

LISTA DE LUCRĂRI:

I. TEZA DE DOCTORAT (T)

- T1. A.C. Mocanu**, “*Contribuții privind fabricarea unor structuri 3D din pulberi biomimetice cu aplicații biomedicale (Contributions on the manufacturing of 3D constructs using biomimetic powders for biomedical applications)*”, Titlu de Doctor acordat prin Ordin de Ministru Nr. 5533/01.11.2021.

II. ALTE MATERIALE PUBLICATE (I, D)

D – Capitole publicate în volume colective

- D1. A.C. Mocanu**, “*Structuri poroase din fosfați de calciu biogeni pentru aplicații biomedicale*”, în *Materiale utilizate în medicină – aspecte interdisciplinare*, Ed. I. Antoniac, Printech, 2021, ISBN 978-606-23-1306-7.
- D2. F. Miculescu, A.C. Mocanu, GE. Stan, A. Maidaniuc, M. Miculescu, SI. Voicu, I. Antoniac**, “*Bioceramics derived from marble and sea shells as potential bone substitution materials*”, in *Bioceramics and biocomposites: from experiment to clinical use*, Ed.I. Antoniac, Wiley, 2019 ISBN-10: 1119049342.
- D3. F. Miculescu, A.C. Mocanu, A. Maidaniuc, C.A. Dascălu, M. Miculescu, S.I. Voicu**, “*Biomimetic Calcium Phosphates Derived from Marine and Land Bioresources*”, in *Hydroxyapatite – Advances in Composite Nanomaterials, Biomedical Applications and Its Technological Facets*, Ed. J. Thirumalai, InTech, 2018, DOI: 10.5772/intechopen.71489, ISBN 978-953-51-5731-1.

III. ARTICOLE / STUDII ÎN EXTENSO PUBLICATE (R, V)

R – Ris, Risb

R1. Articole în reviste cotate ISI Thomson Reuters

- Ris1. A.C. Mocanu, F. Miculescu, E.S. Dondea, M.A. Pandele, Ș.I. Voicu, A.A. Dobre, G.E. Stan,, A. Ghebaur, L.T. Ciocan**, *Induced antibacterial activity of printable composite materials: Influence of the conjoined modulation of ampicillin/hydroxyapatite/graphene nanoplatelets ratios*, *Ceramics International*, 51(4), 2025, pp. 5181-5198, DOI: 10.1016/j.ceramint.2024.11.492, eISSN: 1873-3956; WOS:001415410100001, **Q1, IF=5.1 (februarie 2025)**.
- Ris2. A.C. Mocanu, A.E. Constantinescu, M.A. Pandele, Ș.I. Voicu, R.C. Ciocoiu, D. Batalu, A. Semenescu, F. Miculescu, L.T. Ciocan**, *Biocompatible Composite Filaments Printable by Fused Deposition Modelling Technique: Selection of Tuning Parameters by Influence of Biogenic Hydroxyapatite and Graphene Nanoplatelets Ratios*, *Biomimetics*, 9(3), 2024, Article number 189, DOI: 10.3390/biomimetics9030189, eISSN: 2313-7673; WOS:001192013400001, **Q1, IF=4.5 (martie 2024)**.
- Ris3. A.M. Negrescu, A.C. Mocanu, F. Miculescu, V. Mitran, A.E. Constantinescu, A. Cîmpean**, *In Vitro Studies on 3D-Printed PLA/HA/GNP Structures for Bone Tissue Regeneration*, *Biomimetics*, 9(1), 2024, Article number 55, DOI: 10.3390/biomimetics9010055, eISSN: 2313-7673; WOS:001149426100001, **Q1, IF=4.5 (ianuarie 2024)**.
- Ris4. A.C. Mocanu, F. Miculescu, G.E. Stan, T. Tite, M. Miculescu, M.H. Țierean, A. Pascu, R.C. Ciocoiu, T.M. Butte, L.T. Ciocan**, *Development of ceramic coatings on titanium alloy substrate by laser cladding with pre-placed natural derived-slurry: Influence of hydroxyapatite ratio and beam power*, *Ceramics International*, 49(7), 2023, pp. 10445-10454, DOI: 10.1016/j.ceramint.2022.11.227, eISSN: 1873-3956; WOS:000944679300001, **Autor principal Q1, IF=5.532 (aprilie 2023)**.
- Ris5. A.C. Mocanu, F. Miculescu, A.E. Constantinescu, M.A. Pandele, Ș.I. Voicu, A. Cîmpean, M. Miculescu, A.M. Negrescu**, *Selection Route of Precursor Materials in 3D Printing Composite Filament Development for Biomedical Applications*, *Materials*, 16(6), 2023, Article number

