

1. **Anton FICAI**, Ecaterina ANDRONESCU; NANOPARTICLES: A Challenge of the Future; Romanian International Conference on Chemistry and Chemical Engineering, 2-5 September 2015, Sibiu, Romania
2. **Anton Fikai**; *COLL/HA composite materials for hard tissue engineering*; Young Scientists Joining Forces for Excellence in Biomaterials Research; May 28TH – 29TH 2015, Bucharest, Romania (**invited speaker**)
3. M. Sonmez, **A. Fikai**, D. Fikai, Dragos Gudovan, E. Andronescu; Composite materials based on zinc alginate and various microporous materials; VII International Materials Symposium / XVII Conference of Sociedade Portuguesa dos Materiais Faculdade de Engenharia da Universidade do Porto, Portugal / 21 – 23 JUNE, 2015
4. **Anton FICAI**, Maria Sonmez, Madalina Georgiana ALBU, Denisa Fikai, Coralia BLEOTU, Ecaterina Andronescu; Multifunctional materials for BONE CANCER TREATMENT; VII International Materials Symposium / XVII Conference of Sociedade Portuguesa dos Materiais Faculdade de Engenharia da Universidade do Porto, Portugal / 21 – 23 JUNE, 2015
5. Denisa Fikai, Maria Sonmez, **Anton FICAI**, Laurentia Alexandrescu, Ecaterina Andronescu; Synthesis and characterisation of composite materials based on polypropylene and silicon carbide; VII International Materials Symposium / XVII Conference of Sociedade Portuguesa dos Materiais Faculdade de Engenharia da Universidade do Porto, Portugal / 21 – 23 JUNE, 2015
6. M. Sonmez, **A. Fikai**, D. Fikai, D. F. Sava, D. Gurau, "Obtaining and characterization of nanocomposite based on polypropylene/graphene oxide", *VII International Materials Symposium / XVII Conference of Sociedade Portuguesa dos Materiais*, Porto, Portugal, 21-23 June, 2015.
7. M. Sonmez, **A. Fikai**, D. Fikai, Dragos Gudovan, E. Andronescu, "Composite materials based on sodium alginate used to remove heavy metal ions", *VII International Materials Symposium / XVII Conference of Sociedade Portuguesa dos Materiais*, Porto, Portugal, 21-23 June, 2015
8. Maria Sonmez, Denisa Fikai, Angela Spoiala, **Anton Fikai**, Laurentia Alexandrescu, Ecaterina Andronescu, "TiO₂ based multiphase polymer architectures for medical and non-medical application", *3rd International Congress on Nano Science & Nano Tehnology (ICNT)*, Turkey, Istanbul, 2015.
9. Simona Popescu, Denisa Fikai, **Anton Fikai**, Bogdan Vasile, Georgeta Voicu, Maria Sonmez, Roxana Trusca, Ecaterina Andronescu, "Mesoporous magnetic bead for drug delivery", *3rd International Congress on Nano Science & Nano Tehnology (ICNT)*, Turkey, Istanbul, 2015.
10. M. Sonmez, L. Alexandrescu, **A. Fikai**, D. Fikai, M. Georgescu, M. Nituica, "Influence of organo-inorganic functionalization agent on laminated materials properties", *3rd International Congress on Nano Science & Nano Tehnology (ICNT)*, Turkey, Istanbul, 2015.
11. Alexandra Chiric, **Anton Fikai**, Roxana Truscă, Ecaterina Andronescu; Synthesis of cross-linked polyvinyl alcohol for obtaining adsorbent systems to be used in treatment of wastewater contaminated with heavy metals; 2014 Spring Meeting; Lille - Grand Palais Strasbourg, May 26 - 30, 2014
12. Valentina Grumezescu, **Anton Fikai**, Alina Maria Holban, Gabriel Socol, Alexandru Mihai Grumezescu, Denisa Fikai, Elena Grosu, Ion Mihailescu, Coralia Bleotu, Mariana Carmen Chifiriuc; MAPLE fabricated PVC-Si coated surfaces with anti-adherent properties; E-MRS 2013 FALL MEETING, Symposium I: Multifunctional Bio-nanomaterials, September 16-19, 2013, Warsaw, Poland
13. M. SONMEZ, **A. FICAI**, D. FICAI, O. OPREA, G. VOICU, E. ANDRONESCU; Synthesis and Characterization of the Anatase Loaded Mesoporous Photocatalyst; 6th International Conference on Nanotechnology: Fundamentals

and Applications (ICNFA'15); Barcelona, Spain in July 15-17, 2015 (**oral presentation**)

14. Simona Popescu, Ioana Lavinia Ardelean, Denisa Fikai, **Anton Fikai**, Bogdan Stefan Vasile, Ecaterina Andronescu; New multifunctional materials such as MCM – 41/ Fe₃O₄/ folic acid as drug delivery system; 7th International Conference on Nanotechnology: Fundamentals and Applications (ICNFA'16); Barcelona, Spain in July 15-17, 2015
15. Maria Sonmez, **Anton Fikai**, Denisa Fikai, Ecaterina Andronescu; Organic/ Inorganic Adsorbents Based on Chitosan/MCM-48 for Removal of Heavy Metal Ions; 5th International Conference on Nanotechnology: Fundamentals and Applications (ICNFA'15); Barcelona, Spain in July 15-17, 2015
16. Simona Popescu, Ioana Lavinia Ardelean, Denisa Fikai, **Anton Fikai**, Bogdan Stefan Vasile, Ecaterina Andronescu, Maria Sonmez, "New multifunctional materials such as MCM – 41/ Fe₃O₄/ folic acid as drug delivery system", *6th International Conference on Nanotechnology: Fundamentals and Applications (ICNFA'15)*, Barcelona, Spain, July 15 – 17, 2015 (POSTER).
