prin folosirea la ardere a combustibililor alternativi (Clinkers and cements obtained by using alternative fuels)”, *Revista Română de Materiale (Romanian Journal of Materials)*, 39 (2), 108-118, 2009, ISSN 1583-3186, WOS: 000267079900003, F.I₂₀₀₉ = 0,242.
144. A.Badanoiu, **G.Voicu**, S. Stoleriu - „Durabilitatea unor cimenturi mixte supuse la atac acid (The durability of blended cements subjected to acid attack)”, *Revista Română de Materiale (Romanian Journal of Materials)*, 39 (3), 236-245, 2009, ISSN 1583-3186, WOS: 000269866200009, F.I₂₀₀₉ = 0,242.
145. V. Burghilea, F. Murariu, **G.Voicu**, C. Cristea, A. Nan - „Granular activated charcoal”, *Revista Romana de Materiale-Romanian Journal of Materials*, 39 (2), 140-147, 2009, ISSN 1583-3186, WOS: 000267079900006, F.I₂₀₀₉ = 0,242.

146. N.M. Sulca, A. Lungu, **G. Voicu**, S. Garea, H. Iovu - „Advanced characterization of polyhedral oligomeric silsesquioxanes used for nanocomposites synthesis”, *Revista de Materiale Plastice*, 46 (2), 124-128, 2009, ISSN 0025-5289, WOS: 000269110000002, F.I2009 = 0,873.
147. H.V Alexandru, A. Ioachim, M.I Toacsan, L. Nedelcu, M.G Banciu, C. Bercaru, **G. Voicu**, S. Jinga, E. Andronescu - „Ba(Zn_{1/3}Ta_{2/3})O₃ ceramics for microwave and millimeter-wave applications”, *Interdisciplinary transport phenomena: fluid, thermal, biological, materials and space science*, 1161, 549-553, 2009, ISSN 0077-8923, WOS: 000266236000046, F.I2009 = 2,67 .
148. S.A. Garea, F. Constantin, **G. Voicu**, H. Iovu - „New Nanocomposites based on Epoxy Resin and Modified Montmorillonite with Polyhedral Oligomeric Silsesquioxane-amine Compounds”, *Materiale Plastice*, 45 (4), 414-420, 2008, ISSN 0025-5289, WOS: 000262600800021, F.I2008 = 0,873.
149. M. Georgescu, N. Saca, **G. Voicu** - „Procese de hidratare-hidroliză în cimenturi complexe, cu conținut de calcar și cenușă (Hydration-hydrolysis processes in blended cements with limestone filler and fly ash content)”, *Revista Română de Materiale (Romanian Journal of Materials)*, 38 (4), 260-270, 2008, ISSN 1583-3186; WOS: 000261747900002.
150. C. Dumitrescu, M. Menicu, **G. Voicu**, I. Popovici - „Efectul adaosului de calcar asupra hidratării și întăririi cimentului portland, în corelație cu caracteristicile fizice și mecanice ale acestora (The effect of limestone addition on the hydration and hardening of Portland cement in correlation with its physical and mechanical properties)”, *Revista Română de Materiale (Romanian Journal of Materials)*, 38 (2), 203-211, 2008, ISSN 1583-3186; WOS: 000259098100004.
151. A. Puri, A.Badanoiu, **G. Voicu** - „Eco-friendly binders based on fly ash”, *Revue Roumaine de Chimie*, 53(11), 1069-1076, 2008, ISSN 0035-3930, WOS: 000266226500011, F.I2008 = 0,284.
152. A.Badanoiu, **G.Voicu** - „Rezistența la coroziune sulfatică a unor cimenturi Portland mixte și de tip compozit (Sulfate resistance of binary and ternary blended cements)”, *Revista Română de Materiale (Romanian Journal of Materials)*, 38 (4), 271-283, 2008, ISSN 1583-3186; WOS: 000261747900003.
153. V. Burghilea, L. Boșnea, E. Tudorache, M.I.Popescu, **G. Voicu**, C. Cristea - „Glazuri antibacteriene pe bază de fosfat tricalcic (Antibacterial glazes base on tricalcium phosphate)”, *Revista Română de Materiale (Romanian Journal of Materials)*, 38 (1), 45-56, 2008, ISSN 1583-3186; WOS: 000255032000006 .