- 2359, DOI: 10.3390/ma16062359, eISSN: 1996-1944; WOS:000958878300001, **Autor principal Q1, IF=3.748 (martie 2023).**
- Ris6. A.C. Mocanu, F. Miculescu, G.E. Stan, I. Pasuk, T. Tite, A. Pascu, T.M. Butte, L.T. Ciocan, *Modulated Laser Cladding of Implant-Type Coatings by Bovine-Bone-Derived Hydroxyapatite Powder Injection on Ti6Al4V Substrates—Part I: Fabrication and Physico-Chemical Characterization*, Materials, 15(22), 2022, Article number 7971, DOI: 10.3390/ma15227971, eISSN: 1996-1944; WOS:000887357500001, **Autor principal Q1, IF=3.748 (decembrie 2022).****
- Ris7. A.C. Mocanu, F. Miculescu, C.A. Dascălu, Ș.I. Voicu, M.A. Pandele, R.C. Ciocoiu, D. Batalu, S. Dondea, V. Mitran, L.T. Ciocan, *Influence of Ceramic Particles Size and Ratio on Surface—Volume Features of the Naturally Derived HA-Reinforced Filaments for Biomedical Applications*, Journal of Functional Biomaterials, 13(4), 2022, Article number 199, DOI: 10.3390/jfb13040199, eISSN: 2079-4983; PMCID: PMC9590078, **Autor principal Q2, IF=4.901 (decembrie 2022).****
- Ris8. A.C. Mocanu, F. Miculescu, G.E. Stan, A.M. Pandele, M.A. Pop, R.C. Ciocoiu, S.I. Voicu, L.T. Ciocan, *Fiber-Templated 3D Calcium-Phosphate Scaffolds for Biomedical Applications: The Role of the Thermal Treatment Ambient on Physico-Chemical Properties*, Materials, 14(9), 2021, Article number 2198, DOI: 10.3390/ma14092198, eISSN: 1996-1944; WOS:000650579700001, **Autor principal Q1, IF=3.748 (decembrie 2022).****
- Ris9. A.C. Mocanu, F. Miculescu, M. Miculescu, R.C. Ciocoiu, A.M. Pandele, G.E. Stan, A. Cimpean, S.I. Voicu, L.T. Ciocan, *Comprehensive analysis of compatible natural fibre as sacrificial porogen template for tailored ceramic 3D bioproducts destined for hard tissue reconstruction*, Ceramics International, 47(4), 2021, pp. 5318-5334, DOI: 10.1016/j.ceramint.2020.10.113, eISSN: 1873-3956; WOS:000608672000001, **Autor principal Q1, IF=5.532 (decembrie 2022).****
- Ris10. C.A. Dascalu, F. Miculescu, A.C. Mocanu, A.E. Constantinescu, T.M. Butte, A.M. Pandele, R.C. Ciocoiu, S.I. Voicu, L.T. Ciocan, *Novel Synthesis of Core-Shell Biomaterials from Polymeric Filaments with a Bioceramic Coating for Biomedical Applications*, Coatings, 10(3), 2020, pp. 283, DOI: 10.3390/coatings10030283, ISSN: 2079-6412; WOS:000524211800088, **Q2, IF=3.236 (decembrie 2022).****
- Ris11. A.C. Mocanu, M. Miculescu, R.C. Ciocoiu, T.M. Butte, A.I. Bitu, C.G. Milea, A. Antoniac, M. Vasilescu, O. Trante, C. Pop, L.T. Ciocan, *Comparative Framework Of Calcium Phosphates-based Products Derived From Sustainable Marine And Terrestrial Resources For Biomedical Applications*, Studia Universitatis Babes-Bolyai Chemia, 65, 2020, pp. 73-84, DOI: 10.24193/subbchem.2020.4.06, ISSN: 1224-7154; WOS:000601368800006, **Autor principal Q4, IF=0.558 (decembrie 2022).****
- Ris12. A.C. Mocanu, M. Miculescu, T. Machedon-Pisu, A. Maidaniuc, R.C. Ciocoiu, M. Ionita, I. Pasuk, G.E. Stan, F. Miculescu, *Internal and external surface features of newly developed porous ceramics with random interconnected 3D channels by a fibrous sacrificial porogen method*, Applied Surface Science, 489, 2019, pp. 226-238, DOI: 10.1016/j.apsusc.2019.05.354, ISSN: 0169-4332; WOS:000474530600024, **Autor principal Q1, IF=6.707 (decembrie 2022).****
- Ris13. A.C. Mocanu, G.E. Stan, A. Maidaniuc, M. Miculescu, I.V. Antoniac, R.C. Ciocoiu, S.I. Voicu, V. Mitran, A. Cîmpean, F. Miculescu, *Naturally-Derived Biphasic Calcium Phosphates through Increased Phosphorus-Based Reagent Amounts for Biomedical Applications*, Materials, 12(3), 2019, Article number 381, DOI: 10.3390/ma12030381, ISSN: 1996-1944; WOS:000460768000050, **Autor principal Q2, IF=3.748 (decembrie 2022).****
- Ris14. V. Mitran, R. Ion, F. Miculescu, M.D. Necula, A.C. Mocanu, G.E. Stan, I.V. Antoniac, A. Cîmpean, *Osteoblast Cell Response to Naturally Derived Calcium Phosphate-Based Materials*, Materials, 11(7), 2018, pp. 1097, DOI: 10.3390/ma11071097, ISSN: 1996-1944; WOS:000442117300048, **Q2, IF=3.748 (decembrie 2022).****
- Ris15. A. Savin, M.L. Craus, V. Turchenko, F. Novy, A.C. Mocanu, M. Soare, J. Grum, O.S. Doroshkevich, *Complementary Methods for Evaluation of Yttria Stabilized Zirconia Coatings used as Thermal Barrier Coating*, Journal of Mechanical Engineering, 64(11), 2018, pp. 706-**

