



## Alexandra Cătălina BÎRCĂ

### □ EXPERIENȚA PROFESIONALĂ

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05/2017 – Prezent

**ASISTENT DE CERCETARE ȘTIINȚIFICĂ** – CENTRUL DE CERCETĂRI AVANSATE PENTRU MATERIALE, PRODUSE ȘI PROCESE INOVATIVE - CAMPUS, UNIVERSITATEA POLITEHNICA DIN BUCUREȘTI, București, România

### □ EDUCAȚIE ȘI FORMARE PROFESIONALĂ

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10/2019 – În curs

**DOCTORAND** – ȘCOALA DOCTORALĂ DE INGINERIE CHIMICĂ ȘI BIOTEHNOLOGII, UNIVERSITATEA POLITEHNICA DIN BUCUREȘTI

București, România

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06/2019

**DIPLOMĂ DE MASTER** – BIOMATERIALS FOR TISSUE ENGINEERING, FACULTATEA DE INGINERIE ÎN LIMBI STRĂINE, UNIVERSITATEA POLITEHNICA DIN BUCUREȘTI

București, România

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06/2019

**DIPLOMĂ DE MASTER** – MATERIALE COMPOZITE AVANSATE CU DESTNAȚII SPECIALE, FACULTATEA DE CHIMIE APLICATĂ ȘI ȘTIINȚA MATERIALELOR, UNIVERSITATEA POLITEHNICA DIN BUCUREȘTI

București, România

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07/2017

**DIPLOMĂ DE LICENȚĂ** – LICENȚIAT ÎN ȘTIINȚE INGINEREȘTI APPLICATE, FACULTATEA DE INGINERIE MEDICALĂ, SPECIALIZAREA BIOMATERIALE ȘI DISPOZITIVE MEDICALE, UNIVERSITATEA POLITEHNICA DIN BUCUREȘTI

București, România

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2013

**DIPLOMA DE BACALAUREAT** – COLEGIUL NATIONAL MATEI BASARB, SPECIALIZAREA ȘTIINȚE ALE NATURII, PROFIL REAL

București, România

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## □ COMPETENȚE LINGVISTICE

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Limba maternă: ROMÂNĂ

Altă limbă:

ENGLEZĂ	COMPREHENSIUNE		VORBIT		SCRIS
	Comprehenșiune orală	Citit	Exprimare scrisă	Conversație	
	B2	B2	B2	B2	B2

## □ COMPETENȚE ORGANIZATORICE

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- Consecvență în îndeplinirea obiectivelor și verificarea strictă a controlului acțiunilor
- Corectitudine în luarea deciziilor în situații normale sau speciale
- Inițiativă și creativitate
- Adaptabilitate
- Lucru în echipă, cooperare

## □ COMPETENȚE DE COMUNICARE ȘI INTERPERSONALE

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- Abilități de comunicare scrisă și orală
- Capacitate de integrare în colectivul de muncă și de a dezvolta relații echilibrate cu colegii ➤ Comportament și conduită etică în timpul și în afara serviciului

## □ COMPETENȚE DOBÂNDITE LA LOCUL DE MUNCĂ

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- operarea echipamentelor de laborator pentru caracterizare fizico-chimică: XRD (X-ray Diffraction), FT-IR (Fourier Transform Infrared Microscopy), SEM (Scanning Electron Microscopy), DLS (Dynamic Light Scattering),
- operațiuni și protocoale efectuate în laboratorul de Biologie Celulară, operarea echipamentelor SpectraMax i3x Multi-Mode microplate reader, PCR (Polymerase chain reaction), Flow-Cytometry
- sinteza de materiale și materiale avansate prin metode îmbunătățite (Spin coating, synthWAVE microwave synthesis system)
- operarea softurilor de prelucrare a analizelor (Origin, Digital Micrograph, Image J)

1. Alexandra Cătălina Bîrcă, Chapter 7 - Uterus, Bioartificial Organs, LAP LAMBERT Academic Publishing, ISBN-13: 978-613-9-44476-2;
2. Alexandra Cătălina Bîrcă, Oana Gherasim, Valentina Grumezescu, Alexandru Mihai Grumezescu, Chapter 1 - Introduction in thermoplastic and thermosetting polymers, Materials for Biomedical Engineering: Thermoset and Thermoplastic Polymers, Elsevier, ISBN: 9780128168752;
3. Alexandra Cătălina Bîrcă, Chapter - Cancer stem cells, Engineered Biomaterials and Tissues, LAP LAMBERT Academic Publishing, ISBN-13: 978-620-0-47051-5;

