
Nume Prenume: UNGUREANU Camelia

Gradul didactic: conferențiar

Instituția unde este titular: Universitatea Națională de Știință și Tehnologie POLITEHNICA București

Facultatea: INGINERIE CHIMICĂ ȘI BIOTEHNOLOGII

Departamentul: Chimie Generală

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

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Ca 3. **Camelia Ungureanu**, A. A. Chirvase, N. Radu, A. Onu, A. Sălăgeanu, I. Stoica, M. Hilebrand, F. Antohe, *Manual de prezentare biotehnologii avansate de preparare a unor produse biologice terapeutice de uz uman și de diagnostic cu integrarea unor metode optimizate de asigurare a calității și de control, în conformitate cu standardele și normele europene*, ISBN: 978-973-7838-92-6, ed. Politehnica Press, 114 pag., **2008**

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D 2. Biopesticides, 1st Edition, Volume 2: Advances in Bio-inoculants, **Chapter 8. "Nano bio pesticide: 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>

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D4. 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://www.cabidigitallibrary.org/); 2023

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Ghid metodic:

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13. Popescu, M., **Ungureanu, C.** Green Nanomaterials for Smart Textiles Dedicated to Environmental and Biomedical Applications (2023) *Materials*, *16* (11), art. no. 4075.
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69. E 16. Luminita Tcacenco, Ana Aurelia Chirvase, Irina Lupescu, Minodora Leca, Elena Berteanu, Nicoleta Radu, Diana Constantinescu-Groposila, **Camelia Ungureanu**, Mihaela Neagu, "SISTEM ENZIMATIC PENTRU TRANSESTERIFICAREA ULEIURILOR VEGETALE, Sesiunea anuala INCDSB, vol. Abstract, 24-25 iunie 2010, Cluj-Napoca, **2010**.
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80. **Camelia Ungureanu**, O. Muntean, A. A. Chirvase, I. Nagy, A. Onu, A. Sălăgeanu, A. Mihalcea, *"The technological optimisation of aerobic bioprocess for a bacterial immunomodulator obtaining"*, Romanian International Conference on Chemistry and Chemical Engineering, RICCCE 15, Ed. Printech, ISBN 978-973-718-785-7, S-4-2 – S-4-3, Sinaia, Romania, 19-22 Septembrie, **2007**
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86. **Camelia Ungureanu**, O. Muntean, A.A. Chirvase, A. Sălăgeanu, A. Onu, I. Nagy, "*The optimizing concept of obtaining a therapeutical product according to the GMP guidelines*", 4th Symposium with International Participation „Drug Research Between Information and Life Sciences”, pp.7-8, ISSN 1842-4745, București, 19-20 Octombrie **2006**

E. Lucrări publicate în volumele unor conferințe naționale cu recenzori

1. **Camelia Ungureanu**, A.A. Chirvase, O. Muntean, "*Operarea discontinuă repetată a unui reactor biochimic*", A XXIX-a Conferință Națională de Chimie, Călimănești-Căciulata, pp. 338, ISBN 13 978 973 750 049-6, 04-06 octombrie **2006**
2. M. Ferdeș, **Camelia Ungureanu**, "*Studiul proprietăților antibacteriene și antifungice ale pigmentilor din *Monascus purpureus**", A VII-a Conferință de Inginerie Biomedicală, participare internațională, București, pp.1-7, ISBN 13: 978-973-8408-29-6, ed. Aisteda (recunoscută de CNCSIS), 9-10 Noiembrie **2006**
3. M. Ferdes, **Camelia Ungureanu**, "*Studiul sensibilității pigmentilor produși de *Monascus purpureus* la acțiunea unor factori de mediu*", A VIII-a Conferință de Inginerie Biomedicală, INGIMED, participare internațională, CD-ROM, ISBN10: 973-8408-28-8 și ISBN13 (EBN): 978-973-8408-28-9, pp. 42-49, ed. Aisteda (recunoscută de CNCSIS), București, 8-9 Noiembrie **2007**
4. **Camelia Ungureanu**, A. A. Chirvase, O. Muntean, I. Nagy, A. Onu, A. Sălăgeanu, A. Mihalcea, "*Elaborarea conceptului de operare "Repeated Batch" pentru bioprocesare de obținere substanțe terapeutice*", A VIII-a Conferință de Inginerie Biomedicală, INGIMED, participare internațională, CD-ROM, ISBN10: 973-8408-28-8 și ISBN13 (EBN): 978-973-8408-28-9, pp. 27-35, ed. Aisteda (recunoscută de CNCSIS), București, 8-9 Noiembrie **2007**
5. **Camelia Ungureanu**, A. A. Chirvase, M. Caramihai, N. Radu, "*The intelligent control modeling of the biotechnologies for the human biotherapeutics preparation*", Simpozionul Internațional Prioritățile Chimiei pentru o dezvoltare durabilă -PRIOCHEM-ICECHIM, ISBN 978-973-0-06996-9, pag. 88, Sinaia, 29-30 octombrie **2009**
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7. N.Radu, C. Corobea, M. Ferdes, O. Coman, I. Ghita Cristescu, **Camelia Ungureanu**, A. A.Chirvase, "*Nanobiomaterials obtaining by innovative biotechnologies and their therapeutic application*", Simpozionul Internațional Prioritățile Chimiei pentru o dezvoltare durabilă -PRIOCHEM-ICECHIM, ISBN 978-973-0-06996-9, pag. 20, Sinaia, 29-30 octombrie **2009**
8. A.A. Chirvase, C. Tănase, **Camelia Ungureanu**, M. Caramihai, A. Onu, O. Muntean, Gh. Sarbu, "*Intelligent control structure for the bioprocess of a therapeutic product preparation*", Simpozionul Internațional Prioritățile Chimiei pentru o dezvoltare durabilă -PRIOCHEM-, ICECHIM, vol. Abstracts, București, 28-29 octombrie **2010**