715, DOI: 10.5545/sv-jme.2017.5107, ISSN: 0039-2480; WOS:000450186100007, **Q3, IF=1.6 (decembrie 2022).**

- Ris16.** F. Miculescu, **A.C. Mocanu**, G.E. Stan, M. Miculescu, A. Maidaniuc, A. Cîmpean, V. Mitran, S.I. Voicu, T. Machedon-Pisu, L.T. Ciocan, *Influence of the modulated two-step synthesis of biogenic hydroxyapatite on biomimetic products' surface*, Applied Surface Science, 438, 2018, pp. 147-157, DOI: 10.1016/j.apsusc.2017.07.144, ISSN: 0169-4332; WOS:000425731200016, **Q1, IF=7.392 (decembrie 2022).**
- Ris17.** A. Maidaniuc, F. Miculescu, S.I. Voicu, C. Andronescu, M. Miculescu, E. Matei, **A.C. Mocanu**, I. Pencea, I. Csaki, T. Machedon-Pisu, L.T. Ciocan, *Induced wettability and surface-volume correlation of composition for bovine bone derived hydroxyapatite particles*, Applied Surface Science, 438, 2018, pp. 158-166, DOI: 10.1016/j.apsusc.2017.07.074, ISSN: 0169-4332; WOS: 000425731200017, **Q1, IF=7.392 (decembrie 2022).**
- Ris18.** F. Miculescu, **A.C. Mocanu**, C.A. Dascălu, A. Maidaniuc, D. Batalu, A. Berbecaru, S.I. Voicu, M. Miculescu, V. Kumar Thakur, L.T. Ciocan, *Facile synthesis and characterization of hydroxyapatite particles for high value nanocomposites and biomaterials*, Vacuum, 146, 2017, pp. 614-622, DOI: 10.1016/j.vacuum.2017.06.008, ISSN: 0042-207X; WOS:000416184600080, **Q2, IF=4.11 (decembrie 2022).**
- Ris19.** F. Miculescu, A. Purcaru, M. Miculescu, L. T. C iocan, S. I. Voicu, A. Maidaniuc, **A.C. Mocanu**, M. Branzei, *Hydroxyapatite induced microstructure by cooling rate modification of cancellous bone thermal treatment*, Journal of Optoelectronics and Advanced Materials, 17(7-8), 2015, pp. 1219-1224, ISSN: 1454-4164; WOS:000359967600048, **Q4, IF=0.587 (decembrie 2022).**

