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P E R I O D I C E

A. Lucrări indexate ISI/BDI publicate

1. Zgura, I.; Badea, N.; Enculescu, M.; Maraloiu, V.-A.; **Ungureanu, C.**; Barbinta-Patrascu, M.-E. Burdock-Derived Composites Based on Biogenic Gold, Silver Chloride and Zinc Oxide Particles as Green Multifunctional Platforms for Biomedical Applications and Environmental Protection. *Materials* 2023, 16, 1153. <https://doi.org/10.3390/ma16031153>
2. M.-E. Barbinta-Patrascu , **C. Ungureanu** , N. Badea , S. M. Iordache, [Optical studies on human hair fibres treated with a natural extract of red tulip flowers](#), Optoelectronics and Advanced Materials - Rapid Communications, 16, 9-10, September-October 2022, pp.458-463 (2022), [OAM-RC :: Articles \(inoe.ro\)](#).
3. Fierascu, I. C., Fierascu, I., Baroi, A. M., **Ungureanu, C.**, Ortan, A., Avramescu, S. M., . . . Dinu-Parvu, C. E. (2022). Phytosynthesis of biological active silver nanoparticles using echinacea purpurea L. extracts. *Materials*, 15(20) doi:10.3390/ma15207327
4. Olaru, A. G., Butculescu, V., Dumitriu, C., Badea, N., Popescu, S., **Ungureanu, C.**, & Pirvu, C. (2022). Biopolymers as intermediate layers for amoxicillin grafting on antibacterial surface. *Surfaces and Interfaces*, 33 doi:10.1016/j.surfin.2022.102224
5. Penta, V., **Ungureanu, C.**, Stoian, A. B., & Pirvu, C. (2022). THE EFFECT OF INTRAORAL ELECTRICAL POTENTIAL ON candida albicans. [EFECTUL POTENȚIALULUI ELECTRIC INTRAORAL ASUPRA Candida albicans] *Revista Romana De Materiale/ Romanian Journal of Materials*, 52(2), 145-1
6. **Ungureanu, C.** (2022). Coatings with natural Products—One perspective on the challenges related to new coatings' development. *Coatings*, 12(7) doi:10.3390/coatings12070941
7. Ungureanu, C., Fierascu, I., & Fierascu, R. C. (2022). Sustainable use of cruciferous wastes in nanotechnological applications. *Coatings*, 12(6) doi:10.3390/coatings12060769
8. **Ungureanu, C.**, Tihan, G. T., Zgârian, R. G., Fierascu, I., Baroi, A. M., Răileanu, S., & Fierăscu, R. C. (2022). Metallic and metal oxides nanoparticles for sensing food Pathogens— An overview of recent findings and prospects. *Materials*, 15(15) doi:10.3390/ma15155374
9. Vizitiu, D. E., Sardarescu, D. I., Fierascu, I., Fierascu, R. C., Soare, L. C., **Ungureanu, C.**, . . . Pandelea, L. M. (2022). Grapevine plants management using natural extracts and phytosynthesized silver nanoparticles. *Materials*, 15(22) doi:10.3390/ma15228188
10. Barbinta-Patrascu, M. -, Gorshkova, Y., **Ungureanu, C.**, Badea, N., Bokuchava, G., Lazea-Stoyanova, A., . . . Petrovič, S. (2021). Characterization and antitumoral activity of biohybrids based on turmeric and silver/silver chloride nanoparticles. *Materials*, 14(16) doi:10.3390/ma14164726
11. Barbinta-Patrascu, M. E., Nichita, C., Badea, N., **Ungureanu, C.**, Bacalum, M., Zgura, I., . . . Antohe, S. (2021). Biophysical aspects of bio-nanosilver generated from urtica dioica leaves and vitis vinifera fruits' extracts. *Romanian Reports in Physics*, 73(1)

-
12. Fierascu, I., Fierascu, R. C., **Ungureanu, C.**, Draghiceanu, O. A., & Soare, L. C. (2021). Application of polypodiopsida class in nanotechnology—potential towards development of more effective bioactive solutions. *Antioxidants*, 10(5) doi:10.3390/antiox10050748
13. Gorshkova, Y., Barbinta-Patrascu, M. ., Bokuchava, G., Badea, N., **Ungureanu, C.**, Lazea-Stoyanova, A., . . Juszyńska-Gałazka, E. (2021). Biological performances of plasmonic biohybrids based on phyto-silver/silver chloride nanoparticles. *Nanomaterials*, 11(7) doi:10.3390/nano11071811
14. **Ungureanu, C.**, Barbulescu, L., Dumitriu, C., Manole, C., & Pirvu, C. (2021). Titanium industrial residues surface modification towards its reuse as antimicrobial surfaces. *Environmental Science and Pollution Research*, 28(28), 38224-38237. doi:10.1007/s11356-021-13359-x
15. **Ungureanu, C.**, Fierascu, I., Fierascu, R. C., Costea, T., Avramescu, S. M., Călinescu, M. F., . . Pirvu, C. (2021). In vitro and in vivo evaluation of silver nanoparticles phytosynthesized using raphanus sativus l. waste extracts. *Materials*, 14(8) doi:10.3390/ma14081845
16. Calinescu, Mirela & **Ungureanu, Camelia** & Soare, Liliana Cristina & Fierascu, R.C. & Fierăscu, I. & Marin, F.C. (2020). Green matrix solution for growth inhibition of Venturia inaequalis and Podosphaera leucotricha. *Acta Horticulturae*. 61-66. 10.17660/ActaHortic.2020.1289.9.