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9. A.A. Chirvase, M. Caramihai, **Camelia Ungureanu**, C. Tanase, “*Modelarea cresterii bacteriei Pseudomonas aeruginosa in bioproces aerob productive*” Simpozionul Internațional Prioritățile Chimiei pentru o dezvoltare durabilă -PRIOCHEM-, ICECHIM, vol. Abstracts, București, 27-28 octombrie **2011**

F. Lucrări publicate în volumele unor conferințe naționale fără recenzori

1. M. Ferdeș, **Camelia Ungureanu**, “*Pigmenții din Monascus purpureus - o alternativă naturală la coloranții alimentari de sinteză*”, Zilele Academiei ieșene, A XX-a sesiune de comunicări științifice a Institutului de Chimie Macromoleculară Petru Poni, Progrese în știința compușilor organici și macromoleculari, vol. rezumate, Iași, 27-30 septembrie **2006**
2. **Camelia Ungureanu**, O. Muntean, A. Onu, A. A. Chirvase, A. Sălăgeanu, I. Nagy, A. Mihalcea, “*Biotechnological process of obtaining an immunomodulator from an extract of Pseudomonas aeruginosa*”, International Conference on Intensifying Proceedings of Biomaterial Processings, PROBIOM, vol. Abstracts, pp. 24, Sinaia, Romania, 20 – 23 August, **2007**
3. **Camelia Ungureanu**, N. Radu, A. A. Chirvase, O. Muntean, I. Nagy, A. Onu, A. Salageanu, A. Mihalcea, *Optimizarea bioprocesului aerob de obținerea unui imunomodulator din Pseudomonas aeruginosa*, Simpozionul Internațional Prioritățile Chimiei pentru o dezvoltare durabilă -PRIOCHEM-, ICECHIM, pp. 7, vol. Rezumate, București 29-30 octombrie **2007**
4. Luminita Tcacenco, Ana Aurelia Chirvase, Irina Lupescu, Minodora Leca, Elena Berteanu, Nicoleta Radu, Diana Constantinescu–Groposila, **Camelia Ungureanu**, Mihaela Neagu, “*SISTEM ENZIMATIC PENTRU TRANSESTERIFICAREA ULEIURILOR VEGETALE*”, Sesiunea anuala INCDSB, vol. Abstract, 24-25 iunie 2010, Cluj-Napoca, 2010.
5. I. Demetrescu, D. Ionita, Pirvu C., A. Mazare, Dilea M., M. Mindroiu, Dionisie B., B. Stoian și **Camelia Ungureanu**, Workshop organizat in cadrul Proiectului PCCE 248 Iulie 2012 Bucuresti. About ability to build phoshate on metallic biomaterials: old and new approaches (oral)