R2. Articole în reviste indexate ISI Thomson Reuters

- Ris20.** **A.C. Mocanu**, F. Miculescu, G.E. Stan, R.C. Ciocoiu, M.C. Corobea, M. Miculescu, L.T. Ciocan, *Preliminary Studies on Graphene-Reinforced 3D Products Obtained by the One-Stage Sacrificial Template Method for Bone Reconstruction Applications*, Journal of Functional Biomaterials, 12(1), 2021, Article Number 13, DOI: 10.3390/jfb12010013, eISSN: 2079-4983; WOS:000633127900001.
- Ris21.** F. Miculescu, C. Lută, A.E. Constantinescu, A. Maidaniuc, **A.C. Mocanu**, M. Miculescu, S.I. Voicu, L.T. Ciocan, *Considerations and Influencing Parameters in EDS Microanalysis of Biogenic Hydroxyapatite*, Journal of Functional Biomaterials, 11, 2020, pp. 82, DOI: 10.3390/jfb11040082, eISSN 2079-4983; WOS:000601502900001.
- Ris22.** **A.C. Mocanu**, A.F. Dobre, C.A. Dascălu, A. Maidaniuc, A. Er nuțeanu, M. Soare, R. Zamfir, D. Gheorghe, A. Saceleanu, V. Saceleanu, *Extensive Quality Control Sequence For Non-Destructive Characterization Of Implants For Dental Restorations*, UPB Scientific Bulletin, Series B: Chemistry and Materials Science, 81, 2019, pp. 225-238, ISSN: 1454-2331; WOS: 000487213500020.
- Ris23.** C. Luta, M. Soare, **A.C. Mocanu**, A. Maidaniuc, A. Ernuteanu, F. Miculescu, *Comprehensive non-destructive testing of metallic implants for orthopedic applications*, UPB Scientific Bulletin, Series B: Chemistry and Materials Science, 80, 2018, pp. 171-186, ISSN: 1454-2331; WOS:000440890800014.
- Ris24.** A. Maidaniuc, F. Miculescu, **A.C. Mocanu**, S.I. Voicu, M. Miculescu, A. Purcaru, A. Muhuleț, C. Pop, M.E. Rada, *Sinterability study of bovine-derived hydroxyapatite and silver microcomposites*, UPB Scientific Bulletin, Series B: Chemistry and Materials Science, 79(1), 2017, pp. 145-154, ISSN: 1454-2331; WOS:000405772200015.

R3. Articole în reviste de specialitate de circulație internațională recunoscute (indexate în alte Baze de Date Internationale - BDI specifice domeniului)

- Risb1.** F. Miculescu, L.T. Ciocan, M. Miculescu, **A.C. Mocanu**, A. Maidaniuc, A. Purcaru, O. Preda, *Micro-analytical comparison on elemental composition of nonstoichiometric bovine bone derived hydroxyapatite*, Key Engineering Materials, 2014, 638, pp. 3 -7, DOI: 10.4028/www.scientific.net/KEM.638.3, Document Type: Conference Paper, ISSN: 10139826 ISBN: 978-303835432-1.x, Indexat SCOPUS.

IV. BREVETE DE INVENȚIE / INOVAȚII (B, A)

B – Brevete de invenție

- B1.** Brevet de invenție Nr. 135807 “*Procedeu de obținere a unui produs pentru reconstrucția defectelor osoase, pe bază de hidroxiapatită și fosfat de calciu bifazic biogen*”, F. Miculescu, A.C. Mocanu, G. Stan, I.V. Antoniac, M.C. Costoiu, Ș.I. Voicu, M. Miculescu, I.M. Mateș, A. Semenescu.