17. Barbinta-Patrascu, M. E., **Ungureanu, C.**, Badea, N., Bacalum, M., Lazea-Stoyanova, A., Zgura, I., . . Burnei, C. (2020). Novel ecogenic plasmonic biohybrids as multifunctional bioactive coatings. *Coatings*, 10(7) doi:10.3390/coatings10070659
18. Barbinta-Patrascu, M. E., **Ungureanu, C.**, Badea, N., Constantin, M., Purcar, V., & Ispas, A. (2020). Bioperformances of honey-phytonanosilver in silica materials. *Journal of Optoelectronics and Advanced Materials*, 22(5-6), 310-315.
19. Fierascu, R. C., Fierascu, I., Lungulescu, E. M., Nicula, N., Somoghi, R., Dițu, L. M., . . Soare, L. C. (2020). Phytosynthesis and radiation-assisted methods for obtaining metal nanoparticles. *Journal of Materials Science*, 55(5), 1915-1932. doi:10.1007/s10853-019-03713-3
20. Popescu, S., Zarif, M. ., Dumitriu, C., **Ungureanu, C.**, & Pirvu, C. (2020). Silk fibroin-based hybrid nanostructured coatings for titanium implantable surfaces modification. *Coatings*, 10(6) doi:10.3390/COATINGS10060518
21. Zgura, I., Preda, N., Enculescu, M., Diamandescu, L., Negrilă, C., Bacalum, M., . . Barbinta-Patrascu, M. E. (2020). Cytotoxicity, antioxidant, antibacterial, and photocatalytic activities of ZnO-CdS powders. *Materials*, 13(1), 182. doi:10.3390/ma13010182
22. M. E. Barbinta-Patrascu, N. Badea, C. Ungureanu, D. Besliu, S. Antohe, Bioactive Phyto-Nanosilver Particles “Green” Synthesized From Clary Sage, Burdock, Southernwood And Asparagus, Romanian Reports in Physics, Volume 72, Number 3, 2020
23. M. E. Barbinta-Patrascu, N. Badea, **C. Ungureanu**, A. Ispas, *Photophysical aspects regarding the effects of Paeonia officinalis flower extract on DNA molecule labelled with methylene blue*, Optoelectronics and Advanced Materials – Rapid Communications 13(1-2), 131-135, 2019
24. M. E. Barbinta-Patrascu, M. Constantin, N. Badea, **C. Ungureanu**, S. M. Iordache, V. Purcar, S. Antohe, *Tangerine-Generated Silver - Silica Bioactive Materials*, Romanian Journal of Physics, 64 (3-4), 701, 2019
25. Barbinta-Patrascu, M. E., Badea, N., Bacalum, M., Ungureanu, C., Suica-Bunghez, I. R., Iordache, S. M., Maraloiu, V. A. (2019). 3D hybrid structures based on biomimetic membranes and caryophyllus aromaticus - “green” synthesized nano-silver with improved bioperformances, *Materials Science and Engineering C*, 101, 120-137. doi:10.1016/j.msec.2019.03.069

-
26. Mihalcea, A., Onu, A., Chirvase, A. A., & **Ungureanu, C.** (2019). The application of single use bioreactors for the production of a carotenoids mix, mainly torularhodin. *Revista De Chimie*, 70(1), 124-127.
27. Popescu, M. C., **Ungureanu, C.**, Buse, E., Nastase, F., Tucureanu, V., Suchea, M., . . . Popescu, M. A. (2019). Antibacterial efficiency of cellulose-based fibers covered with ZnO and Al₂O₃ by atomic layer deposition. *Applied Surface Science*, 481, 1287-1298, doi:10.1016/j.apsusc.2019.03.268
28. Tihan, G. T., Rău, I., Zgârian, R. G., **Ungureanu, C.**, Barbaresso, R. C., Kaya, M. G. A., . . . Ghica, M. V. (2019). Oxytetracycline versus doxycycline collagen sponges designed as potential carrier supports in biomedical applications. *Pharmaceutics*, 11(8) doi:10.3390/pharmaceutics11080363
29. **Ungureanu, C.**, Calinescu, M., Ferdes, M., Soare, L., Vizitiu, D., Fierascu, I., . . . Raileanu, S. (2019). Isolation and cultivation of some pathogen fungi from apple and grapevines grown in Arges county. *Revista De Chimie*, 70(11), 3913-3916. doi:10.37358/rc.70.19.11.7671
30. M. Calinescu, **Camelia Ungureanu**, C. Soare, R.C. Fierascu, I. Fierăscu, C.F. Marin, Green matrix solution for growth inhibition of *Venturia inaequalis* and *Podosphaera leucotricha*, IV Balkan Symposium on Fruit Growing, 14-18 September 2019, İstanbul, Book of Abstract, pp. 56, 2019 publicată în *Acta Horticulturae*, in press, indexată ISI
31. Calinescu, Mirela & **Ungureanu, Camelia** & Marin, Florin & Madalina, Militaru & Soare, Liliana Cristina & Fierăscu, Radu & Fierăscu, Irina. (2019). Antifungal activities of vegetal extract obtained from Dryopteris filix-mas (L.) Fern. Fruit Growing Research. 35. 65-71. 10.33045/fgr.v35.2019.10.