## □ PUBLICAȚII ȘTIINȚIFICE

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1. Niculescu, AG., Mihaiescu, B., Birca, AC., Morosan, A., Munteanu, OM., Vasile, BS., Hadibarata, T., Istrati, D., Mihaiescu, DE., Grumezescu, AM.; *Fabrication and Advanced Imaging Characterization of Magnetic Aerogel-Based Thin Films for Water Decontamination*; GELS, Volume 10, Issue 6, 2024; 10.3390/gels10060394; WOS:001255959400001;
2. Niculescu, AG., Munteanu, OM., Bîrcă, AC., Morosan, A., Purcareaanu, B., Vasile, BS., Istrati, D., Mihaiescu, DE., Hadibarata, T., Grumezescu, AM.; *New 3D Vortex Microfluidic System Tested for Magnetic Core-Shell Fe<sub>3</sub>O<sub>4</sub>-SA Nanoparticle Synthesis*; Nanomaterials, Volume 14, Issue 11, 2024; 10.3390/nano14110902; WOS:001247009400001;
3. Birca, AC., Gherasim, O., Niculescu, AG., Grumezescu, AM., Vasile, BS., Mihaiescu, DE., Neacsu, IA., Andronescu, E., Trusca, R., Holban, AM., Hudita, A., Croitoru, GA.; *Infection-Free and Enhanced Wound Healing Potential of Alginate Gels Incorporating Silver and Tannylated Calcium Peroxide Nanoparticles*; International Journal of Molecular Sciences, Volume 25, Issue 10, 2024; 10.3390/ijms25105196; WOS:001232665600001;
4. Constantinescu, S., Niculescu, AG., Hudita, A., Grumezescu, V., Radulescu, D., Bîrcă, AC., Dorcioman, G., Gherasim, O., Holban, AM., Galateanu, B., Vasile, BS., Grumezescu, AM., Bolocan, A., Radulescu, R.; *Nanostructured Coatings Based on Graphene Oxide for the Management of Periprosthetic Infections*; International Journal of Molecular Sciences, Volume 25, Issue 4, 2024; 10.3390/ijms25042389; WOS:001168275600001;
5. Constantinescu, S., Niculescu, AG., Hudita, A., Grumezescu, V., Radulescu, D., Birca, AC., Irimiciuc, SA., Gherasim, O., Holban, AM., Galateanu, B., Oprea, OC., Ficai, A., Vasile, BS., Grumezescu, AM., Bolocan, A., Radulescu, R.; *Silver/Graphene Oxide Nanostructured Coatings for Modulating the Microbial Susceptibility of Fixation Devices Used in Knee Surgery*; International Journal of Molecular Sciences, Volume 25, Issue 1, 2024; 10.3390/ijms25010246; WOS:001140613200001;
6. Stoica, AE., Bîrcă, AC., Pitigoi, ML., Grumezescu, AM., Vasile, BS., Iordache, F., Ficai, A., Andronescu, E.; *Nanostructured Zinc Oxide for Wound Dressings*; University Politehnica of