154. C. Voinitchi, D. Stematiu, **G. Voicu**, B. Andrei - „Diagnosticarea reacțiilor alcalii-agregate în structurile de beton. Studiu de caz (Alkali-aggregate reaction diagnosis in concrete structure. A case study – Dridu Dam)”, *Revista Română de Materiale (Romanian Journal of Materials)*, 38 (2), 98-103, 2008, ISSN 1583-3186; WOS: 000256898000002.
155. C. Prejmorean, Gh. Tomoaia, M. Tomoaia-Cotisel, A. Mocanu, O. Horovitz, M. Moldovan, D. Dudea, **G. Voicu**, I. Petean - „Surface organization and stability of some composites exposed to biologic medium. Atomic force microscopy observations”, *Journal of Optoelectronics and Advanced Materials*, 10 (3), 597-601, 2008, ISSN 1454-4164, WOS: 000254588800024, F.I2008 = 0,577.
156. C. Dumitrescu, M. Menicu, **G. Voicu** - „Liant hidraulic performant, ecologic și economic (Ecological and economical, high performance hydraulic binder)”, *Revista Română de Materiale (Romanian Journal of Materials)*, 37 (4), 291-295, 2007, ISSN 1583-3186; WOS: 000255031900004.
157. D.Berger, C.Matei, F.Papa, **G. Voicu**, V.Fruth - „Pure and doped lanthanum cobaltites obtained by combustion method”, *Progress in Solid State Chemistry*, 35 (2-4), 183-191, 2007, ISSN 0079-6786, WOS: 000248298000003, F.I2007 = 1,754.
158. A. Badanoiu, S. Stoleriu, **G. Voicu** - „Mixed and composite cements with additions of limestone filler, slag and volcanic tuff”, *Revista de Chimie*, 58 (3), 283-287, 2007, ISSN 0034-7752, WOS: 000246820700007, F.I2007 = 0,261.

159. S. Garea, H. Iovu, S. Stoleriu, **G. Voicu** - „Synthesis and Characterization of New Nanocomposites Based on Epoxy Resins and Organophilic Clays”, *Polymer International*, Ed. Wiley and Sons Inc, 56 (9), 1106-1114, 2007, ISSN 0959-8103, WOS: 000248495700004, F.I₂₀₀₇ = 1,577.
160. M. Mocioi, A. M. Albu, C. Mateescu, **G. Voicu**, E. Rusen, B. Marculescu, L. Mutihac - „New Polymeric Structures Designed for the Removal of Cu (II) Ions from Aqueous Solutions”, *Journal of Applied Polymer Science*, 103 (3), 1397-1405, 2007, ISSN 0021-8995, WOS: 000243013800004 F.I₂₀₀₇ = 1,008.
161. A. Ianculescu, A. Brăileanu, M. Crișan, P. Budrugaec, N. Drăgan, **G. Voicu**, D. Crișan, V. Marinescu - „Influence of barium source on the characteristics of sol-precipitated BaTiO₃ powders and related ceramics prepared by sol-gel method”, *Journal of Thermal Analysis and Calorimetry*, 88, 251-260, 2007, Springer, ISSN: 1388-6150, WOS: 000245649300044, F.I₂₀₀₇ = 1,483.
162. A. Ianculescu, A. Brăileanu, **G. Voicu**, S. Stoleriu - „Phase formation mechanism and characteristics of strontium barium niobate ceramics”, *Journal of the European Ceramic Society*, 27 (2-3), 517-521, 2007, ISSN 0955-2219, WOS: 000243265100014, F.I₂₀₀₇ = 1,562.
163. A. Ianculescu, A. Brăileanu, **G. Voicu** - „Synthesis, microstructure and dielectric properties of antimony-doped strontium titanate ceramics”, *Journal of the European Ceramic Society*, 27 (2-3), 1123-1127, 2007, ISSN 0955-2219, WOS: 000243265100121, F.I₂₀₀₇ = 1,562.
164. A. Ianculescu, A. Brăileanu, **G. Voicu**, N. Drăgan, D. Crișan - „Formation and properties of some antimony-doped strontium titanate ceramics”, *Journal of Optoelectronics and Advanced Materials*, 8 (2), 548-552, 2006, ISSN 1454-4164, WOS: 000237001000030, F.I₂₀₀₆ = 1,106.
165. V. Fruth, A. Ianculescu, D. Berger, S. Preda, **G. Voicu**, E. Tenea, M. Popa - „Synthesis, structure and properties of doped Bi₂O₃” *Journal of European Ceramic Society*, 26 (14), 3011-3016, 2006, ISSN 0955-2219, F WOS: 000240165200025, F.I₂₀₀₆ = 1,576.
