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Facultatea: Chimie Aplicată și Știința Materialelor
Departamentul: Știința și Ingineria Materialelor Oxidice și Nanomateriale

Lista lucrărilor științifice și alte rezultate relevante pentru aprecierea activității științifice

A. Teza de doctorat

1. **I. A. Neacsu**, *Biomateriale pentru regenerare tisulară*, Universitatea Politehnica din București, București, **2019**, coordonator științific Prof. Dr. Ing. Ecaterina Andronescu, **O.M 5644/30.12.2019**.

B. Cărți și capitole în cărți

1. **I. A. Neacsu**, A. I. Nicoară, O. R. Vasile, and B. S. Vasile, "Chapter 9 - Inorganic micro- and nanostructured implants for tissue engineering" in *Nanobiomaterials in Hard Tissue Engineering*: William Andrew Publishing, 2016, pp. 271-295.

C. Lucrări indexate ISI/BDI publicate Ca autor principal

1. Dumitru, C.D., **Neacsu, I.A.***, Grumezescu, A.M. and Andronescu, E., Bee-Derived Products: Chemical Composition and Applications in Skin Tissue Engineering. *Pharmaceutics* 2022, 14(4), 750; <https://doi.org/10.3390/pharmaceutics14040750> **FI 6.321 (Q1)**
2. C.R. Dumitrescu, **I.A. Neacsu***, V.A. Surdu, A.I. Nicoara, C.I. Codrea, C.E. Pop, R. Trusca, E. Andronescu, Maturation of hydroxyapatite from biogenic calcium source – a comparative study, *U.P.B. Sci. Bull., Series B*, Vol. 84, Iss. 1, 2022.
3. Radulescu, D.E., **Neacsu, I.A.***, Grumezescu, A.M. and Andronescu, E., Novel Trends into the Development of Natural Hydroxyapatite-Based Polymeric Composites for Bone Tissue Engineering. *Polymers* 2022, 14(5), 899. <https://doi.org/10.3390/polym14050899> **FI 4.329 (Q1)**
4. Radulescu, D.-M.; **Neacsu, I.A.***; Grumezescu, A.-M.; Andronescu, E. New Insights of Scaffolds Based on Hydrogels in Tissue Engineering. *Polymers* 2022, 14, 799. <https://doi.org/10.3390/polym14040799> **FI 4.329 (Q1)**
5. **I.A. Neacsu**, L. Matei, A.C. Birca, A.I. Nicoara, V.L. Ene, L.D. Dragu, A. Ficai, C. Bleotu, E. Andronescu, Curcumin - hydroxyapatite systems used for bone cancer treatment. *Rev. Romana Mater./ Rom. J. Mater.* 51(4), 505-513, 2021. WOS:000735439000004 **FI 0.542**
6. C.R. Dumitrescu, **I.A. Neacsu***, V.A. Surdu, A.I. Nicoara, F. Iordache, R. Trusca, L.T. Ciocan, A. Ficai, E. Andronescu, Nano-Hydroxyapatite vs. Xenografts: Synthesis, Characterization, and In Vitro Behavior. *Nanomaterials*, 11(9), p.2289, 2021, WOS:000701400300001 **FI 5.076 (Q1)**