7. Niculescu, AG., Morosan, A., Bîrca, AC., Gherasim, O., Oprea, OC., Vasile, BS., Purcoreanu, B., Mihaiescu, DE., Radulescu, M., Grumezescu, AM.; *Microwave-Assisted Silanization of Magnetite Nanoparticles Pre-Synthesized by a 3D Microfluidic Platform*; *Nanomaterials*, Volume 13, Issue 20, 2023; 10.3390/nano13202795; WOS:001095122300001;
8. Stoica, AE., Birca, AC., Mihaiescu, DE., Grumezescu, AM., Fikai, A., Herman, H., Cornel, B., Rosu, M., Gharbia, S., Holban, AM., Vasile, BS., Andronescu, E., Hermenean, AO.; *Biocompatibility and Antimicrobial Profile of Acid Usnic-Loaded Electrospun Recycled Polyethylene Terephthalate (PET)-Magnetite Nanofibers*; *Polymers*, Volume 15, Issue 15, 2023; 10.3390/polym15153282; WOS:001046333500001;
9. Bîrca, AC., Gherasim, O., Niculescu, AG., Grumezescu, AM., Neacsu, IA., Chircov, C., Vasile, BS., Oprea, OC., Andronescu, E., Stan, MS., Curutiu, C., Ditu, LM., Holban, AM.; *A Microfluidic Approach for Synthesis of Silver Nanoparticles as a Potential Antimicrobial Agent in Alginate-Hyaluronic Acid-Based Wound Dressings*; *International Journal of Molecular Sciences*, Volume 24, Issue 14, 2023; 10.3390/ijms241411466; WOS:001036215100001;
10. Burdusel, AC., Neacsu, IA., Birca, AC., Chircov, C., Grumezescu, AM., Holban, AM., Curutiu, C., Ditu, LM., Stan, M., Andronescu, E.; *Microwave-Assisted Hydrothermal Treatment of Multifunctional Substituted Hydroxyapatite with Prospective Applications in Bone Regeneration*; *Journal of Functional Biomaterials*, Volume 14, Issue 7, 2023; 10.3390/jfb14070378; WOS:001038744800001;
11. Chircov, C., Bîrca, AC., Danciulescu, LA., Neacsu, IA., Oprea, OC., Trusca, RD., Andronescu, E.; *Usnic Acid-Loaded Magnetite Nanoparticles-A Comparative Study between Synthesis Methods*; *Molecules*, Volume 28, Issue 13, 2023; 10.3390/molecules28135198; WOS:001031136000001;
12. Puiu, RA., Birca, AC., Grumezescu, V., Duta, L., Oprea, OC., Holban, AM., Hudita, A., Galateanu, B., Balaure, PC., Grumezescu, AM., Andronescu, E.; *Multifunctional Polymeric Biodegradable and Biocompatible Coatings Based on Silver Nanoparticles: A Comparative In Vitro Study on Their Cytotoxicity towards Cancer and Normal Cell Lines of Cytostatic Drugs versus Essential-Oil-Loaded Nanoparticles and on Their Antimicrobial and Antibiofilm Activities*; *Pharmaceutics*, Volume 15, Issue 7, 2023; 10.3390/pharmaceutics15071882; WOS:001038852100001;
13. Stoica, AE., Bîrca, AC., Gherasim, O., Fikai, A., Grumezescu, AM., Oprea, OC., Vasile, BS., Balta, C., Andronescu, E., Hermenean, AO.; *Electrospun Fibrous Silica for Bone Tissue Engineering Applications*; *Pharmaceutics*, Volume 15, Issue 6, 2023; 10.3390/pharmaceutics15061728; WOS:001019518300001;
14. Chircov, C., Minca, MA., Serban, AB., Birca, AC., Dolete, G., Ene, VL., Andronescu, E., Holban, AM.; *Zinc/Cerium-Substituted Magnetite Nanoparticles for Biomedical Applications*; *International Journal of Molecular Sciences*, Volume 24, Issue 7, 2023; 10.3390/ijms24076249;