32. Cirstea, Georgiana & Calinescu, Mirela & Ducu, Catalin & Moga, S. & Mihăescu, Cristina & Sumedrea, Dorin & **Ungureanu, Camelia** & Butac, M. & Vălu, Vlad. (2019). Bioformulations of Plant Protection Products to Control Podosphaera Leucotricha And Venturia Inaequalis PHYTOPATHOGENS. Fruit Growing Research. 35. 61-64. 10.33045/fgr.v35.2019.09.
33. Vizitiu Diana Elena, Fierascu Radu Claudiu, Fiarascu Irina, **Ungureanu Camelia**, Soare Liliana Cristina, Toma Ionela Daniela, 2019, The vegetal extract impact on the main pathogens that affect the grapevine plants, Annals of the Craiova University – Biology, Horticulture, Food Processing Technology, Environmental Engineering series, Volume XXIV (LX)/2019, p. 209-214, Universitaria Publishing house, Craiova, ISSN 1453-1275, p. 260-265.
34. M.C. Popescu, F. Nastase, I. Mihalache, M.A. Banu, V. Tucureanu, **Camelia Ungureanu**, B.C. Tincu, R.M. Tomescu, *UV Protection of Ultra-Thin ZnO Film on Viscose*, The 9th edition of the International Conference "Advanced Topics in Optoelectronics, Microelectronics and Nanotechnologies", ATOM-N 2018, 23-26 August, Constanța, Romania - Oral Session 1, Advanced Topics in Optoelectronics, Microelectronics, and Nanotechnologies IX, edited by Marian Vladescu, Razvan Tamas, Ionica Cristea, Proc. of SPIE Vol. 10977, 1097709 © SPIE CCC code: 0277-786X/18/\$18 · doi: 10.1117/12.2324261, Proc. of SPIE Vol. 10977 1097709-1 2018
35. Ionita, D., **Ungureanu, C.**, Prodana, M., Negru, A. M., & Enachescu, M. (2018). Hybrid materials based on multi-walled carbon nanotubes with antimicrobial properties. *Revista De Chimie*, 69 (10), 2625-2632.
36. Barbinta-Patrascu, M. E., **Ungureanu, C.**, Suica-Bunghez, I. -., Iordache, A. -., Milenković Petrović, S., Ispas, A., & Zgura, I. (2018). Performant silver-based biohybrids generated from orange and grapefruit wastes. *Journal of Optoelectronics and Advanced Materials*, 20 (9-10), 551-557
37. M. E. Barbinta-Patrascu, N. Badea, M. Constantin, **C. Ungureanu**, C. Nichita, S. M. Iordache, A. Vlad, S. Antohe, Bio-Activity of Organic/Inorganic Phyto-Generated Composites in Bio-Inspired Systems, *Romanian Journal of Physics* 63 (5-6), 702 (2018)

-
38. Fierascu, I., **Ungureanu, C.**, Avramescu, S. M., Cimpeanu, C., Georgescu, M. I., Fierascu, R. C., Velescu, B. S. (2018). Genoprotective, antioxidant, antifungal and anti-inflammatory evaluation of hydroalcoholic extract of wild-growing juniperus communis L. (cupressaceae) native to romanian southern sub-carpathian hills. *BMC Complementary and Alternative Medicine*, 18(1)10.1186/s12906-017-2066-8
39. Dumitriu, C., Voicu, S. I., Muhulet, A., Nechifor, G., Popescu, S., **Ungureanu, C.**, Pirvu, C. (2018). Production and characterization of cellulose acetate – titanium dioxide nanotubes membrane fraxiparinized through polydopamine for clinical applications. *Carbohydrate Polymers*, 181, 215-223. doi: 10.1016/j.carbpol.2017.10.082
40. Fierascu, R. C., Georgiev, M. I., Fierascu, I., **Ungureanu, C.**, Avramescu, S. M., Ortan, A., Anuta, V. (2018). Mitodepressive, antioxidant, antifungal and anti-inflammatory effects of wild-growing romanian native Arctium lappa L. (asteraceae) and Veronica persica poiret (plantaginaceae). *Food and Chemical Toxicology*, 111, 44-52. doi:10.1016/j.fct.2017.11.008
41. Barbinta-Patrascu, M. E., Badea, N., **Ungureanu, C.**, Iordache, S. M., Constantin, M., Purcar, V., Pirvu, C. (2017). Ecobiophysical aspects on nanosilver biogenerated from citrus reticulata peels, as potential biopesticide for controlling pathogens and wetland plants in aquatic media. *Journal of Nanomaterials*, 2017 doi:10.1155/2017/4214017
42. Barbinta-Patrascu, M. E., Badea, N., **Ungureanu, C.**, Pirvu, C., Iftimie, V., & Antohe, S. (2017). Photophysical studies on biocomposites based on carbon nanotubes and chlorophyll-loaded biomimetic membranes. *Romanian Reports in Physics*, 69(1)
43. I.R. Bunghez, M. E. Barbinta Patrascu, O. Dumitrescu, C. **Ungureanu**, I. Fierascu, S. M. Iordache, R.M. Ion. Environmentally friendly phytosynthesis of silver-based materials using *Cornus mas* L. fruits, *Environmental Engineering and Management Journal*, 15(9): 2085-2094, 2016
44. **Ungureanu, C.**, Dumitriu, C., Popescu, S., Enculescu, M., Tofan, V., Popescu, M., & Pirvu, C. (2016). Enhancing antimicrobial activity of TiO₂/Ti by torularhodin bioinspired surface modification. *Bioelectrochemistry*, 107, 14-24. doi:10.1016/j.bioelechem.2015.09.001
45. Barbinta-Patrascu, M. E., Badea, N., Pirvu, C., Bacalum, M., **Ungureanu, C.**, Nadejde, P. L., Rau, I. (2016). Multifunctional soft hybrid bio-platforms based on nano-silver and natural compounds. *Materials Science and Engineering C*, 69, 922-932. doi:10.1016/j.msec.2016.07.077
46. Barbinta-Patrascu, M. E., Badea, N., **Ungureanu, C.**, Constantin, M., Pirvu, C., & Rau, I. (2016). Silver-based biohybrids "green" synthesized from chelidonium majus L. *Optical Materials*, 56, 94-99. doi:10.1016/j.optmat.2015.10.021
47. Fierascu, R. C., Padure, I. M., Avramescu, S. M., **Ungureanu, C.**, Bunghez, R. I., Ortan, A., Soare, L. C. (2016). Preliminary assessment of the antioxidant, antifungal and germination inhibitory potential of heracleum sphondylium L. (apiaceae). *Farmacia*, 64(3), 403-408.