G. Brevete obținute în întreaga activitate

1. **Brevet OSIM nr. 133346/30.06.2020**, Procedeu de îmbunătățire a activității antibacteriene a suprafețelor de aliaj de titan prin nanostructurare și decorare cu nanoparticule de CeO₂, C. Pirvu, S.A. Popescu, C. Dumitriu, **Camelia Ungureanu**, M.V. Mindroiu, 2020; [C:\wpdocs\Bopi\bopi620\bopi620 \(osim.ro\)](C:\wpdocs\Bopi\bopi620\bopi620 (osim.ro))
2. **Brevet OSIM Nr. 134424/30.04.2024**, Procedeu de obținere a unei compoziții cu efect antifungic pentru combaterea tulpinilor fitopatogene care afectează culturile de măr/, Soare L.C, Fierăscu I., Fierăscu R.C., **Ungureanu C.**, Călinescu M.F., Dobrescu C.M., Șuțan N.A.ș [C:\wpdocs\bopi\bopi424\Bopi_inv_04_202424 \(osim.ro\)](C:\wpdocs\bopi\bopi424\Bopi_inv_04_202424 (osim.ro))
3. **Brevet OSIM nr. 134423/29.11.2024**, Compoziție naturală fungicida pentru combaterea manei vitei de vie și metoda de obținere a acesteia, Fierăscu I., Fierăscu R.C., Fistos Toma, Soare Cristina, **Ungureanu Camelia**, Vizitiu Diana, Draghiceanu Oana Alexandra, Paunescu Alina. <C:\wpdocs\bopi\bopi1124\bopi1124>

Cereri de brevet:

4. **A00158/12.03.2019**; Compozitie ecologica antifungica de combatere a tulpinilor patogene care afecteaza vita de vie si metoda de obtinere a acesteia [RO134423A2.pdf \(storage.googleapis.com\)](#)
5. **A/00549/04.10.2023**; METODĂ DE DETECȚIE A BACTERIEI *ESCHERICHIA COLI* PRIN REZONANȚĂ PLASMONICĂ DE SUPRAFAȚĂ CUPLATĂ ELECTROCHIMIC UTILIZÂND ELECTROD MODIFICAT CU NANOPARTICULE DE AUR FITOSINTETIZATE ȘI PROCEDEU DE PREPARARE A ACESTUIA

H. Experiența acumulată în alte programe:

Programul/Proiectul	Funcția	Perioada: de la până la
1.Contract de cercetare nr. 6/7.10.2005 "Biotehnologii avansate de preparare a unor produse biologice terapeutice de uz uman și de diagnostic cu integrarea unor metode optimizate de asigurare a calității și de control, în conformitate cu standardele și normele europene", CEEX - BIOTECH	membru	2005 - 2008
2.Contract de cercetare nr.121/10.10.2005 "Analiza aprofundată privind implicațiile structurale rezultate din utilizarea combustibililor alternativi la fabricarea cimentului" CEEX-RELANSIN	membru	2005-2008
3.Contract de cercetare nr. 27/10.10.2005 "Produse biotehnologice cu activitate de stimulare, biofertilizare și antagonism microbial cu aplicări în agronomia durabilă", CEEX-BIOTECH	membru	2005-2008
4.Contract de cercetare nr. 86/ 2006 "Refractare monolitice pentru medii reducătoare întărite prin participarea nanoparticulelor", CEEX-RELANSIN	membru	2006-2009
5.Contract de cercetare nr.1/10.01.2006 "Determinarea naturii rocii și stabilității agregatelor furnizate de S.C. Hidroconstrucția Siret, Bacău"	membru	2006
6. Contract de cercetare nr. 54/2006 Platforma de cercetare, dezvoltare si formare profesionala interdisciplinara in Bioinginerie si Biotehnologie, BIOINGTEH, CNCSIS	membru	2006-2008