- WOS:000969809300001;
15. Birca, AC., Chircov, C., Niculescu, AG., Hildegard, H., Balta, C., Rosu, M., Mladin, B., Gherasim, O., Mihaiescu, DE., Vasile, BS., Grumezescu, AM., Andronescu, E., Hermenean, AO.; *H2O2-PLA(Alg)(2)Ca Hydrogel Enriched in Matrigel((R)) Promotes Diabetic Wound Healing*; *Pharmaceutics*, Volume 15, Issue 3, 2023; 10.3390/pharmaceutics15030857; WOS:000958741600001;
  16. Chircov, C., Bejenaru, IT., Nicoara, AI., Birca, AC., Oprea, OC., Tihauan, B.; *Chitosan-Dextran Glycerol Hydrogels Loaded with Iron Oxide Nanoparticles for Wound Dressing Applications*; *Pharmaceutics*, Volume 14, Issue 12, 2022; 10.3390/pharmaceutics14122620; WOS:000904446300001;
  17. Chircov, C., Pirvulescu, DC., Birca, AC., Andronescu, E., Grumezescu, AM.; *Magnetite Microspheres for the Controlled Release of Rosmarinic Acid*; *Pharmaceutics*, Volume 14, Issue 11, 2022; 10.3390/pharmaceutics14112292; WOS:000881452000001;
  18. Florea, DA., Grumezescu, V., Birca, AC., Vasile, BS., Iosif, A., Chircov, C., Stan, MS., Grumezescu, AM., Andronescu, E., Chifiriuc, MC.; *Bioactive Hydroxyapatite-Magnesium Phosphate Coatings Deposited by MAPLE for Preventing Infection and Promoting Orthopedic Implants Osteointegration*; *Materials*, Volume 15, Issue 20, 2022; 10.3390/ma15207337; WOS:000873033300001;
  19. Chircov, C., Birca, AC., Vasile, BS., Oprea, OC., Huang, KS., Grumezescu, AM.; *Microfluidic Synthesis of -NH<sub>2</sub>- and -COOH-Functionalized Magnetite Nanoparticles*; *Nanomaterials*, Volume 12, Issue 18, 2022; 10.3390/nano12183160; WOS:000858786600001;
  20. Dolete, G., Purcareanu, B., Mihaiescu, DE., Ficai, D., Oprea, OC., Birca, AC., Chircov, C., Vasile, BS., Vasilievici, G., Ficai, A., Andronescu, E.; *A Comparative Loading and Release Study of Vancomycin from a Green Mesoporous Silica*; *Molecules*, Volume 27, Issue 17, 2022; 10.3390/molecules27175589; WOS:000851824100001;
  21. Florea, DA., Grumezescu, V., Birca, AC., Vasile, BS., Musat, M., Chircov, C., Stan, MS., Grumezescu, AM., Andronescu, E., Chifiriuc, MC.; *Design, Characterization, and Antibacterial Performance of MAPLE-Deposited Coatings of Magnesium Phosphate-Containing Silver Nanoparticles in Biocompatible Concentrations*; *International Journal of Molecular Sciences*, Volume 23, Issue 4, 2022; 10.3390/ijms23147910; WOS:000833833900001;
  22. Caciandone, M., Niculescu, AG., Grumezescu, V., Birca, AC., Ghica, IC., Vasile, BS., Oprea, O., Nica, IC., Stan, MS., Holban, AM., Grumezescu, AM., Anghel, I., Anghel, AG.; *Magnetite Nanoparticles Functionalized with Therapeutic Agents for Enhanced ENT Antimicrobial Properties*; *Antibiotics-Basel*, Volume 11, Issue 5, 2022; 10.3390/antibiotics11050623; WOS:000801444500001;
  23. Petrisor, G., Ficai, D., Motelica, L., Trusca, RD., Birca, AC., Vasile, BS., Voicu, G., Oprea, OC.,

- Semenescu, A., Fikai, A., Popitui, MI., Fierascu, I., Fierascu, RC., Radu, EL., Matei, L., Dragu, LD., Pitica, IM., Economescu, M., Bleotu, C.; *Mesoporous Silica Materials Loaded with Gallic Acid with Antimicrobial Potential*; *Nanomaterials*, Volume 12, Issue 10, 2022; 10.3390/nano12101648; WOS:000801625300001;
24. Caciandone, M., Niculescu, AG., Rosu, AR., Grumezescu, V., Negut, I., Holban, AM., Oprea, O., Vasile, BS., Birca, AC., Grumezescu, AM., Stan, MS., Anghel, AG., Anghel, I.; *PEG-Functionalized Magnetite Nanoparticles for Modulation of Microbial Biofilms on Voice Prosthesis*; *Antibiotics-basel*, Volume 11, Issue 1, 2022; 10.3390/antibiotics11010039; WOS:000760236900001;
25. Dolete, G., Fikai, D., Fikai, A., Birca, AC., Motelica, L., Trusca, R., Oprea, OC., Gheorghe, M., Andronescu, E.; *EX-SITU METHOD FOR FABRICATION OF NANOCOMPOSITE THICK-FILMS BASED ON MAGNETITE*; *UPB Scientific Bulletin Series B- Chemistry and Materials Science*, Volume 84, Issue 4, 2022; WOS:000897670000008;
26. Gherasim, O., Grumezescu, AM., Grumezescu, V., Andronescu, E., Negut, I., Birca, AC., Galateanu, B., Hudita, A.; *Bioactive Coatings Loaded with Osteogenic Protein for Metallic Implants*; *Polymers*, Volume 13, Issue 14, 2021; 10.3390/polym13244303; WOS:000737292000001;
27. Niculescu, AG., Birca, AC., Grumezescu, AM., *New Applications of Lipid and Polymer-Based Nanoparticles for Nucleic Acids Delivery*; *Pharmaceutics*, Volume 13, Issue 12, 2021; 10.3390/pharmaceutics13122053; WOS:000736888700001;
28. Zarif, ME., Yehia, SA., Bitu, B., Satulu, V., Vizireanu, S., Dinescu, G., Holban, AM., Marinescu, F., Andronescu, E., Grumezescu, AM., Birca, AC., Farcasiu, AT.; *Atmospheric Pressure Plasma Activation of Hydroxyapatite to Improve Fluoride Incorporation and Modulate Bacterial Biofilm*; *International Journal of Molecular Sciences*, Volume 22, Issue 23, 2021; 10.3390/ijms222313103; WOS:000741389000001;
29. Chircov, C., Birca, AC., Grumezescu, AM., Vasile, BS., Oprea, O., Nicoara, AI., Yang, CH., Huang, KS., Andronescu, E.; *Synthesis of Magnetite Nanoparticles through a Lab-On-Chip Device*; *Materials*, Volume 14, issue 9, 2021; 10.3390/ma14195906; WOS:000706518100001;
30. Spirescu, VA., Niculescu, AG., Slave, S., Birca, AC., Dorcioman, G., Grumezescu, V., Holban, AM., Oprea, OC., Vasile, BS., Grumezescu, AM., Nica, IC., Stan, MS., Andronescu, E.; *Anti-Biofilm Coatings Based on Chitosan and Lysozyme Functionalized Magnetite Nanoparticles*; *Antibiotics-Basel*, Volume 10, Issue 10, 2021; 10.3390/antibiotics10101269, WOS:000733985100001;
31. Spirescu, VA., Suhan, R., Niculescu, AG., Grumezescu, V., Negut, I., Holban, AM., Oprea, OC., Birca, AC., Vasile, BS., Grumezescu, AM., Bejenaru, LE., Mogosanu, GD., Bejenaru, C., Balaure, PC., Andronescu, E., Mogoanta, L.; *Biofilm-Resistant Nanocoatings Based on ZnO Nanoparticles and Linalool*; *Nanomaterials*, Volume 11, Issue 10, 2021; 10.3390/nano11102564; WOS:000713418000001;
32. Gheorghe, DC., Niculescu, AG., Birca, AC., Grumezescu, AM.; *Biomaterials for the Prevention of*