17. R. Cristescu, V. Grumezescu, A. M. Holban, B.S. Vasile, L. Mogoanta, G. D. Mogosanu, A.M. Grumezescu, G. Socol, I.N. Mihailescu, **A. Fikai**, R. Trusca, F. Iordache, D.B. Chrisey, MAPLE-fabricated thin films composed of 5 nm antibiotics functionalized magnetite nanostructures with anti-pathogenic properties, E-MRS 2014 SPRING MEETING, Symposium J: Laser interaction with advanced materials: fundamentals and applications, May 26th-30th, 2014, Lille, France.
18. V. Grumezescu, E. Andronescu, G. Socol, A.M. Holban, A. M. Grumezescu, **A. Fikai**, R. Trusca, F. Iordache, Tetracycline local delivery from γ -aminobutyric acid-silica networks thin films for preventing microbial infections, E-MRS 2014 SPRING MEETING: Laser interaction with advanced materials: fundamentals and applications, May 26th-30th, 2014, Lille, France.
19. V. Grumezescu, A.M. Holban, A.M. Grumezescu, G. Socol, B.S. Vasile, **A. Fikai**, R. Trusca, F. Iordache, γ -cyclodextrine – usnic acid thin film prepared by MAPLE for improving medical surfaces resistance to *Staphylococcus aureus* colonization, E-MRS 2014 SPRING MEETING: Laser interaction with advanced materials: fundamentals and applications, May 26-30th, 2014, Lille, France.
20. G. Socol, A.M. Grumezescu, A.M. Holban, B.S. Vasile, R. Cristescu, V. Grumezescu, D. Fikai, **A. Fikai**, R. Trusca, E. Grosu, F. Iordache, Fabrication and characterization of medical surfaces functionalized with silicon polymer for anti-infective therapy applications, E-MRS 2014 SPRING MEETING, Symposium J: Laser interaction with advanced materials: fundamentals and applications, May 26th-30th, 2014, Lille, France
21. V. Grumezescu, E. Andronescu, G. Socol, A.M. Holban, L. Mogoanta, G.D. Mogosanu, A.M. Grumezescu, B.S. Vasile, **A. Fikai**, R. Trusca, F. Iordache, Poly(lactic-co-glycolic) acid/chitosan microsphere thin films functionalized with stabilized cinnamomi aetheroleum and magnetite nanoparticles for preventing the microbial colonization of medical surfaces: E-MRS 2014 SPRING MEETING: Solution processing and properties of functional oxide thin films and nanostructures, May 26th-30th, 2014, Lille, France.
22. A. M. Grumezescu, E. Andronescu, A. M. Holban, L. Mogoanta, G. D. Mogosanu, G. Socol, V. Grumezescu, B. S. Vasile, **A. Fikai**, R. Trusca, F. Iordache, MAPLE fabricated magnetite@eugenol and poly lactic acid – chitosan coated surfaces with anti-staphylococcal properties, E-MRS 2014 SPRING MEETING: Solution processing and properties of functional oxide thin films and nanostructures, May 26th-30th, 2014, Lille, France.
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 25. V. Grumezescu, **A. Ficai**, A.M. Holban, G. Socol, A.M. Grumezescu, D. Ficai, E. Grosu, I. Mihailescu, C.oralia Bleotu, M.C. Chifiriuc: MAPLE deposition of silicon based polymer coatings on PVC with anti-adherent properties, E-MRS 2013 FALL MEETING, Symposium I: Multifunctional Bio-nanomaterials, September 16-19, 2013, Warsaw, Poland.