48. Barbinta Patrascu, M. E., Badea, N., **Ungureanu, C.**, Bunghez Raluca, I., & Rau, I. (2016). Gold and silver geranium biocomposites. *Molecular Crystals and Liquid Crystals*, 627(1), 190-197. doi:10.1080/15421406.2015.1137424
49. Dicu, M. M., Ursu, M., **Ungureanu, C.**, Dicu, P. C., & Popescu, S. (2015). Improving corrosion stability and antibacterial activity of the titania coatings by plasma electrolytic oxidation. *Journal of Optoelectronics and Advanced Materials*, 17(11-12), 1816-1825.
50. Dumitriu, C., Popescu, M., **Ungureanu, C.**, & Pirvu, C. (2015). Antibacterial efficiencies of TiO₂ nanostructured layers prepared in organic viscous electrolytes. *Applied Surface Science*, 341, 157-165. doi: 10.1016/j.apsusc.2015.02.183
51. Dumitriu, C., **Ungureanu, C.**, Popescu, S., Tofan, V., Popescu, M., & Pirvu, C. (2015). Ti surface modification with a natural antioxidant and antimicrobial agent. *Surface and Coatings Technology*, 276, 175-185. doi: 10.1016/j.surfcoat.2015.06.063

-
52. Fierascu, I., **Ungureanu, C.**, Avramescu, S. M., Fierascu, R. C., Ortan, A., Soare, L. C., & Paunescu, A. (2015). In vitro antioxidant and antifungal properties of achillea millefolium L. *Romanian Biotechnological Letters*, 20(4), 10626-10636.
53. Mihalcea, A., Onu, A., Tucureanu, C., **Ungureanu, C.**, Raileanu, S., Salageanu, A., & Muntean, O. (2015). Extraction of torularhodin from rhodotorula rubra yeast using sunflower oil. *Revista De Chimie*, 66(10), 1692-1695.
54. Ortan, A., Fierascu, I., **Ungureanu, C.**, Fierascu, R. C., Avramescu, S. M., Dumitrescu, O., & Dinu-Pirvu, C. E. (2015). Innovative phytosynthesized silver nanoarchitectures with enhanced antifungal and antioxidant properties. *Applied Surface Science*, 358, 540-548. doi: 10.1016/j.apsusc.2015.07.160
55. Patrascu, J. M., Nedelcu, I. A., Sonmez, M., Ficai, D., Ficai, A., Vasile, B. S., . . . Rusu, L. C. (2015). Composite scaffolds based on silver nanoparticles for biomedical applications. *Journal of Nanomaterials*, 2015 doi:10.1155/2015/587989
56. Spoiala, A., Voicu, G., Ficai, D., **Ungureanu, C.**, Albu, M. G., Vasile, B. S., . . . Andronescu, E. (2015). Collagen/TiO₂-ag composite nanomaterials for antimicrobial applications. *UPB Scientific Bulletin, Series B: Chemistry and Materials Science*, 77(4), 275-290.