166. I. Neamțu, D. Becherescu, I. Lazău, **G. Voicu** - „Caracterizarea țiglelor din beton obținute pe baza unor mase liante complexe” (Characterization of concrete roof tiles obtained from complex binding mass), *Revista de Chimie* 57 (4), 403-409, 2006, ISSN 0034-7752, WOS: 000238933800016, F.I₂₀₀₆ = 0,208.
167. M. Georgescu, **G. Voicu**, S. Stoleriu, G. Poteras - „Réactions alcalis-granulat dans des mortiers avec granulats andhésitiques et dolomitiques” (Alkali-aggregate reactions in mortars with andesitic and dolomitic aggregates), *Revue Roumaine de Chimie*, 50(11-12), 929-937, 2005, ISSN 0035-3930, WOS: 000238236000010, F.I₂₀₀₅ = 0,226.
168. M. Georgescu, D. Voinițchi, **G. Voicu** - „Hydration processes and newly formed hydrates in alkali activated slag binders”, *Revista de Chimie*, 56(12), 1199-1204, 2005, ISSN 0034-7752, WOS: 000234983300002, F.I₂₀₀₅ = 0,278.
169. M. Georgescu, **G. Voicu**, A. Puri, B. Marculescu - „Properties and reaction processes at the hardening of some organo-mineral cements (glass-ionomer cements)”, *Revue Roumaine de Chimie*, 50(6), 491-496, 2005, ISSN 0035-3930, WOS:000233575500010, F.I₂₀₀₅ = 0,226.
170. **G. Voicu**, A. Puri, M. Georgescu - „Reaction processes in aluminumsilicate - phosphoric acid – water binding systems”, *Revue Roumaine de Chimie*, 50(7-8), 713-718, 2005, ISSN 0035-3930, WOS: 000234391100032, F.I₂₀₀₅ = 0,226.
171. A. Badanoiu, **G. Voicu** - „Hydration and hardening processes in composite cements with pozzolanic materials content”, *Revue Roumaine de Chimie*, 50(5), 371-379, 2005, ISSN 0035-3930, WOS: 000233575400006, F.I₂₀₀₅ = 0,202.
172. A. Puri, M. Georgescu, **G. Voicu** - „Properties and reaction processes at the hardening of some aluminate-silicate-fluoride phosphate binders”, *Revue Roumaine de Chimie*, 49 (2), 135-142, 2004, ISSN 0035-3930, WOS: 000222189700006, F.I₂₀₀₄ = 0,199.
173. A.Puri, M. Georgescu, M. Coarnă, **G. Voicu**, C. Voinițchi - “Thermoanalytical and infrared spectroscopy investigations of some mineral pastes containing organic

polymers”, Cement and Concrete Research, 32 (8),1269-1275, 2002, ISSN 0008-8846, WOS: 000176811200011, F.I₂₀₀₄₋₂₀₀₈ = 2,063.

Reviste indexate în baze de date internaționale specifice domeniului

174. C.-L. Oproiu, A. Nicoară, **G. Voicu***, A. Bădănoiu - „The effect of ash resulted in wood-based pannels manufacturing process on the properties of portland cement”, U.P.B. Sci. Bull., Series B, 82 (1), 15-24, 2020, ISSN 1454-2331, WOS: 000550837300002.
175. A. Moroșan, D.E. Mihaiescu, D. Istrati, G. Voicu, A. Fudulu, R. Stan - „Polar shell magnetic nanostructured systems for heterogeneous nanophase reactions”, U.P.B. Sci. Bull., Series B, 80 (3), 53-64, 2018, ISSN 1454-2331, WOS:000440890800005.
176. F. Iacob, G.T. Tihan, R.G. Zgârian, G. Voicu, I. Rău- „Impact of some essential oils on the collagenic stability of the human dentine”, U.P.B. Sci. Bull., Series B, 79 (1), 45-50, 2017, ISSN 1454-2331, WOS:000405772200005.
177. A. Gionea, E. Andronescu, **G. Voicu**, V.-A. Surdu, A. Ilie- „ZrO₂-CaO ceramics - A comparative study”, U.P.B. Sci. Bull., Series B, 78 (1), 3-12, 2016, ISSN 1454-2331, WOS:000417051900001.
178. T.H.A. Al-Saadi, A. Badanoiu, S. Stoleriu, **G. Voicu**, M. Eftimie- „Mechanical properties and hydrolytic stability of geopolymers based on white waste glass. influence of thermal treatment”, U.P.B. Sci. Bull., Series B, 77 (4), 15-28, 2015, ISSN 1454-2331.