 26. V. Grumezescu, A.M. Holban, G. Socol, G.D. Mogosanu, A.M. Grumezescu, **A. Ficai**, R. Cristescu, I. Mihailescu, C. Bleotu, C. Chifiriuc: Anti-fungal surface based on stabilized Cinnamomi aetheroleum and poly(3-hydroxybutyric acid-co-3-hydroxyvaleric acid) – polyvinyl alcohol microspheres fabricated by MAPLE technique, E-MRS 2013 FALL MEETING, Symposium G: Bioinspired and Biointegrated Materials as Frontiers Nanomaterials III, September 16-19, 2013, Warsaw, Poland.
 27. L.M. Ditu, A.M. Grumezescu, E. Andronescu, **A. Ficai**, V. Grumezescu, G. Mihaescu, M.C. Chifiriuc: Phytonanofluid coating agent to prevent fungal colonization. 18th Romanian International Conference on Chemistry and Chemical Engineering, September 4 – 7, 2013, Sinaia, Romania.
 28. A.I. Cotar, A.M. Grumezescu, E. Andronescu, **A. Ficai**, V. Grumezescu, V. Lazar, M.C. Chifiriuc: Influence of the Fe₃O₄@ATB nanoparticles on *Enterococcus faecalis* cells. 18th Romanian International Conference on Chemistry and Chemical Engineering, September 4–7, 2013, Sinaia, Romania.
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 30. V. Grumezescu, G. Socol, A.M. Grumezescu, G. Voicu, C. Bleotu, **A. Ficai**, I. Mihailescu, C.D. Ghitulica, E. Andronescu, C. Chifiriuc: Functionalized antimicrobial thin films based on PLA-PVA microspheres loaded with natural compounds fabricated by MAPLE technique, Symposium V, E-MRS, May 27-31, **2013**, Strasbourg, **France**
 31. Ecaterina Andronescu, Alexandru Grumezescu, **Anton Ficai**, Bogdan Stefan Vasile, Valentina Grumezescu, Eugeniu Vasile, Denisa Ficai, Fabrication of iron oxide nanospheres using pyrosol tehnique, ICAMS proceedings, 2012.
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 34. M.C. Chifiriuc, A.M. Grumezescu, E. Andronescu, C. Saviuc, **A. Ficai**, C. Bleotu, V. Lazar: Biocompatibility Evaluation of Putative Magnetic Drug Carriers by Flow

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 37. A. ILIE, E. ANDRONESCU, G. VOICU, A. CUCURUZ, **A. FICAI**; Antiseptic composite materials (CM) for biomedical applications; 17th Romanian International Conference on Chemistry and Chemical Engineering September 7–10,2011, Sinaia–Romania;
 38. E. ANDRONESCU, D. FICAI, M. SONMEZ, M. G. ALBU, G. VOICU, **A. FICAI**; Stratified COLL/HA composite materials for bone grafting; 17th Romanian International Conference on Chemistry and Chemical Engineering September 7–10,2011, Sinaia–Romania (**oral presentation**);
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 40. I. Titorencu, M.G. Albu, A. Georgescu, V. Jinga, **A. Ficai**. Collagen –dexamethasone and collagen-d3 scaffolds for bone tissue engineering: an in vitro study, 11th International Conference on Frontiers of Polymers and Advanced Materials, 22-27 Mai 2011, Pretoria, Africa de Sud
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 42. **A. Ficai**, I. A. Nedelcu, A. Ilie, M. G. Albu, M. Ficai, G. Voicu, B. S. Vasile, D. Ficai, E. Andronescu; Antiseptic Materials Containing Silver Nanoparticles; 4th International Conference „Biomaterials, Tissue Engineering and Medical Devices” (BiomMedD'2010), Sinaia, 23-25 septembrie 2010.
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 44. Alexandru NITULETE, Lucian GOMOESCU, Andreia ILIE, Stefan PALL, Maria FICAI, Bogdan VASILE, **A. FICAI**, Georgeta VOICU, Cristina GHITULICA, E. ANDRONESCU; Mineralizarea diverselor forme colagenice prin metoda imersiei in SBF; Ședința lunară de comunicări științifice a Societății de științe farmaceutice din România, Filiala Craiova, 20 octombrie 2009, Craiova (**invited speaker**)
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49. **A. FICAI**, E. ANDRONESCU, Georgeta VOICU, Ștefan PALL, Bogdan Ștefan VASILE; Materiale compozite pentru aplicatii in ortopedie; Zilele U.M.F. din Craiova, Ediția a XXXIX-a 5-6 Iunie 2009 (prezentare orală)
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