57. Teodora Tihan, G., **Ungureanu, C.**, Constantin Barbaresso, R., Gabriela Zgârian, R., Rau, I., Meghea, A., . . . Violeta Ghica, M. (2015). Chloramphenicol collagen sponges for local drug delivery in dentistry. *Comptes Rendus Chimie*, 18(9), 986-992. doi:10.1002/adem.200980016
58. **Ungureanu, C.**, Ioniță, D., Berteau, E., Tcacenco, L., Zuav, A., & Demetrescu, I. (2015). Improving natural biopolymeric membranes based on chitosan and collagen for biomedical applications introducing silver. *Journal of the Brazilian Chemical Society*, 26(3), 458-465. doi:10.5935/0103-5053.20150298
59. Patrascu, M. E. B., **Ungureanu, C.**, & Rau, I. (2014). Biohybrids based on carbon nanotubes and liposomes - biophysical studies. *Molecular Crystals and Liquid Crystals*, 604(1), 1-10. doi:10.1080/15421406.2014.978553
60. Badea, G., Bors, A. G., Lacatusu, I., Oprea, O., **Ungureanu, C.**, Stan, R., & Meghea, A. (2014). Influence of basil oil extract on the antioxidant and antifungal activities of nanostructured carriers loaded with nystatin. *Comptes Rendus Chimie*, doi: 10.1016/j.crci.2014.09.012
61. Popescu S., **Camelia Ungureanu**, A.-M. Albu, C. Pirvu, *Poly(dopamine) assisted deposition of adherent PPy film on Ti substrate*, Progress in Organic Coatings, 10.1016/j.porgcoat.2014.06.023, (IF₂₀₁₂ = 1.848), (ISI Web of Knowledge, SCOPUS), **2014**
62. Manea A-M, **Camelia Ungureanu**, A. Meghea, *Effect of vegetable oils on obtaining lipid nanocarriers for sea buckthorn extract encapsulation*, Comptes rendus Chimie, <http://dx.doi.org/10.1016/j.crci.2013.10.020>, (IF₂₀₁₂ = 1.920), (ISI Web of Knowledge, SCOPUS), **2014**
63. Barbinta-Patrascu, M. E., **Camelia Ungureanu**, Iordache, S. M., Bunghez, I. R., Badea, N., & Rau, I. (2014). *Green silver nanobioarchitectures with amplified antioxidant and antimicrobial properties*. Journal of Materials Chemistry B, 2(21), 3221-3231, (IF₂₀₁₂ = 6.101), (ISI Web of Knowledge, SCOPUS), **2014**, WOS:000336072400007
64. **Camelia Ungureanu**, S. Popescu, G. Purcel, V. Tofan, M. Popescu, A. Sălăgeanu, C. Pîrvu, *Improved antibacterial behavior of titanium surface with torularhodin-polypyrrole film*, Materials Science and Engineering: C, 42, 726-733, (IF₂₀₁₂ = 2.404), (ISI Web of Knowledge, SCOPUS), **2014**,
65. Barbinta-Patrascu, M. E., **Camelia Ungureanu**, Iordache, S. M., Iordache, A. M., Bunghez, I., Ghiurea, M., Stamatin, I., *Eco-designed biohybrids based on liposomes, mint-nanosilver and carbon nanotubes for antioxidant and antimicrobial coating*. Materials Science and

Engineering C, 39(1), pp. 177-185, (IF₂₀₁₂ = 2.404), (ISI WEB OF KNOWLEDGE, SCOPUS) 2014

66. Hup, L., Nedelcu, I., **Camelia Ungureanu**, Sonmez, M., Andronescu, E. (2014). *Methylene blue based antiseptic chitosan/hydroxyapatite composite materials*, Revista De Chimie, 65(5), 521-524, (IF₂₀₁₂ = 0.538), (ISI Web of Knowledge, SCOPUS), 2014, WOS:000337011900004
67. Tanase, C., **Camelia Ungureanu**, Raileanu, S., *Fuzzy techniques vs. multicriteria optimization method in bioprocess control*. Revista de Chimie, 64(12), 1399-1403, (IF₂₀₁₂ = 0.538), (ISI Web of Knowledge, SCOPUS), 2013, WOS:000330914400007
68. D. Ionita, **Camelia Ungureanu**, and I. Demetrescu, *Electrochemical and Antibacterial Performance of CoCrMo Alloy Coated with Hydroxyapatite or Silver Nanoparticles*, Journal of Materials Engineering and Performance, ISSN: 1059-9495, 22(11), 3584-3591, (IF₂₀₁₂ = 0.915), (ISI Web of Knowledge, SCOPUS), 2013, WOS:000326888500043
69. M. G. Florea, I.-A. Nedelcu, **Camelia Ungureanu**, A. Ficai, D. Ficai, C. Guran, E. Andronescu, *Alginate and sulfanilamide based DDS with antibacterial activity*, International journal of polymeric materials and polymeric biomaterials, ISSN: 0091-4037 (Print), 1563-535X (Online), 63 (2), pp. 92-96, (IF₂₀₁₂ = 1.865) (ISI Web of Knowledge, SCOPUS), 2013, WOS:000328538900006
70. M. Mîndroiu, **Camelia Ungureanu**, R. Ion, C. Pîrvu, *The effect of deposition electrolyte on polypyrrole surface interaction with biological environment*, Applied Surface Science, ISSN: 0169-4332, vol. 276, pp. 401-410, (IF₂₀₁₂ = 2.112) (ISI Web of Knowledge, SCOPUS), 2013, WOS:000318979800058
71. S. Grigorescu, **Camelia Ungureanu**, R. Kirchgeorg, P. Schmuki, I.Demetrescu, *Various Sized Nanotubes On TiZr For Antibacterial Surfaces*, Applied Surface Science, ISSN: 0169-4332, vol. 270, pp. 190-196, (IF₂₀₁₂ = 2.112) (ISI Web of Knowledge, SCOPUS), 2013, WOS:000316790200029
72. **Camelia Ungureanu**, Luc Marchal, Ana Aurelia Chirvase, Alain Foucault, *Centrifugal partition extraction, a new method for direct metabolites recovery from culture broth: Case study of torularhodin recovery from Rhodotorula rubra*. Bioresource Technology, ISSN: 0960-8524, Volume 132, pp. 406-409, (IF₂₀₁₂ = 4.750), (ISI Web of Knowledge, SCOPUS), 2013, WOS:000316707200062
73. **Camelia Ungureanu**, Ferdeş, M., *Evaluation of antioxidant and antimicrobial activities of torularhodin*, Advanced Science Letters, 18, pp. 50-53, ISSN: 1936-6612 (Print): EISSN: 1936-7317 (Online), (SCOPUS), 2012