7. Contract de cercetare nr.188/1.10.2007 Obținere în flux integrat GMP a biopreparatelor de uz uman, Resurse umane-TD, CNCSIS	director de proiect	2007-2008
8. Contract de cercetare nr. 61-028/10.2007 Obținerea unor produse cu acțiune hipoglicemiantă – PN II - CNMP	membru	2007-2010
9. Contract de cercetare nr. 61-021/10.2007 Elaborarea biotehnologiilor avansate de preparare a produselor farmaceutice antioxidante cu torularhodină și studiul potențialelor aplicații terapeutice – PN II CNMP	membru	2007-2010
10. Contract de cercetare nr. 61-032/10.2007 Realizarea unor sisteme biocatalitice avansate pentru transesterificarea uleiurilor vegetale la biodiesel- PN II CNMP	membru	2007-2010
11. Contract de cercetare nr. 62-051/2008 Algoritmi avansați de decizie multicriterială și conducerea inteligentă a biotehnologiilor de preparare a produselor terapeutice de uz uman – PN II CNMP	membru	2008-2011
12. Contract de cercetare nr. 62-070 /2008 Conceperea și dezvoltarea unor biotehnologii inovative de obținere a nanopreparatelor din <i>Monascus sp.</i> cu aplicații potențiale în terapie – PN II CNMP	membru	2008-2011
13. Program operațional sectorial dezvoltarea resurselor umane, ID: 61839, apel 87/2010 Privim către viitor - Formarea profesională a cadrelor didactice pentru utilizarea resurselor informatice moderne în predarea eficientă a chimiei	Expert-coordonator regional de formare	2010
14. Program operațional sectorial dezvoltarea resurselor umane, ID Program operațional sectorial dezvoltarea resurselor umane, POSDRU/89/1.5/S/52432/2010 Școala postdoctorală de interes național “Biotehnologii Aplicate” cu impact în bioeconomia românească, Domeniu: Biotehnologii medicale	Expert pe termen scurt	2012 - 2013
15. Program operațional sectorial dezvoltarea resurselor umane POSDRU/109/2.1/G/81495. „BINE PREGĂTIȚI, BUNI PROFESIONIȘTI!”	Expert pe termen scurt – cadru didactic supervisor	2012-2013

16. Proiect PCCE – Cod CNCSIS 248 Noi concepte si strategii pentru dezvoltarea cunoasterii unor noi structuri biocompatibile in bioinginerie	membru	2012-2013
17. Cooperare bilaterală Romania-Argenitina, New generation of temporary and permanent implants based on alloy with nontoxic elements and innovative controlled micro and nano surface layers with biomimetic and antibacteriostatic properties	membru	2013-2015
18. Proiect nr. 253/2014, “Noi acoperiri nanostructurate multifunctionale pentru implanturi ortopedice (NANOCOAT)”	membru	2017
19. Proiect nr. 55/2017 “Sisteme antimicrobiene pe bază de deșeuri de Ti nanostructurate, modificate cu compuși naturali”. GEX	membru	2017-2018
20. Proiect nr. 6 PCCDI /2018 “Creșterea capacității instituționale de cercetare bioeconomică pentru exploatarea inovatoare a resurselor vegetale autohtone, în vederea obținerii de produse horticole cu valoare adăugată ridicată” depus la Programul 1 - Dezvoltarea sistemului național de cercetare-dezvoltare, Proiecte complexe realizate în consorții CDI (PCCDI)	Responsabil Proiect, UPB	2018-2021
21. Proiect IUCN No. 86, Theme No. 04-4-1121-2015/2020, Green bio-design of 3D hybrid bioarchitectures with applications in biomedical field	membru	2018-2020
22. No proiect: 2019-1-RO01-KA203-063773 “Creating Virtual Reality e-resources for European Sustainable Education in circular bioeconomy with bio-based products”	membru	2020-2021
23. Proiectul ROSE_AG_144/SGU/2019 Proiectul privind Învatamantul Secundar – ROSE Schema de Granturi Necompetitive pentru Universități Beneficiar: Universitatea POLITEHNICA din Bucuresti Titlul subproiectului: “Remedierea, Indrumarea, Sensibilizarea, Consilierea și dezvoltarea personală a studenților cu risc ridicat de abandon în priMul an de lIceNță – RISC MIN!” Acord de Grant nr. ROSE AG 147/SGU/NC/II din 10.09 2019	FORMATOR SEMINARII DE PREGATIRE FSP (S)	2019-2021

24. 652 PED/ Nanostructuri fitosintetizate de înaltă performanță utilizate ca senzori pentru detectarea microorganismelor patogene din produse alimentare	director de proiect	2022-2024
25. National Program for Research of the National Association of Technical Universities—GNACARUT 2023.	Membru	2023-2025
26. PROIECT DE TRANSFER LA OPERATORUL ECONOMIC (PTE 2024)	Membru	2025-2027

Data: septembrie 2025

Semnătura:

Conf. dr. ing. Camelia UNGUREANU