V. CONTRACTE ȘI RAPOARTE ȘTIINȚIFICE (P, F)

P – Proiecte de cercetare-dezvoltare-inovare câștigate prin competiție, pe bază de contract/grant

Pn – Proiecte naționale – Director proiect

- Pn1.** Contract GNAC ARUT 2023 Nr. 82/2023, “Tehnologie de obținere a unor produse implantabile printate 3D din compozite cu adaos de antibiotic”, CompoBio3DP (27 luni).

Pnc – Proiecte naționale – Membru în colectivul de lucru

- Pnc1.** Contract PN-III-P2-2.1-PED-2021-1650, PED Nr. 583PED/2022, “Tehnologie nouă pentru fabricarea de implanturi din filamente compozite ranforsate și printabile 3D pentru regenerarea osoasă ghidată”, BoneGapFill (24 luni), Director proiect: Florin Miculescu.
- Pnc2.** Contract PN-III-P2-2.1-PED-2016-0892, PED Nr. 108PED/2017, “O nouă tehnologie pentru sinteza și fabricarea implanturilor biomimetice derivate din surse biogene utilizate pentru chirurgia reconstructivă osoasă”, BioImMS (18 luni), Director proiect: Florin Miculescu.
- Pnc3.** Contract PN-II-RU-TE-2014-4-0590, TE Nr. 297/2015 “Integrated technology for custom-made biomimetic implants development used for major bone defects reconstruction”, BioMimBone (24 luni), Director proiect: Florin Miculescu.

VI. COMUNICĂRI ȘTIINȚIFICE NEPUBLICATE (E)

E – Lucrări prezentate la conferințe

- E1.** F. Miculescu, L.T. Ciocan, M. Miculescu, A.C. Mocanu, A. Maidaniuc, A. Purcaru, O. Preda, Micro-analytical comparison on elemental composition of nonstoichiometric bovine bone derived hydroxyapatite, The 6th International Conference “Biomaterials, Tissue Engineering & Medical Devices” – BiomMedD’2014, 17-20 Septembrie, Constanța, România.
- E2.** F. Miculescu, A. Purcaru, M. Miculescu, L.T. Ciocan, S.I. Voicu, A. Maidaniuc, A.C. Mocanu, M. Branzei, Hydroxyapatite induced microstructure by cooling rate modification of cancellous bone thermal treatment, The 9th International Conference on Materials Science and Engineering – BraMat2015, 5-7 Martie, Brașov, România.
- E3.** F. Miculescu, A. Maidaniuc, L.T. Ciocan, M. Miculescu, E. Matei, A.C. Mocanu, A. Berbecaru, Particle size influence in compositional analysis of bovine bone derived products BIOREMED 2015 – The International Seminar on Biomaterials& Regenerative Medicine, 17-20 Septembrie, Oradea, România.
- E4.** A.C. Mocanu, S.I. Voicu, A. Maidaniuc, M. Miculescu, L.T. Ciocan, C.A. Dascălu, A. Berbecaru, F. Miculescu, Synthesis technology and preliminary characterization of marble type precursors-derived hydroxyapatite as bone substituent, The 7th International Conference “Biomaterials, Tissue Engineering & Medical Devices” – BiomMedD’2016, 15-17 Septembrie, Constanța, România.
- E5.** A.C. Mocanu, S.I. Voicu, A. Maidaniuc, M. Miculescu, L.T. Ciocan, C.A. Dascălu, A. Berbecaru, F. Miculescu, Conversion procedure and preliminary characterization of Mytilus galloprovincialis seashell-derived ceramics as bone substitute, RoMat 2016 – The 6th International Conference on Materials Science and Technologies, 9-12 Noiembrie, București, România.