7. **I.A. Neacsu**, S.-A. Leau, S. Marin, A.M. Holban, B.-S. Vasile, A.-I. Nicoara, V.L. Ene, C. Bleotu, M.G. Albu Kaya, A. Ficai, „Collagen-Carboxymethylcellulose Biocomposite Wound-Dressings with Antimicrobial Activity” *Materials* 2021, 14, 1153, doi: 10.3390/ma14051153, WOS: 000628385900001, **FI 3.623 (Q1)**
8. **I. A. Neacsu**, A.P. Serban, A.I. Nicoara, R. Trusca, V.L. Ene, F. Iordache, “Biomimetic Composite Scaffold Based on Naturally Derived Biomaterials” *Polymers*, 12(5), p.1161, 2020, doi: 10.3390/polym12051161, WOS:000541431100166, **FI 4.329 (Q1)**
9. V. L. Ene, **I. A. Neacsu***, O. Oprea, V. A. Surdu, R. D. Trusca, A. Ficai, and E. Andronescu, "Single Step Synthesis of Glutamic/tartaric Acid-stabilised Fe₃O₄ Nanoparticles for Targeted Delivery Systems" *Revista de Chimie*, vol. 71, no. 2, pp. 230-238, 2020, doi: 10.37358/rc.20.2.7920, ISSN: 0034-7752. **FI 1.605**
10. **I. A. Neacsu**, L. V. Arsenie, R. Trusca, I. L. Ardelean, N. Mihailescu, I. N. Mihailescu, C. Ristoscu, C. Bleotu, A. Ficai, and E. Andronescu, "Biomimetic Collagen/Zn(2+)-Substituted Calcium Phosphate Composite Coatings on Titanium Substrates as Prospective Bioactive Layer for Implants: A Comparative Study Spin Coating vs. MAPLE" *Nanomaterials (Basel)*, vol. 9, no. 5, 2019, doi: 10.3390/nano9050692, WOS:000526090400170, **FI 5.076(Q1)**
11. **I. A. Neacsu**, A. E. Stoica, B. S. Vasile, and E. Andronescu, "Luminescent Hydroxyapatite Doped with Rare Earth Elements for Biomedical Applications" *Nanomaterials (Basel)*, vol. 9, no. 2, 2019, doi: 10.3390/nano9020239, WOS:000460806700108, **FI 5.076(Q1)**
12. **I. A. Neacsu**, A. E. Melente, A. M. Holban, A. Ficai, L. M. Ditu, C. M. Kamerzan, B. M. Tihauan, A. I. Nicoara, M. C. Chifiriuc, and G. Pircalabioru, "Novel hydrogels based on collagen and ZnO nanoparticles with antibacterial activity for improved wound dressings" *Romanian Biotechnological Letters*, vol. 24, no. 2, pp. 317-323, 2019, doi: 10.26327/RBL2018.239, WOS:000466974000015, **FI 0.59 (Q4)**
13. B. S. Vasile, O. R. Vasile, D. C. Ghitulica, F. C. Ilie, I. F. Nicoara, R. Trusca, O. C. Oprea, V. A. Surdu, and **I. A. Neacsu***, "Eu³⁺-doped ZnO nanostructures: advanced characterizations, photoluminescence and cytotoxic effect", *Rom J Morphol Embryol*, Article vol. 58, no. 3, pp. 941-952, 2017, WOS:000419089600028, **FI 1.5 (Q4)**
14. A. I. Nicoara, **I. A. Neacsu***, V. L. Ene, B. S. Vasile, A. Ficai, and E. Andronescu, "Hydroxyapatite/Carbon Based Biocomposite Scaffolds as Prospective Materials for Bone Tissue Engineering" *UPB Sci. Bull. Ser. B Chem. Mater. Sci*, vol. 81, pp. 107-120, 2019, indexat ISI, WOS:000501994100011.

