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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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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**
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4. **Camelia Ungureanu**, A. A. Chirvase, O. Muntean, I. Nagy, A. Onu, A. Sălăgeanu, A. Mihalcea, *Elaborarea conceptului de operare “Repeated Batch” pentru bioprosesare 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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F. Lucrări publicate în volumele unor conferințe naționale fără recenzori

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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.
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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, [C:\wpdocs\bopi\bopi425\Bopi_04_2025](#)
6. A00576 /02.12.2025 "Procedeu si instalatie pentru sterilizarea fluidelor alimentare in flux continuu si cu control automat"

H. Experiența acumulată în alte programe:

Programul/Proiectul	Funcția	Perioada: de la până la
1.Contract de cercetare nr. 6/7.10.2005 "Biotehnoologii 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", CEEEX - 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" CEEEX-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", CEEEX-BIOTECH	membru	2005-2008
4.Contract de cercetare nr. 86/ 2006 "Refractare monolitice pentru medii reducătoare întărite prin participarea nanoparticulelor", CEEEX-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 supervizor	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” deus 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	2023-2026
26. PROIECT DE TRANSFER LA OPERATORUL ECONOMIC (PTE 2024)	Membru	2025-2027

Data: februarie 2026

Semnătura:

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