

Universitatea Națională de Știință și Tehnologie POLITEHNICA București
Facultatea: Inginerie Chimică și Biotehnologii
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Gradul didactic: Conferențiar

L I S T A

lucrărilor științifice în domeniul disciplinelor din postul didactic

A. Teza de doctorat

T1. **Camelia Ungureanu**, "*Obținere în flux integrat GMP a biopreparatelor de uz uman*", 2009

B. Cărți și capitole în cărți publicate în ultimii 10 ani

1. Biopesticides, 1st Edition, Volume 2: Advances in Bio-inoculants, **Chapter 8. "Nano bio pesticides: today and future perspectives"**, autor: **Camelia Ungureanu**, Editors: Amitava Rakshit, Vijay Meena P.C. Abhilash B.K. Sarma H B Singh Leonardo Fraceto, Manoj Parihar, Anand Kumar, Paperback ISBN: 9780128233559, Elsevier, Published Date: November 2021
<https://www.elsevier.com/books/biopesticides/rakshit/978-0-12-823355-9>
2. Development of plant extracts and innovative phytosynthesized nanostructures mixtures with phytotherapeutic applications, in order to reduce biocenotic stress in horticultural crops, Editori: Irina Fierascu, Radu Claudiu Fierascu, Cristina liliانا Soare: **Chapter 4: Antibacterial and antifungal activity of some types of ferns**, authors: **Camelia Ungureanu**, Ionica Deliu, ISBN: 978-619-91466-2-0, Ruse Press, 2021
3. **Chapter 7.** Baroi, A.M., **Ungureanu, C.**, Calinescu, M.F., Vizitiu, D., Sardarescu, I.-D., Ortan, A., Fierascu, R.C., Fierascu, I. Role and application of nanosensors in crop protection for disease identification (2023) Nanoformulations for Sustainable Agriculture and Environmental Risk Mitigation, pp. 118-141. ed. CABI, ed. Anca Sutan, ISBN: 978-180062308-8, 978-180062307-1, DOI: 10.1079/9781800623095.0007, [Role and Application of Nanosensors in Crop Protection for Disease Identification | Nanoformulations for Sustainable Agriculture and Environmental Risk Mitigation \(cabidigitallibrary.org\)](https://doi.org/10.1079/9781800623095.0007); 2023

Secvențe tehnologice:

Vizitiu Diana Elena, Fierăscu Irina, Fierăscu Radu Claudiu, Soare Cristina Liliana, **Ungureanu Camelia**, 2021, Secvență tehnologică privind combaterea principalelor boli micotice care afectează cultura viței-de-vie cu extracte vegetale și amestecuri nanostructurate. Oferta cercetării științifice

pentru transfer tehnologic în agricultură, industria alimentară și silvicultură. Editura CERES, ISSN 1844-0355.

Ghid metodic:

Georgica Voicu, Daniela Simina Ștefan, **Camelia Ungureanu**, **Învățarea prin imagini, activități practice și jocuri didactice, Pitești, ISBN: 978-973-0-38897-8, 2023**

C. Lucrări indexate ISI/BDI publicate în ultimii 10 ani

1. Barbinta-Patrascu, M.-E.; Nichita, C.; Enculescu, M.; Maraloiu, V.-A.; Bacalum, M.; **Ungureanu, C.**; Negrița, C.C.; Zgura, I. Bioactive Hybrids Containing Artificial Cell Membranes and Phyto-Gold–Silver Chloride Bio-Nanoparticles. *Int. J. Mol. Sci.* **2024**, *25*, 11929. [Bioactive Hybrids Containing Artificial Cell Membranes and Phyto-Gold–Silver Chloride Bio-Nanoparticles](#)
2. **Ungureanu, C.**; Răileanu, S.; Zgârian, R.; Tihan, G.; Burnei, C. State-of-the-Art Advances and Current Applications of Gel-Based Membranes. *Gels* **2024**, *10*, 39. <https://doi.org/10.3390/gels10010039>
3. **Ungureanu, C.**; Zgârian, R.; Tihan, G.; Fadeev, V. Exploring pathogenic bacteria in cheese: insights from microbial isolation studies, acceptat în U.P.B. Sci. Bull., Series B, 201 ISSN 1223-7027, 2024, [VAPOR LIQUID \(upb.ro\)](#)
4. Păun, Angela Gabriela; Popescu, Simona; **Ungureanu, Camelia**; Trusca, Roxana; Pirvu, Cristian. Reduced TiO₂ Nanotubes/Silk Fibroin/ZnO as a Promising Hybrid Antibacterial Coating, (2024) *ChemPlusChem*, *89* (3), art. no. e202300450, DOI: 10.1002/cplu.202300450, [Reduced TiO₂ Nanotubes/Silk Fibroin/ZnO as a Promising Hybrid Antibacterial Coating - Păun - 2024 - ChemPlusChem - Wiley Online Library](#)
5. Păun, A.G.; Petrina, V.; Badea, N.; **Ungureanu, C.**; Popescu, S.; Dumitriu, C. Y-Branched Titanium Dioxide Nanotubes as a Potential Antimicrobial Coating for Implants. *Crystals* **2023**, *13*, 1695. <https://doi.org/10.3390/cryst13121695>
6. Irodia, R.; **Ungureanu, C.**; Sătulu, V.; Mîndroiu, V.M. Photocatalyst Based on Nanostructured TiO₂ with Improved Photocatalytic and Antibacterial Properties. *Materials* **2023**, *16*, 7509. <https://doi.org/10.3390/ma16247509>
7. Păun, A.G., Dumitriu, C., **Ungureanu, C.**, Popescu, S. Silk Fibroin/ZnO Coated TiO₂ Nanotubes for Improved Antimicrobial Effect of Ti Dental Implants (2023) *Materials*, *16* (17), art. no. 5855.
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9. Popescu, M., **Ungureanu, C.** Green Nanomaterials for Smart Textiles Dedicated to Environmental and Biomedical Applications (2023) *Materials*, *16* (11), art. no. 4075.
10. Fierascu, I.C., Fierascu, I., Baroi, A.M., **Ungureanu, C.**, Spinu, S., Avramescu, S.M., Somoghi, R., Fierascu, R.C., Dinu-Parvu, C.E. Phytosynthesis of Silver Nanoparticles Using *Leonurus cardiaca* L. Extracts (2023) *Materials*, *16* (9), art. no. 3472
11. Popescu, M., **Ungureanu, C.** Biosensors in Food and Healthcare Industries: Bio-Coatings Based on Biogenic Nanoparticles and Biopolymers (2023) *Coatings*, *13* (3), art. no. 486
12. Lite, M.-C., Săndulache, I.-M., Tănăsescu, E.-C., Constantinescu, R., **Ungureanu, C.**, Badea, N. SILVER NANOPARTICLES BASED ON CAFFEIC ACID APPLIED FOR TEXTILES

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13. Pandelea, G., Călinescu, M.F., Mazilu, I.C., Ștefan, D.S., **Ungureanu, C.** Enhancing Red Currant Berry Quality through Fertilization Using Compost from Municipal Sludge and from Vegetal Waste (2023) *Agronomy*, 13 (5), art. no. 1363
 14. 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>
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