Co- autor

1. Chircov, C.; Matei, M.-F.; **Neacsu, I.A.**; Vasile, B.S.; Oprea, O.-C.; Croitoru, A.-M.; Truşcă, R.-D.; Andronescu, E.; Sorescu, I.; Bărbuceanu, F. Iron Oxide–Silica Core–Shell Nanoparticles Functionalized with Essential Oils for Antimicrobial Therapies. *Antibiotics* 2021, 10, 1138, **FI 4.639**.
2. Vasile, B.S., Dobra, G., Iliev, S., Cotet, L., **Neacsu, I.A.**, Nicoara, A.I., Surdu, V.A., Boiangiu, A. and Filipescu, L., Thermally Activated Al(OH)₃: Part I—Morphology and Porosity Evaluation. *Ceramics*, 4(2) (2021): 265-277.
3. Vasile, B.S., Dobra, G., Iliev, S., Cotet, L., **Neacsu, I.A.**, Surdu, V.A., Nicoara, A.I., Boiangiu, A. and Filipescu, L., 2021. Thermally Activated Al(OH)₃: Part II—Effect of Different Thermal Treatments." *Ceramics* 4(4) (2021): 564-575.
4. M. V. Ciocilteu, O. L. Filip, C. Valentin, O. E. Nicolaescu Manda, **I. A. Neacsu**, A. Ficai, I. M. Buzatu, C. Nicolicescu, O. Croitoru, J. Neamţu. "Physico-chemical characterization and antibacterial activity of a controlled collagen-hydroxyapatite-ciprofloxacin release system" *FARMACIA* 68, no. 6 (2020): 1055-1061, **FI 1.607**.
5. B. S. Vasile, A. C. Birca, V. A. Surdu, **I. A. Neacsu**, and A. I. Nicoara, "Ceramic Composite Materials Obtained by Electron-Beam Physical Vapor Deposition Used as Thermal Barriers in the Aerospace Industry" *Nanomaterials (Basel)*, vol. 10, no. 2, 2020, doi: 10.3390/nano10020370, WOS:000522456300189, **FI 4.324 (Q2)**
6. A. I. Nicoara, A.E. Stoica, D.I. Ene, B.S. Vasile, A.M. Holban, **I.A. Neacsu**, "In Situ and Ex Situ Designed Hydroxyapatite: Bacterial Cellulose Materials with Biomedical Applications" *Materials*, 13(21), p.4793, 2020. doi: 10.3390/ma13214793, **FI 3.623 (Q2)**
7. A. I. Nicoara, V. L. Ene, B. B. Voicu, M. A. Bucur, **I. A. Neacsu**, B. S. Vasile, and F. Iordache, "Biocompatible Ag/Fe-Enhanced TiO₂ Nanoparticles as an Effective Compound in Sunscreens" *Nanomaterials*, vol. 10, no. 3, 2020, doi: 10.3390/nano10030570, WOS:000526090400170, **FI 4.324 (Q2)**
8. M. Busila, A. Tabacaru, V. Musat, B. S. Vasile, **I. A. Neacsu**, T. Pinheiro, C. Roma-Rodrigues, P. V. Baptista, A. R. Fernandes, A. P. Matos, and F. Marques, "Size-Dependent Biological Activities of Fluorescent Organosilane-Modified Zinc Oxide Nanoparticles" *J. Biomed. Nanotechnol.*, vol. 16, no. 2, pp. 137-152, 2020, doi: 10.1166/jbn.2020.2882, WOS:000524973800001, **FI 5.068 (Q1)**
9. A. F. Vladu, S. Marin, **I. A. Neacsu**, R. D. Trusca, M. G. A. Kaya, D. A. Kaya, A. M. Popa, C. Poiana, I. Cristescu, C. Orlov, D. Ficai, A. Ficai, D. I. Udeanu, B. S. Velescu, T. K. Nikolouzakis, L. Gurevich, A. N. Kuskov, C. Nitipir, "Spongy Fillers Based on Collagen – Hydroxyapatite