74. **Camelia Ungureanu**, Pirvu, C., Mindroiu, M., Demetrescu, I., *Antibacterial polymeric coating based on polypyrrole and polyethylene glycol on a new alloy TiAlZr*, Progress in Organic Coatings, ISSN: 0300-9440, 75 (4), pp. 349-355, (IF₂₀₁₂ = 1.848), (ISI Web of Knowledge, SCOPUS), 2012, WOS:000309695700010
75. A. Mihalcea, **Camelia Ungureanu**, A.A. Chirvase, A. Onu, *Separation by microfiltration of Rhodotorula rubra cells from the Culture Broth*, Revista de chimie, ISSN 0034-7752, (IF₂₀₁₂ = 0.538), vol. 63, nr. 5, pp. 536-539, (ISI Web of Knowledge, SCOPUS), 2012, WOS:000304494200018
76. L. C. Soare, M. Ferdes, S. Stefanov, Z. Denkova, R. Nicolova, P. Denev, **Camelia Ungureanu**, *Antioxidant and antimicrobial properties of some plant extracts*, Revista de chimie, ISSN 0034-7752, (IF₂₀₁₂ = 0.538), vol. 63, nr. 4, pp. 432-434, (ISI Web of Knowledge, SCOPUS), 2012, WOS:000304292600019
77. **Camelia Ungureanu**, M. Ferdes, A.A. Chirvase, *Torularhodin biosynthesis and extraction by yeast cells of Rhodotorula rubra*, Revista de chimie, Revista de chimie, ISSN 0034-7752, (IF₂₀₁₂ = 0.538), vol. 63, nr. 3, pp. 316-318, (ISI Web of Knowledge, SCOPUS), 2012, WOS:000303091400015

-
78. Ferdeş, M., **Camelia Ungureanu**, *Antimicrobial activity of essential oils against four food-borne fungal strains*, UPB Scientific Bulletin, Series B: Chemistry and Materials Science, Ed. POLITEHNICA Press, ISSN 1454-2331, B+, (SCOPUS), 74 (2), pp. 87-98, **2012**
79. **Camelia Ungureanu**, Ionita, D., Badea, N., Demetrescu, I., *From nanoscale engineering to biomedical application - characterization of pulse electrodeposited biomimetic antibacterial coating on Ti6Al4Zr*, Digest Journal of Nanomaterials and Biostructures, ISSN 1842 – 3582, 6 (3), pp. 1273-1279, (IF₂₀₁₂ = 1.092), (ISI Web of Knowledge, SCOPUS), **2011**, WOS:000297986100044
80. C. Tanase, A. A. Chirvase, **Camelia Ungureanu**, M. Caramihai, O. Muntean, *Study of double-substrate limited growth of Pseudomonas aeruginosa in aerobic processes*, Revue Roumaine de Chimie (2011), ISSN: 0035-3930, (IF₂₀₁₂ = 0.331), 56(12), pp. 1143-1149, (ISI Web of Knowledge, SCOPUS), **2011**, WOS:000304225400008
81. Ionita, D., Grecu, M., **Camelia Ungureanu**, Demetrescu, I. *Antimicrobial activity of the surface coatings on TiAlZr implant biomaterial*, Journal of Bioscience and Bioengineering, ISSN: 1389-1723, (IF₂₀₁₂ = 1.737), Vol.112, No.6, pp. 630-634, (ISI Web of Knowledge, SCOPUS), **2011**, WOS:000300332700020
82. **Camelia Ungureanu**, M. Ferdes, A. Mihalcea, A. A. Chirvase, *Characterization of O₂ transfer capability in the aerobic bioreactor for carotenoid pigments formation*, U.P.B. Sci. Bull., Series B, Vol. 73, Iss.1, pp.57-66, Ed. POLITEHNICA Press, ISSN 1454-2331, B+, (SCOPUS), **2011**
83. C. Tănase, **Camelia Ungureanu**, M. Caramihai, O. Muntean, *Fuzzy control application for the bioprocess control of a therapeutic product preparation*, U.P.B. Sci. Bull., Series B, Vol. 73, Iss.4, pp.105-112, Ed. POLITEHNICA Press, ISSN 1454-2331, B+, (SCOPUS), **2011**
84. **Camelia Ungureanu**, M. Ferdes, *Influence of the culture medium on torularhodin pigment biosynthesis*, University of Agronomical Sciences and Veterinary Medicine Bucharest, Scientific Bulletin, Biotechnology, Series F XV, ISSN: 1224-7774, pp. 95-103, B, (CABI), **2011**
85. D. Ionita, M. Grecu, **Camelia Ungureanu**, Ioana Demetrescu, *Modifying the TiAlZr biomaterial surface with coating, for a better anticorrosive and antibacterial performance*, Applied Surface Science, ISSN: 0169-4332, vol. 257. Issue 21, pp. 9164-9168, (IF₂₀₁₂ = 2.112), (ISI Web of Knowledge, SCOPUS), **2011**, WOS:000292539700064
86. C. Tănase, M. Caramihai, **Camelia Ungureanu**, G. Sârbu, A. A. Chirvase, O. Muntean, *Software application for intelligent control of a bioprocess. Case study*, Computer Aided Chemical Engineering, Volume 29, pp. 643-647, (ISI Web of Knowledge, SCOPUS), **2011**, WOS:000294218900129
87. A. Mihalcea, **Camelia Ungureanu**, M. Ferdeş, A. A. Chirvase, C. Tănase, *The influence of operating conditions on the growth of the yeast Rhodotorula rubra ICCF 209 and on torularhodin formation*, Revista de chimie, vol. 62, nr. 6, pp. 659-665, ISSN 0034-7752, (IF₂₀₁₂ = 0.538), (ISI Web of Knowledge, SCOPUS), **2011**, WOS:000292629400014
88. M. Grecu, G. Novac, D. Ionita, **Camelia Ungureanu**, *Incorporation of tobramycin biomimetic in hydroxyapatite coating on CoCrMo alloy and this antimicrobial activity*, Revista de chimie, vol. 62, nr. 3, pp. 352-356, ISSN 0034-7752, (IF₂₀₁₂ = 0.538), (ISI Web of Knowledge, SCOPUS), **2011**, WOS:000289814300019
89. M. Prodana, M.D. Ionita, **Camelia Ungureanu**, I. Demetrescu, *Enhancing antibacterial effect of multiwalled carbon nanotubes using silver nanoparticles*, Digest Journal of Nanomaterials and Biostructures, volume 6, nr. 2, pp. 549-556, april-june **2011**, (IF₂₀₁₂ = 1.092), (ISI Web of Knowledge, SCOPUS), **2011**, WOS:000290789400023
90. M. Ferdeş, **Camelia Ungureanu**, A. Mihalcea, A. A. Chirvase, Eugenia Mocanu, *The influence of the carbon source on torularhodin pigment biosynthesis*, Revista de chimie, vol.