- Oral Candidiasis Development*; *Pharmaceutics*, Volume 13, Issue 6, 2021; 10.3390/pharmaceutics13060803; WOS:000667412200001;
33. Rayyif, SMI., Mohammed, HB., Curutiu, C., Birca, AC., Grumezescu, AM., Vasile, BS., Ditu, LM., Lazar, V., Chifiriuc, MC., Mihaescu, G., Holban, AM.; *ZnO Nanoparticles-Modified Dressings to Inhibit Wound Pathogens*; *Materials*, Volume 14, Issue 11, 2021; 10.3390/ma14113084; WOS:000660962700001;
34. Gheorghe, DC., Niculescu, AG., Birca, AC., Grumezescu, AM.; *Nanoparticles for the Treatment of Inner Ear Infections*; *Nanomaterials*, Volume 11, Issue 5, 2021; 10.3390/nano11051311; WOS:000657030100001;
35. Gherasim, O., Popescu, RC., Grumezescu, V., Mogosanu, GD., Mogoanta, L., Iordache, F., Holban, AM., Vasile, BS., Birca, AC., Oprea, OC., Grumezescu, AM., Andronescu, E.; *MAPLE Coatings Embedded with Essential Oil-Conjugated Magnetite for Anti-Biofilm Applications*; *Materials*, Volume 14, Issue 7, 2021; 10.3390/ma14071612; WOS:000638718000001;
36. Mohammed, HB., Rayyif, SMI., Curutiu, C., Birca, AC., Oprea, OC., Grumezescu, AM., Ditu, LM., Gheorghe, I., Chifiriuc, MC., Mihaescu, G., Holban, AM.; *Eugenol-Functionalized Magnetite Nanoparticles Modulate Virulence and Persistence in Pseudomonas aeruginosa Clinical Strains*; *Molecules*, Volume 26, Issue 8, 2021; 10.3390/molecules26082189; WOS:000644586200001;
37. Niculescu, AG., Chircov, C., Birca, AC., Grumezescu, AM.; *Nanomaterials Synthesis through Microfluidic Methods: An Updated Overview*; *Nanomaterials*, Volume 11, Issue 4, 2021; 10.3390/nano11040864; WOS:000643353500001;
38. Niculescu, AG., Chircov, C., Birca, AC., Grumezescu, AM.; *Fabrication and Applications of Microfluidic Devices: A Review*; *International Journal of Molecular Sciences*, Volume 22, Issue 4, 2021; 10.3390/ijms22042011; WOS:000623794700001;
39. Chircov, C., Birca, AC., Grumezescu, AM., Andronescu, E.; *Biosensors-on-Chip: An Up-to-Date Review*; *Molecules*, Volume 25, Issue 24, 2020; 10.3390/molecules25246013; WOS:000603256700001;
40. Gherasim, O., Puiu, RA., Birca, AC., Burdusel, AC., Grumezescu, AM.; *An Updated Review on Silver Nanoparticles in Biomedicine*; *Nanomaterials*, Volume 10, Issue 11, 2020; 10.3390/nano10112318; WOS:000593860500001;
41. Negut, I., Grumezescu, V., Grumezescu, AM., Birca, AC., Holban, AM., Urzica, I., Avramescu, SM., Galateanu, B., Hudita, A.; *Nanostructured Thin Coatings Containing Anthriscus sylvestris Extract with Dual Bioactivity*; *Molecules*, Volume 25, Issue 7, 2020; 10.3390/molecules25173866; WOS:000569733100001;
42. Vasile, BS., Birca, AC., Musat, MC., Holban, AM.; *Wound Dressings Coated with Silver Nanoparticles and Essential Oils for The Management of Wound Infections*; *Materials*, Volume 13, Issue 7, 2020; 10.3390/ma13071682; WOS:000529875600200;