- Eugenol Acetate with Therapeutic Potential in Bone Cancer" *Farmacia*, vol. 68, no. 2, pp. 313-321, 2020, doi: 10.31925/farmacia.2020.2.17, WOS:000527105400017, **FI 1.527 (Q4)**
10. A. Paduraru, C. Ghitulica, R. Trusca, V. A. Surdu, **I. A. Neacsu**, A. M. Holban, A. C. Birca, F. Iordache, and B. S. Vasile, "Antimicrobial Wound Dressings as Potential Materials for Skin Tissue Regeneration" *Materials (Basel)*, vol. 12, no. 11, 2019, doi: 10.3390/ma12111859, WOS:000472638600133, **FI 3.057 (Q2)**
11. O. Ionescu, M. V. Ciocilteu, C. V. Manda, **I. A. Neacsu**, A. Ficai, E. Amzoiu, A. T. Stiolica, O. Croitoru, and J. Neamtu, "Bone - Graft Delivery Systems of Type PLGA-gentamicin and Collagen - hydroxyapatite - gentamicine" *Mater. Plast.*, vol. 56, no. 3, pp. 534-537, 2019, WOS:000487764000013, **FI 1.393 (Q4)**
12. Croitoru, O. Oprea, A. Nicoara, R. Trusca, M. Radu, **I. A. Neacsu**, D. Ficai, A. Ficai, and E. Andronescu, "Multifunctional Platforms Based on Graphene Oxide and Natural Products" *Medicina (Kaunas)*, vol. 55, no. 6, 2019, doi: 10.3390/medicina55060230, WOS:000475303800015, **FI 1.467 (Q3)**
13. Andronescu, D. Predoi, **I. A. Neacsu**, A. V. Paduraru, A. M. Musuc, R. Trusca, O. Oprea, E. Tanasa, O. R. Vasile, A. I. Nicoara, A. V. Surdu, F. Iordache, A. C. Birca, S. L. Iconaru, and B. S. Vasile, "Photoluminescent Hydroxylapatite: Eu³⁺ Doping Effect on Biological Behaviour" *Nanomaterials*, vol. 9, no. 9, 2019, doi: 10.3390/nano9091187, WOS:000489101900004, **FI 5.076(Q1)**
14. Ghitulica, S. Stefan, O. R. Vasile, R. Trusca, **I. A. Neacsu**, and B. S. Vasile, "Porous ceramic support embedded with microorganisms used in water purification" *Romanian Journal of Materials*, vol. 49, no. 1, pp. 33-41, 2019, WOS:000461413500004, **FI 0.628 (Q4)**
15. O. R. Vasile, E. Andronescu, R. Truşcă, E. Vasile, A. M. Holban, M. C. Chifiriuc, F. Iordache, H. Maniu, C. Bleotu, **I. A. Neacsu**, and B. Vasile, "Structure-grain size-synthesis route of silver nanoparticles: a correlation with the cytotoxic effect" *Rom J Morphol Embryol*, vol. 60, no. 2, pp. 617-628, 2019, WOS:000493322700029, **FI 1.5 (Q4)**
16. C. Birca, **I. A. Neacsu**, O. R. Vasile, I. Ciuca, I. M. Vasile, M. A. Fayegeq, and B. S. Vasile, "Mg-Zn alloys, most suitable for biomedical applications", *Rom. J. Morphol. Embryol.*, vol. 59, no. 1, pp. 49-54, 2018, WOS:000438117200006, **FI 1.5 (Q4)**
17. S. A. Leau, S. Marin, G. Coara, L. Albu, R. R. Constantinescu, M. A. Kaya, and **I. A. Neacsu**, "Study of Wound-Dressing Materials Based on Collagen, Sodium Carboxymethylcellulose and Silver Nanoparticles Used for Their Antibacterial Activity in Burn Injuries" *Proceedings of the 7th International Conference on Advanced Materials and Systems*, pp. 123-128, 2018, doi: 10.24264/icams-2018.I.18, indexată ISI, WOS:000464905000018.

D. Lucrări neindexate ISI

1. V. L. Ene, **I. A. Neacsu***, B.S. Vasile, A. C. Birca, E. Andronescu, A. Ficai, Nanostructured magnetic materials used in cancer treatment, Annals – Series on Physics and Chemistry, Vol 4 no 2/2019, ISSN 2537 – 4761.
2. A. I. Nicoara, A. Croitoru, O. Oprea, **I. A. Neacsu**, E. Andronescu, Synthesis of photocatalysts based on graphene oxide and Fe₃O₄, Annals – Series on Physics and Chemistry, Vol 4 no 2/2019, ISSN 2537 – 4761.

E. Brevete obținute în întreaga activitate

1. C. Bleotu, L. D. Dragu, L. Matei, C. C. Diaconu, M. Chivu-Economescu, A. S. Zurac, A. I. Neagu, L. G. Necula, A. M. Holban, L. M. Ditu, M. C. Chifiriuc, V. Lazar, G. Gradisteanu, **I. A. Neacsu**, V.L. Ene, E. Andronescu, A. Ficai, C. Balas, C. Ciobanu, L. C. Irimia, *Procedeu de obținere a unor hidrogeluri compozite pe bază de collagen și nanoparticule de argint pentru prevenirea infecțiilor de plagă / Producing collagen and silver nanoparticle based composite hydrogel useful for preventing wound infections, by reducing silver ions in collagen gel in presence of reducing agents e.g. sodium borohydride, and crosslinking hydrogel*, **RO134197-A2, 2020**.