- E6. M. Soare, **A.C. Mocanu**, M.V. Predoi, D. Predoi, C.S. Ciobanu, Ultrasonic spectroscopy characterization of iron oxide nanoparticles suspensions, RoMat 2016 – The 6th International Conference on Materials Science and Technologies, 9-12 Noiembrie, București, România.
- E7. F. Miculescu, **A.C. Mocanu**, G. Stan, S.I. Voicu, M. Miculescu, A. Maidaniuc, A. Cîmpean, V. Mitran,, T. Machedon-Pisu, Influence of the modulated two-step synthesis of biogenic hydroxyapatite on biomimetic products` surface, Bramat 2017 - 10th International Conference on Materials Science & Engineering, 8-11 Martie, Brașov, România.
- E8. A. Maidaniuc, S.I.Voicu, M. Miculescu, C. Andronescu, E.Matei, **A.C. Mocanu**, I. Pencea, I. Csaki, T. Machedon-Pisu, F. Miculescu, Induced wettability and surface-volume correlation of composition for bovine bone derived hydroxyapatite particles, Bramat 2017 - 10th International Conference on Materials Science & Engineering, 8-11 Martie, Brașov, România.
- E9. M. Soare, **A.C. Mocanu**, C. Iordache, M.V. Predoi, D. Predoi, C.S. Ciobanu, Development of broadband ultrasonic spectroscopy for colloidal suspensions characterization, Bramat 2017 - 10th International Conference on Materials Science & Engineering, 8-11 Martie, Brașov, România.
- E10. F. Miculescu, **A.C. Mocanu**, S.I. Voicu, G.E. Stan, M. Miculescu, Two-Step Wet Chemical Synthesis of Calcium Phosphates from Mediterranean Mussel Shells and White Dolomitic Marble, ESB 2017 - 28th Annual Conference of the European Society for Biomaterials, 4-8 Septembrie, Atena, Grecia.
- E11. A.Savin, M.L. Craus, V. Turchenko, F. Novy, **A.C. Mocanu**, M. Soare, J. Grum, O.S. Doroshkevich, Monitoring techniques of yttria stabilized zirconia used as thermal barrier coating, ICNDT 2017 - 14th International Conference "Application of Contemporary Non-destructive testing in Engineering", 4-6 Septembrie, Portorož, Slovenia.
- E12. A. Maidaniuc, M. Miculescu, S.I. Voicu, R.C. Ciocoiu, **A.C. Mocanu**, F. Miculescu, Hydroxyapatite and silver microcomposites with improved mechanical characteristics, RoPM-AM 2017 - 5th International Conference on Powder Metallurgy & Advanced Materials, 17-20 Septembrie, Cluj-Napoca, România.
- E13. **A.C. Mocanu**, A. Maidaniuc, C.A. Dascălu, M. Miculescu, F. Miculescu, Study on experimental and image analysis complementarity as additional tool for characterizing biogenic calcium phosphates morphology, BIOREMED 2017 - The International Seminar on Biomaterials and Regenerative Medicine, 5-7 Octombrie, Timișoara, România.
- E14. A. Maidaniuc, **A.C. Mocanu**, C.A. Dascălu, M. Miculescu, S.I. Voicu, F. Miculescu, Effect of sintering time on the particle interconnection of bovine bone derived hydroxyapatite powders, BIOREMED 2017 - The International Seminar on Biomaterials and Regenerative Medicine, 5-7 Octombrie, Timișoara, România,
- E15. C. Luta, M. Soare, **A.C. Mocanu**, A. Maidaniuc, A. Ernuteanu, F. Miculescu, Comprehensive nondestructive testing on metallic implants destined for orthopedic applications, BIOREMED 2017 - The International Seminar on Biomaterials and Regenerative Medicine, 5-7 Octombrie, Timișoara, România.
- E16. A.F. Dobre, M. Soare, **A.C. Mocanu**, A. Maidaniuc, A. Ernuteanu, F. Miculescu, Study on morphological and geometrical features of metallic implants designed for dental restorations, BIOREMED 2017 - The International Seminar on Biomaterials and Regenerative Medicine, 5-7 Octombrie, Timișoara, România.
- E17. M. Soare, **A.C. Mocanu**, C. Iordache, M.V. Predoi, D. Predoi, Development of broadband ultrasonic spectroscopy for colloidal suspensions characterization, BIOREMED 2017 - The International Seminar on Biomaterials and Regenerative Medicine, 5-7 Octombrie, Timișoara, România,
- E18. **A.C. Mocanu**, A. Maidaniuc, C.A. Dascalu, T.M. Butte, M. Miculescu, S.I. Voicu, F. Miculescu, Progressive conversion of marine and terrestrial bioresources into biomimetic calcium phosphates, SCDS-UDJG 2018 – The 6th Edition of Scientific Conference of Doctoral Schools of “Dunarea de Jos” University of Galati, 7-8 Iunie, Galați, România.