179. I.-A. Nedelcu, A. Ficai, D. Ficai, G. Voicu, M.G. Albu, E. Andronescu- „Hybrid collagen-carboxymethylcellulose/ hydroxyapatite composite materials for bone tissue regeneration”, U.P.B. Sci. Bull., Series B, 77 (1), 3-14, 2015, ISSN 1454-2331.
180. A.Spoiala, **G. Voicu**, D. Ficai, C. Ungureanu, M.G. Albu, B.S. Vasile, A. Ficai, E. Andronescu- „Collagen/TiO₂-Ag composite nanomaterials for antimicrobial applications”, U.P.B. Sci. Bull., Series B, 77 (4), 275-290, 2015, ISSN 1454-2331.
181. M. Andrei, D. Gheorghe, **G. Voicu**, C. Pîrvu- „Tracing the corrosion processes of different metal-ceramic dental crowns by EIS and SEM investigation”, U.P.B. Sci. Bull., Series B, 77 (4), 113-122, 2015, ISSN 1454-2331.
182. D.C. Romonți, **G. Voicu**, M. Prodana, D. Ioniță- „Nanosized electrodeposited phosphate masses on stainless steel”, U.P.B. Sci. Bull., Series B, 77 (2), 99-106, 2015, ISSN 1454-2331.
183. D.C. Romonți, G. Anghel, **G. Voicu**- „Selecting super hydrophilic phosphate masses coatings electrodeposited on titanium for medical applications”, Proceedings of the International Semiconductor Conference, CAS, 24 November 2014, Article number 6966408, Pages 113-116.
184. 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.
185. A. M. Gromezescu, E. Andronescu, A. Ficai, C.-H. Yang, K.-S. Huang, B. S. Vasile, **G. Voicu**, D. E. Mihaiescu, C. Bleotu - "Magnetic nanofluid with antitumoral properties", Letters in Applied NanoBioScience, 1(3), 56-60, 2012, ISSN: 2284-6808.
186. A. I. Cotar, A. M. Gromezescu, E. Andronescu, **G. Voicu**, A. Ficai, K.-L. Ou, K.-S. Huang, M. C. Chifiriuc - " Nanotechnological solution for improving the antibiotic efficiency against biofilms developed by gram-negative bacterial strains ", Letters in Applied NanoBioScience, 2(1), 97-104, 2012, ISSN: 2284-6808.
187. C. Andronescu, S.A. Gârea, **G. Voicu**, E. Vasile, H. Iovu - „Nanocomposites based on a new polybenzoxazine resin and MMT”, U.P.B. Sci. Bull., Series B, 74 (4), 69-76, 2012, ISSN 1454-2331.
188. M.Georgescu, I. Mohanu, **G.Voicu**, V. Coțofană- „Physical-chemical processes at hardening of some lime-limestone-volcanic tuff composites”, U.P.B. Sci. Bull., Series B, 74 (1), 131-142, 2012, ISSN 1454-2331.

189. A. Mazăre, **G. Voicu**, R. Trușcă, D. Ioniță- „Heat treatment of TiO₂ nanotubes, a way to significantly change their behaviour”, UPB Bull Sci., Series B, 73 (1), 97-108, 2011, ISSN 1454-2331.
190. A. Lungu, N.M. Florea, **G. Voicu**, H. Iovu - „Comparison between octa - or monofunctional POSS interactions with dimethacrylate monomers”, UPB Bull Sci., Series B, 73 (3), 177-188, 2011, ISSN 1454-2331.
191. M. Ficai, E. Andronescu, A. Ficai, **G. Voicu**, B.S. Vasile - „Poly BIS-GMA/HA based hybrid composite materials”, UPB Bull Sci., Series B, 73 (1), 75-84, 2011, ISSN 1454-2331.
192. A. Ficai, E. Andronescu, **G. Voicu**, S. Pall - „Methodology of in vitro characterization of human uroliths”, UPB Bull Sci., Series B, 72 (1), 47-56, 2010, ISSN 1454-2331.
193. A.M Albu, M. Mocioi, C.D Mateescu, **G. Voicu**, N. D. Stanciu - “Maleic anhydride copolymers with ability to bind metal ions: II. Aromatic amine derivatives from removal of Cr (III) ions”, Nonlinear Optics Quantum Optics, 39 (1), 67-79, 2009, ISSN 1543-0537 (indexată Chemical Abstracts; Engineering Info., USA; Opto-Laser Info, USA).