Distincții

Distincția de Onoare a Societății de Chimie din România, 2015, 2019

Șef de promoție al Universității Politehnica din București, promoția 2009-2013

Competiții Științifice și Sesiuni de Comunicări Studențești

Premiul III la Competiția "Unilever Engineers' League", Ploiești 2014

Premiul II la Sesiunea de Comunicări Studențești, Secția Știința și Ingineria Materialelor Oxidice și Nanomateriale, București 2013

Mențiune la Sesiunea de Comunicări Studențești, Secția Știința și Ingineria Materialelor Oxidice și Nanomateriale. București 2012

Premiul II la Sesiunea de Comunicări Studențești, Secția Chimie Fizică, București 2011

Premiul II la Sesiunea de Comunicări Studențești, Secția Chimie Organică, București 2011

Premiul I la Concursul Profesional de Chimie Anorganică și Analitică: „Petru Spacu” 2010

Olimpiade și concursuri

5 Mențiuni la Olimpiada de Chimie, Faza Națională, 2005 - 2009

Premiul II la Concursul de Chimie „Chimexpert”, Faza Națională, Satu Mare 2009

Premiul II la Concursul Național de Chimie Organică "George Ostrogovich", Timișoara 2008

Premiul III la Concursul Național de Chimie Organică "George Ostrogovich", Timișoara 2007

Premiul I la Concursul Național de Chimie Anorganică "Veronica Chiriac", Timișoara 2006

Membru al Lotului Național de Științe e pentru Juniori, 2005

Lucrări prezentate la conferințe naționale și internaționale - autor principal

1. Wound-Dressings with Antimicrobial Activity, **I A Neacsu**, A M Holban, B.-S. Vasile, V L Ene, C. Bleotu, M.G. Albu Kaya, A. Fikai, E Andronescu, A XIII-a Conferință de Știința și Ingineria Materialelor Oxidice – CONSILOX, Alba-Iulia, 2021
2. Biomateriale cu proprietăți antimicrobiene pentru regenerare tisulară, **I A Neacșu**, E. Andronescu, A. Fikai, B S Vasile, A. M. Holban, Aplicații ale chimiei în nanoștiințe și ingineria bionanomaterialelor, București, 2020.
3. Iron Oxide Nanoparticles Coated with Antitumor Bioactive Substances, **I A Neacșu**, E. Andronescu, National Scientific Conference - Academy of Romanian Scientists, Brasov, 2019.
4. Bioactive antimicrobial SiO₂-Ag modified wound-dressings, **I A Neacșu**, I C Croitorescu, V L Ene, R Trusca, B S Vasile, A M Holban, A C Birca, E Andronescu, 3rd Conference of Romanian Electron Microscopy Society (C.R.E.M.S. III), Poiana-Brasov, 2019
5. Biomimetic biocomposite based on Zn²⁺ doped hydroxyapatite for bone tissue engineering, **I A Neacșu**, L. V. Arsenie, R. Trușcă, I. L. Ardelean, N. Mihailescu, C. Bleotu, A. Fikai, E. Andronescu “XVI ECerS Conference”, Torino, Italia, 2019
6. Zn²⁺ doped hydroxyapatite – ZnO composites for prevention of osteoporosis, **I A Neacșu**, A I Ion, R Trușcă, A Holban, C Bleotu, E Andronescu, 12th International Conference on Physics of Advanced Materials (ICPAM-12), Creta, 2018
7. Leflunomide delivery for Rheumatoid arthritis therapy by folic acid- enhanced PEG-coated magnetic nanoparticles, **I A Neacșu**, P Medeșan, F Iordache, V L Ene, E Andronescu, A Fikai, NanoBio&Med2017 - Barcelona (Spania), Noiembrie 22-24, 2017.
8. Composite hydrogels based on collagen and oxide nanoparticles with antibacterial activity, **I. A. Neacșu**, A. M. Holban, M. C. Chifiriuc, V. A. Surdu, C. Bleotu, G. Grădișteanu, D. Gudovan, Romanian International Conference on Chemistry and Chemical Engineering, ediția a 20-a, 2017.
9. Microstructural studies on Collagen/Zn²⁺ doped calcium phosphate biocomposites for orthopaedic implants, **I A Neacșu**, L V Arsenie, V L Ene, A Holban, A Fikai, C.R.E.M.S. ediția a 2-a, Sinaia, 2017.
10. Oxide nanoparticles with antibacterial activity used in collagen based hydrogels, **I. A. Neacșu**, V. L. Ene, C. E. Pătrașcu, A. M. Holban, C.R.E.M.S. ediția a 2-a, Sinaia, 2017.
11. Antibacterial activity of silver doped ceramics, **I A Neacșu**, C Ghițulică, B Ș Vasile, R Trușcă, Congresul de Chimie EuCheMS, ediția a 5-a, 2014