43. Docea, AO., Calina, D., Buga, AM., Zlatian, O., Paoliello, MMB., Mogosanu, GD., Streba, CT., Popescu, EL., Stoica, AE., Birca, AC., Vasile, BS., Grumezescu, AM., Mogoanta, L.; *The Effect of Silver Nanoparticles on Antioxidant/Pro-Oxidant Balance in a Murine Model*; International Journal of Molecular Sciences, Volume 21, Issue 4, 2020; 10.3390/ijms21041233; WOS:000522524400060;
44. Vasile, BS., Birca, AC., Surdu, VA., Neacsu, IA., Nicoara, AI.; *Ceramic Composite Materials Obtained by Electron-Beam Physical Vapor Deposition Used as Thermal Barriers in the Aerospace Industry*; Nanomaterials, Volume 10, Issue 2, 2020; 10.3390/nano10020370; WOS:000522456300189;
45. Andronescu, E., Predoi, D., Neacsu, IA., Paduraru, AV., Musuc, AM., Trusca, R., Oprea, O., Tanasa, E., Vasile, OR., Nicoara, AI., Surdu, AV., Iordache, F., Birca, AC., Iconaru, SL., Vasile, BS.; *Photoluminescent Hydroxylapatite: Eu<sup>3+</sup> Doping Effect on Biological Behaviour*; Nanomaterials, Volume 9, Issue 9, 2019; 10.3390/nano9091187; WOS:000489101900004;
46. Grumezescu, V., Negut, I., Gherasim, O., Birca, AC., Grumezescu, AM., Hudita, A., Galateanu, B., Costache, M., Andronescu, E., Holban, AM.; *Antimicrobial applications of MAPLE processed coatings based on PLGA and lincomycin functionalized magnetite nanoparticles*; Applied Surface Science, Volume 484, Pages 587-599; 2019; 10.1016/j.apsusc.2019.04.112; WOS:000471830700065;
47. Paduraru, A., Ghitulica, C., Trusca, R., Surdu, VA., Neacsu, IA., Holban, AM., Birca, AC., Iordache, F., Vasile, BS.; *Antimicrobial Wound Dressings as Potential Materials for Skin Tissue Regeneration*; Materials, Volume 12, Issue 11, 2019; 10.3390/ma12111859; WOS:000472638600133;
48. Surdu, VA., Wang, YH., Birca, AC., Tanasa, E., Andronescu, E.; *Bismuth ferrite powders prepared by microwave-assisted hydrothermal method*; University Politehnica of Bucharest Scientific Bulletin Series B-Chemistry and Materials Science, Volume 81, Issue 4, Pages 3-14, 2019; WOS:000501994100001;
49. Birca, A.C., Neacsu, I.A., Vasile, O.R., Ciuca, I.O.N., Vasile, I.M., Fayege, M.A., Vasile, B.S.; *Mg-Zn alloys, most suitable for biomedical applications*, Romanian Journal of Morphology and Embryology, Volume 59, Issue 1, Pages 49-54, 2018; WOS:000438117200006;

Semnătură:

Data:

23.07.2024