- E19.** C.A. Dascalu, **A.C. Mocanu**, A. Maidaniuc, T.M. Butte, M. Miculescu, S.I. Voicu, F. Miculescu, Composite membranes modified with bovine bone bioceramics for biomedical applications, SCDS-UDJG 2018 – The 6th Edition of Scientific Conference of Doctoral Schools of “Dunarea de Jos” University of Galati, 7-8 Iunie, Galați, România.
- E20.** A. Maidaniuc, **A.C. Mocanu**, C.A. Dascalu, T.M. Butte, M. Miculescu, F. Miculescu, Research and studies regarding tridimensional structures based on powdered hydroxyapatite-based materials for bone reconstruction, SCDS-UDJG 2018 – The 6th Edition of Scientific Conference of Doctoral Schools of “Dunarea de Jos” University of Galati, 7-8 Iunie, Galați, România.
- E21.** **A.C. Mocanu**, I.V. Antoniac, A. Maidaniuc, M. Miculescu, C.A. Dascălu, G.E. Stan, F. Miculescu, Influence of synthesis set-up on seashell derived-calcium phosphates composition and complementary morphological image processing, The 8th International Conference “Biomaterials, Tissue Engineering & Medical Devices” – BiomMedD’2018, 27-29 Septembrie, Cluj-Napoca, România.
- E22.** C.A. Dascălu, **A.C. Mocanu**, A. Maidaniuc, A.M. Pandele, S.I. Voicu, F. Miculescu, The importance of hydroxyapatite route synthesis from bovine bone origin on composite materials used in guided bone regeneration, BiomMedD’2018 – The 8th International Conference “Biomaterials, Tissue Engineering & Medical Devices”, 27-29 Septembrie, Cluj-Napoca, România.
- E23.** L.M. Boldu, T.M. Butte, A. Maidaniuc, R.C. Ciocoiu, G.E. Stan, **A.C. Mocanu**, F. Miculescu, Effect of calcination temperature on the morphology and composition of fish derived-calcium phosphates, BiomMedD’2018 – The 8th International Conference “Biomaterials, Tissue Engineering & Medical Devices”, 27-29 Septembrie, Cluj-Napoca, România.
- E24.** M. Soare, **A.C. Mocanu**, C. Iordache, A. Ernuteanu, A. Savin, Preliminary evaluation of Yttria stabilized-ceramic sandwich coatings and stainless-steel interfaces for orthopedic applications by ultrasonic imaging and spectroscopy, BiomMedD’2018 – The 8th International Conference “Biomaterials, Tissue Engineering & Medical Devices”, 27-29 Septembrie, Cluj-Napoca, România.
- E25.** **A.C. Mocanu**, M. Miculescu, A. Maidaniuc, C.A. Dascălu, I.V. Antoniac, G.E. Stan, F. Miculescu, Study on conversion methodology for dolomitic marble derived-calcium phosphates and complementary image processing, RoMat 2018 – The 7th International Conference on Materials Science and Technologies, 15-18 Noiembrie, București, România.
- E26.** C.A. Dascalu, **A.C. Mocanu**, A. Maidaniuc, G.E. Stan, A.M. Pandele, S.I. Voicu, F. Miculescu, The influence of hydroxyapatite addition on the structure of composite materials used in guided bone regeneration, RoMat 2018 – The 7th International Conference on Materials Science and Technologies, 15-18 Noiembrie, București, România.
- E27.** M. Soare, **A.C. Mocanu**, C. Iordache, A. Maidaniuc, F. Miculescu, Complementary broadband ultrasonic spectroscopy evaluation of naturally derived-calcium phosphates, RoMat 2018 – The 7th International Conference on Materials Science and Technologies, 15-18 Noiembrie, București, România.
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Semnătura,
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