12. A comparative study on the antibacterial activity of silver doped and undoped calcium phosphate ceramics and bioactive glass, **I A Neacșu**, C Ghițulică, B Ș Vasile, R Trușcă, Romanian International Conference on Chemistry and Chemical Engineering, ediția a 18-a, 2013
13. Polypyrrole nanocomposites with CdSe quantum dots, **I A Neacșu**, O Perederic, M Tudoran, Conferința Internațională Studenți pentru studenți, ediția a 8-a, 2011
14. Fluorescent lanthanide complexes involved in the mechanism of monoamine oxidase inhibitors, **I A Neacșu**, L Alexandrescu, Conferința Internațională Studenți pentru studenți, ediția a 7-a, 2010.

Lucrări prezentate la conferințe naționale și internaționale - coautor

1. Magnetite-silica core-shell nanoparticles functionalized with essential oils for antimicrobial therapies, Cristina Chircov, Maria-Florentina Matei, Ovidiu Oprea, Alexandru Mihai Grumezescu, Ionela Andreea Neacșu, Ecaterina Andronescu, Applications of Chemistry in Nanosciences and Biomaterials Engineering – NanoBioMat 2021.
2. Lead free alkali niobates nanopowders, Cristina Rodica Dumitrescu, Adrian Vasile Surdu, Adrian Ionut Nicoara, Ionela Andreea Neacsu, Roxana Trusca, Anton Ficai, Ecaterina Andronescu, Applications of Chemistry in Nanosciences and Biomaterials Engineering – NanoBioMat 2021.
3. Latest advances in calcium phosphate surface coatings for microbial biofilm modulation, Diana-Elena Radulescu, Ecaterina Andronescu, Alexandru-Mihai Grumezescu, Ionela-Andreea Neacsu, Vasile-Adrian Surdu, Otilia-Ruxandra Vasile, Applications of Chemistry in Nanosciences and Biomaterials Engineering – NanoBioMat 2021.
4. Future trends of scaffolds applied in tissue engineering, Denisa-Maria Radulescu, Ecaterina Andronescu, Alexandru-Mihai Grumezescu, Ionela-Andreea Neacsu, Adrian-Ionut Nicoara, Applications of Chemistry in Nanosciences and Biomaterials Engineering – NanoBioMat 2021.
5. Biomaterials based on bee products for dermal tissue regeneration, Corina-Dana Dumitru, Ecaterina Andronescu, Ionela-Andreea Neacșu, Alexandru Mihai Grumezescu, Denisa Ficai, Applications of Chemistry in Nanosciences and Biomaterials Engineering – NanoBioMat 2021.
6. Highly porous materials for wound healing, Daniela-Alina Ioniță, Ecaterina Andronescu, Ionela-Andreea Neacșu, Vasile-Adrian Surdu, Alexandru-Mihai Grumezescu, Applications of Chemistry in Nanosciences and Biomaterials Engineering – NanoBioMat 2021.
7. Black phosphorus in bone tissue engineering, Andra-Maria Sîrmon, Ecaterina Andronescu, Ionela-Andreea Neacșu, Vasile-Adrian Surdu, Alexandru-Mihai Grumezescu, Applications of Chemistry in Nanosciences and Biomaterials Engineering – NanoBioMat 2021.