-
- 62, nr. 3, pp. 339-343, ISSN 0034-7752, (IF₂₀₁₂ = 0.538), (ISI Web of Knowledge, SCOPUS), **2011**, WOS:000289814300016
91. M. Ferdeş, **Camelia Ungureanu**, *Study of relationship between enzymes production, growth rate and pigmentogenesis for five mutant strains of Monascus rubber*, Revista de chimie, vol. 62, nr.1, pp. 75-81, ISSN 0034-7752, (IF₂₀₁₂ = 0.538), (ISI Web of Knowledge, SCOPUS), **2011**, WOS:000288339400015
92. **Camelia Ungureanu**, Ferdes M., A.A. Chirvase, E. Mocanu, *Method for torularhodin separation and analysis in the yeast Rhodotorula rubra aerobically cultivated in lab bioreactor*, Chemical Engineering Transactions, vol. 24, ISSN 1974-9791, pp. 943-948, (ISI Web of Knowledge, SCOPUS), **2011**, WOS:000298023800158
93. Tcacenco, A. A. Chirvase, **Camelia Ungureanu**, E. Berteau, *The preparation and immobilization of some yeasts lipases for the rapeseed oil transesterification to biodiesel*, Romanian Biotechnological Letters, vol.5, nr.5, pp.5631-5639, ISSN: 1224-5984, (IF₂₀₁₂ = 0.363), (ISI Web of Knowledge, SCOPUS), **2010**, WOS:000283884600014
94. A. A. Chirvase, **Camelia Ungureanu**, L. Tcacenco, N. Radu, *Determination of yeast strains characteristics as lipase providers for enzymatic transesterification to biodiesel*, Revista de chimie, vol.61, nr.9, pp.866-868, ISSN 0034-7752, (IF₂₀₁₂ = 0.538), (ISI Web of Knowledge, SCOPUS), **2010**, WOS:000284137400013
95. M. Caramihai, I. Severin, A. A. Chirvase, A. Onu, C. Tănase, **Camelia Ungureanu**, *Therapeutic Product Preparation Bioprocess Modeling*, World Academy of Science, Engineering and Technology, 66, pp. 955-958, ISSN: 2070-3724 & ISSN: 2070-3740, (SCOPUS), **2010**
96. **Camelia Ungureanu**, Ferdes M., *Antibacterial and antifungal activity of red rice obtained from Monascus purpureus*, Chemical Engineering Transactions, 20, pp. 223-228, (ISI Web of Knowledge, SCOPUS), **2010**, WOS:000286975800038
97. M. Ferdes, **Camelia Ungureanu**, N. Radu, A.A. Chirvase, *Antimicrobial effect of Monascus purpureus red rice against some bacterial and fungal strains*, Chemical Engineering Transactions, 17, pp. 1089-1094, ISSN: 1974-9791, DOI: 10.3303/CET0917182, (ISI Web of Knowledge, SCOPUS), **2009**, WOS:000270930200182
98. **Camelia Ungureanu**, M. Ferdes, A.A. Chirvase, N. Radu, *Study of relationship concerning the pigment production and growth rate for five mutant strains of Monascus purpureus*, Chemical Engineering Transactions, 17, pp. 1149-1154, ISSN: 1974-9791, (ISI Web of Knowledge, SCOPUS), **2009**, WOS:000270930200192
99. **Camelia Ungureanu**, Dima, R., Onu, A., Mihalcea, A., *Separation by microfiltration of Pseudomonas aeruginosa cells from the culture broth*, Revista de chimie, vol. 60, nr.1, pp. 48-54, ISSN 0034-7752, (IF₂₀₁₂ = 0.538), (ISI Web of Knowledge, SCOPUS), **2009**, WOS:000304225400008
100. N. Radu, M. Ferdes, O. Coman, I. Ghita Cristescu, A. Mihalcea, **Camelia Ungureanu**, *Influence the difference submerged media by the production of yellow and red Monascus sp. pigment*, Scientific papers, USAMV Bucharest, Series A, vol. LII, pp. 491-496, ISSN 1222-5339, B, (CABI), **2009**
101. **Camelia Ungureanu**, M. Caramihai, A. A. Chirvase, O. Muntean, I. Nagy, A. Onu, A. Salageanu, *Model and kinetic parameters identification for therapeutical product obtaining according to the GMP guidelines*, Revista de chimie, ISSN 0034-7752, vol. 59, nr.7, pp. 762-765, (IF₂₀₁₂ = 0.538), (ISI Web of Knowledge, SCOPUS), **2008**, WOS:000259310500012