194. A. Bădănoiu, J. Paceagiu, **G. Voicu** - „Evaluation of the effect of some mineral additions on the burnability of raw MIX in cement production”, UPB Bull Sci., Series B, 71 (3), 23-36, 2009, ISSN 1454-2331.
195. **G.Voicu**, M.Georgescu, A.Zahanagiu - „Influence of zinc salts on the Portland cement properties with or without slag addition”, U.P.B. Sci. Bull., Series B, 70 (2), 11-20, 2008, ISSN 1454-2331.
196. A. Lungu, C. Ghițulică, S. Gârea, **G. Voicu**, H. Iovu, C. Neagu- „Structural analysis on photopolymerized commercial dental composites”, U.P.B. Sci. Bull., Series B, 70 (1), 3-14, 2008, ISSN 1454-2331.
197. A. Lungu, C. Ghitulica, S. Garea, **G.Voicu**, H. Iovu- „The characterization of some dental composites with micro- and nanofiller”, 8th World Biomaterials Congress 2008, Volume 2, 2008, Page 860
198. R. Stan, C. Ott, S. Rosca, A. Bădănoiu, Ș. Stoleriu, **G. Voicu** - “Syntheses of nanostructured silica mediated by organogelators derivated from D-sorbitol”, U.P.B. Sci. Bull., Series B, Vol. 7 (3), 3-10, 2008, ISSN 1454-2331 (indexată Chemical Abstract, Elsevier Sciences’s Bibliographic Databases, Scopus, Cambridge Scientific Abstracts smd.).
199. A. Bădănoiu, **G. Voicu** – “Influența ionului Cr⁶⁺ asupra proceselor de hidratare și întărire ale cimentului portland cu/fără adaos de zgură (The influence of Cr⁶⁺ on the Portland cement (with/without slag) hydration and hardening processes)” Revista Română de Materiale/Romanian Journal of Materials ISSN 1583-3186, 36 (4), 293-300, 2006 (indexată Chemical Abstract, Ceramic Abstract, CNRS-INIST, MK-Periodica, IPGA-Glassfile).
200. A. Puri, **G. Voicu** - „Chemical activation of fly ashes”, Revista Română de Materiale, 36(3), 198, 2006, ISSN 1583-3186.
201. M. Georgescu, **G. Voicu**, S. Stoleriu, G. Poteras - „Reactivity of some andesite aggregates with regard to alkali in cement”, Revista Română de Materiale, 35(1), 28, 2005 (indexată Chemical Abstract, Ceramic Abstract, CNRS-INIST, MK-Periodica, IPGA-Glassfile)..
202. S.A.Garea, S. Stoleriu, **G. Voicu**, H. Iovu - „Polymer-Based nanocomposites”, U.P.B-Scientific Buletin, 67(3), 95, 2005, ISSN 1454-2331 (indexată Chemical Abstract, ELSEVIER SCIENCES’S BIBLIOGRAPHIC DATABASES, Scopus, CAMBRIDGE SCIENTIFIC ABSTRACTS smd.).
203. I. Carazeanu, E. Chirila, A. Badanoiu, **G. Voicu** - "Synthesis of LiMnxCo1-xO2 by different low – temperature techniques", Ovidius University Annals of Chemistry, vol. 14, 1 (ISSN 1223-7221), 5, 2003.
204. A.Puri, M. Georgescu, **G. Voicu** - "Hardening processes in the Fe2O3-P2O5-H2O system", Revista Română de Materiale, 32 (3), 197, 2002 (indexată Chemical Abstract, Ceramic Abstract, CNRS-INIST, MK-Periodica, IPGA-Glassfile).

- 205.** A. Puri, G. Danila, A. Mihaila-Coman, **G. Voicu** - "The influence of plasticizers on the properties of concretes made from different blended cements", *Materiale de Constructii*, 3(20), 219, 2000 (indexată Chemical Abstract, Ceramic Abstract, CNRS-INIST, MK-Periodica, IPGA-Glassfile).
- 206.** A. Puri, M. Georgescu, **G. Voicu** - "Mase liante silico-alumino-fosfatice" *Materiale de Constructii*, 1 (20), 39, 2000 (indexată Chemical Abstract, Ceramic Abstract, CNRS-INIST, MK-Periodica, IPGA-Glassfile).
- 207.** A. Puri, M. Georgescu, **G. Voicu** - "Reaction processes in portland cement - lead salts - water systems", *Proceedings of the Romanian Academy*, 1 (3), 29, 2001.