8. Hap-Zn based biomaterials for bone tissue regeneration, Florina-Cristina Ilie (Marinescu), Ecaterina Andronescu, Ionela Andreea Neacsu, Vasile Adrian Surdu, Roxana Trusca, Applications of Chemistry in Nanosciences and Biomaterials Engineering – NanoBioMat 2021.
9. Fly ash evaluation as potential eol material replacement in cement pastes, Adrian-Ionuț Nicoara, Bogdan Ștefan Vasile, Vasile-Adrian Surdu, Vladimir Lucian Ene, Ionela Andreea Neacsu, Alexandra Elena Stoica, Ovidiu Oprea, Iulian Boierasu, Roxana Trusca, Mirijam Vrabec, Nastja Šmuc Rogan, Saso Sturm, Cleve Ow-Yang, Mehmet Ali Gulgun, Zeynep Basaran Bundur, Applications of Chemistry in Nanosciences and Biomaterials Engineering – NanoBioMat 2021.
10. In situ evaluation of fly ash as potential EOL material replacement in cement pastes, Bogdan Ștefan Vasile, Adrian-Ionuț Nicoara, Vasile-Adrian Surdu, Vladimir Lucian Ene, Ionela Andreea Neacsu, Alexandra Elena Stoica, Ovidiu Oprea, Iulian Boierasu, Roxana Trusca, Mirijam Vrabec, Nastja Šmuc Rogan, Saso Sturm, Cleve Ow-Yang, Mehmet Ali Gulgun, Zeynep Basaran Bundur, Applications of Chemistry in Nanosciences and Biomaterials Engineering – NanoBioMat 2021.
11. Synthesis and characterization of a multifunctional nanocomposite material based on magnetite and hydroxyapatite for bone cancer therapy, G. Dolete, A.M. Croitoru, A. Ficai, I.A. Neacșu, A.I. Nicoară, B.Ș. Vasile, R. Trușcă, E. Andronescu, International Chemical Engineering and Material Symposium SICHEM, București, 2020.
12. Multifunctional materials based on collagen and hydroxyapatite for bone tissue engineering, A. Ficai, D. Ficai, I.A. Neacșu, B.Ș. Vasile, R. Trușcă, E. Andronescu, Conferința științifică națională cu participare internațională “Învățământ Superior: Tradiții, Valori, Perspective”, Universitatea de Stat din Tiraspol, Chișinău, Republica Moldova, 2020.
13. Curcumin loaded Hydroxyapatite used for bone cancer treatment, O R Vasile, A Zmaranda, A I Nicoară, A Ficai, C Bleotu, I A Neacșu, E Andronescu, 12th International Conference on Physics of Advanced Materials (ICPAM-12), Creta, 2018.
14. Vancomycin loaded mesoporous silica in drug delivery systems, A I Nicoara, R G Nichita, I A Neacsu, A M Holban, C Bleotu, A Ficai, 12th International Conference on Physics of Advanced Materials (ICPAM-12), Creta, 2018.
15. Silver loaded PLA@Chitosan microspheres for medical applications, A C Birca, A I Cristina, C Bleotu, B S Vasile, I A Neacsu, I Ardelean, E Andronescu, 12th International Conference on Physics of Advanced Materials (ICPAM-12), Creta, 2018.
16. Study of wound-dressing materials based on collagen, sodium carboxymethylcellulose and silver nanoparticles used for their antibacterial activity in burn injuries, S A Leau, S Marin, G Coara, L Albu, R R Constantinescu, M Albu Kaya, I A Neacsu, ICAMS 2018 – 7th International Conference on Advanced Materials and Systems, București, 2018

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