102. R. Crutescu, **Camelia Ungureanu**, P. Vasilescu., *Biodegradation of phenols by a pure bacteria of Pseudomonas putida and by a mixed culture of Pseudomonas various*, Revista de chimie, ISSN 0034-7752, vol. **59**, nr.4, pp. 434-439, (IF₂₀₁₂ = 0.538), (ISI Web of Knowledge, SCOPUS), **2008**, WOS:000256072400017

-
103. **Camelia Ungureanu**, A. A. Chirvase, O. Muntean, I. Nagy, A. Onu, A. Salageanu, *Technological study of an aerobic bioprocess for a bacterial pharmaceutical preparation*, U.P.B. Sci. Bull., Series B, Vol. **69**, No. 3, pg. 19-26, Ed. POLITEHNICA Press, ISSN 1454-2331, B+, (SCOPUS), **2007**
104. R. Crutescu, **Camelia Ungureanu**, *Aspects regarding the kinetics of phenols degradation by Pseudomonas putida*, Revista de Chimie, ISSN 0034-7752, vol. **58**, nr.12, pp.1322-1326, (IF₂₀₁₂ = 0.538), **2007**, WOS:000252496200033
105. M.Caramihai, A. Chirvase, C. Fonteix, I. Marc, F. Fournier, R. Misleanu, **Camelia Ungureanu**, “Optimal fed-batch bioprocess control. An advanced approach”, Computer-Aided Chemical Engineering, vol.24, pp.787-792, Elsevier B.V., ISBN: 978 0 444 53157 5 (volume), 978-0-444-53158-2 (CD), ISSN: 1570-7946, (ISI Web of Knowledge, SCOPUS), **2007**, WOS:000287727400132

B. Lucrări publicate în reviste cu referență

1. Diana Elena Vizitiu, Daniela-Ionela Sardarescu, Carmen Florentina Popescu, Irina Fierascu, Radu Fierascu, Liliana Cristina Soare, **Camelia Ungureanu**, *The influence of vegetal extracts and nanostructured mixtures on grapevine pollen grains*, 405, THE INFLUENCE OF VEGETAL EXTRACTS AND NANOSTRUCTURED MIXTURES ON GRAPEVINE POLLEN GRAINS - Current Trends in Natural Sciences (upit.ro), 6vizitii-et-al.pdf (upit.ro), Vol. 10, Issue 19, pp. 422-426, Current Trends in Natural Sciences (on-line), ISSN: 2284-953X, 2021
2. M. Calinescu, **C. Ungureanu**, FC Marin, M. Militaru, C. Soare, RC Fierascu, I. Fierascu, Antifungal activities of vegetal extract obtained from dryopteris filix-mas (L.) Fern, Sesiunea Stiintifica Anuala a Institutului de Cercetare Dezvoltare pentru Pomicultură, 14-15 Octombrie, 2019, Maracineni, Romania, Fruit Growing Research. 35. 65-71, DOI:10.33045/fgr.v35.2019.10, II.07. Calinescu Mirela.pdf (icdp.ro)
3. Cirstea, Georgiana & Calinescu, Mirela & Ducu, Catalin & Moga, S. & Mihăescu, Cristina & Sumedrea, Dorin & **Ungureanu**, Camelia & Butac, M. & Vălu, Vlad. (2019). Bioformulations of Plant Protection Products to Control Podosphaera Leucotricha and Venturia Inaequalis PHYTOPATHOGENS. Fruit Growing Research. 35. 61-64. 10.33045/fgr.v35.2019.09, Sesiunea Stiintifica Anuala a Institutului de Cercetare Dezvoltare pentru Pomicultură, 14-15 Octombrie, 2019, Maracineni, Romania, December 2019, II.06. Cirstea Georgiana.pdf (icdp.ro)
4. **Camelia Ungureanu**, M. Ferdes, *Influence of the culture medium on torularhodin pigment biosynthesis*, International Symposium of Biotechnology, Simp. BTH, November 10 – 11th, pp. 95-103, Bucharest, Romania, **2011**
5. **Camelia Ungureanu**, M. Ferdeș, R. Anghel, *Pigmenții din Monascus purpureus - o alternativă naturală la coloranții alimentari de sinteză*, Revista Food and Drinks, Globus, no. 135, pp. 10-13, ISSN 1454 – 7252, iulie **2011**
6. **Camelia Ungureanu**, *Studiul bioreactoarelor de unică folosință - pentru producția de organisme modificate genetic (OMG)*, Revista Food and Drinks, Globus, no. 135, pp. 28-30, ISSN 1454 – 7252, iulie **2011**
7. M. Ferdeș, **Camelia Ungureanu**, *The effect of different carbon and nitrogen sources on pigment production of Monascus purpureus in submerged cultures*, Revista Romanian Biological Sciences, RBS, vol. V, no.1-4, pp. 113-120, ISSN 1584-0158, **2007**
- 8.

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