

**UNIVERSITATEA NAȚIONALĂ DE ȘTIINȚĂ ȘI TEHNOLOGIE POLITEHNICA DIN
BUCUREȘTI**

FIȘA DE VERIFICARE A ÎNDEPLINIRII STANDARDELOR DE PREZENTARE LA

- OBTINEREA ATESTATULUI DE ABILITARE -

CANDIDAT: Conf. Dr. Ing. UNGUREANU Camelia

Departament: Chimie Generală, Facultatea de Inginerie Chimica si Biotehnologii, UNSTPB

Condiții	Îndeplinire condiții	
A. Doctor	Diploma de Doctor în domeniul Inginerie Chimică, Nr. 376 din 10.02.2009 emisă de Universitatea POLITEHNICA din București în baza OMECT 3030 din 13.01.2009	
B. Îndeplinirea standardelor minime naționale conform OMECTS nr. 6129/2016; Profesor universitar, Comisia 8.	Standarde îndeplinite, conform Comisiei CNATDCU Nr 8, Comisia Inginerie Chimică, Inginerie Medicală, Știința Materialelor Și Nanomateriale Anexată: Fișa de calcul și de susținere a îndeplinirii standardelor minime specifice domeniului, în acord cu realizările menționate:	
Standarde minime și obligatorii	Minim prevăzut	Realizat
Numarul total de articole ISI situate in top 25% (zona rosie)	4	10
Numarul din articole in reviste ISI la care autorul este autor principal, NP	20	43
Factor de impact cumulată, FIC	30	152.7301
Numarul total de citari (din baza de date SCOPUS, fara autocitari), NC	120	1407
Numarul de contracte de cercetare-dezvoltare-inovare obtinute prin competitie (director)	1	2
C. Atestarea studiilor (diploma + Foi Matricole) și a altor realizări profesionale	Diplomă licență , în profilul Chimie Industrială, specializarea Inginerie Biochimică, Nr. 1345 din 02.02.2006 emisă de Universitatea POLITEHNICA din București	
	Foie Matricolă la diploma de licență seria E, nr. 0004495 din registrul matricol, volumul 99, nr. Matricol 16207, anul 2000, pentru anii universitari 2000-2005	
	Diplomă de Master , Departamentul: de Bioinginerie și Biotehnologie, Specializarea Biotehnologie, Nr. 424 din 06.06.2008, Seria G, emisă de Universitatea POLITEHNICA din București	
	Foie Matricolă pentru Diploma de Master - Seria G, Nr. 0012424, număr matricol 243/3/2005, pentru anii universitari 2005-2007	
	Certificat de absolvire al Departamentului pentru Pregătirea Personalului Didactic ; Universitatea POLITEHNICA București, nr. certificat 3183 din 17.03.2006, Seria F, Nr. 0005693	
	Certificat de absolvire Manager al Sistemului de Management al calității , Seria E, Nr. 0122856, cod COR 242302.	

	Certificat de atestare a competențelor profesionale în domeniul Ingineria Sistemelor, emis de Universitatea POLITEHNICA București, Absolvent al programului postuniversitar de formare și dezvoltare profesională: Informatizarea serviciilor medicale , Seria B, Nr. 1727 din 30.09.2013.
	Certificat de atestare a competențelor profesionale în domeniul Ingineria Sistemelor, emis de Universitatea POLITEHNICA București, Absolvent al programului postuniversitar de formare și dezvoltare profesională: Comportament organizațional și leadership pentru inovare , Seria B, Nr. 1743 din 30.09.2013.
	Certificat de absolvire al programului postuniversitar de perfecționare Expert accesare fonduri structurale si de coeziune europene , Seria P, Nr. 0039290, 2024, emis de Ministerul Educatiei si Ministerul Muncii si Solidaritatii Sociale
	Certificat de atestare a competentelor profesionale al programului postuniversitar de formare si dezvoltare profesionala: Utilizarea instrumentelor digitale in abordarea pedagogica inovativa a instruirii , Seria CC, Nr. 0020959, 19.04.2024, emis de UNST POLITEHNICA Bucuresti.
	Diplomă Permisul European de Conducere a Computerului , eliberat de ECDL România, seria RO 006201din12.04.2005

Subsemnata Ungureanu Camelia, Departamentul Chimie Generală, Facultatea de Inginerie Chimica si Biotehnologii, din Domeniul de Studii Universitare Inginerie Chimică, arondat Comisiei de Specialitate CNATDCU [OMECTS 6129/20.12.2016] Nr 8, Inginerie Chimică, Inginerie Medicală, Știința Materialelor și Nanomateriale, declar pe propria răspundere, cunoscând prevederile art. 292 privind falsul în declarații, din Legea 286/2009 - Codul Penal, ca sunt îndeplinite toate Standardele minimale prevazute de Metodologia UPB 2013 actualizata in conformitate cu schimbarile de legislatie in domeniu in 2017 si 2018 pentru inscrierea la concurs si sustin veridicitatea informatiilor prezentate in dosar si in materialul de mai sus. Lucrarile considerate a fi incluse in Baza ISI Thomson Reuters sau in alte Baze de Date Internationale [BDI] sunt vizibile in aceste baze, in dreptul numelui candidatului, la aceasta data.

ÎN CONTINUARE: Fișa de calcul și de susținere a îndeplinirii standardelor minimale specifice domeniului, în acord cu realizările menționate

Candidat,

Conf. Dr. Ing. Ungureanu Camelia

Data: 03.02.2025

1. Numărul total de articole ISI situate în top 25% (zona roșie)

NTOP ≥ 4

NTOP =10

1. **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, (IF₂₀₂₃ = 3.1), WOS:000644555400001

The screenshot displays the journal information for *Materials*. The Journal Impact Factor (IF) is 3.1 for 2023 and 3.4 for the five-year average. The JCR Category table shows the following data:

JCR Category	Category Rank	Category Quartile
CHEMISTRY, PHYSICAL <i>in SCIE edition</i>	90/178	Q3
MATERIALS SCIENCE, MULTIDISCIPLINARY <i>in SCIE edition</i>	208/439	Q2
METALLURGY & METALLURGICAL ENGINEERING <i>in SCIE edition</i>	20/90	Q1
PHYSICS, APPLIED <i>in SCIE edition</i>	63/179	Q2
PHYSICS, CONDENSED MATTER <i>in SCIE edition</i>	32/79	Q2

2. **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, (IF₂₀₂₃ = 0.99), WOS:000629942900020

Journal information

ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH
 Publisher name: SPRINGER HEIDELBERG

Journal Impact Factor™

JCR Category	Category Rank	Category Quartile
ENVIRONMENTAL SCIENCES in SCIE edition	86/359	Q1

Source: Journal Citation Reports [Learn more](#)

Journal Citation Indicator™

JCI Category	Category Rank	Category Quartile
ENVIRONMENTAL SCIENCES in SCIE edition	86/359	Q1

The Journal Citation Indicator is a measure of the average Category Normalized

3. 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, (IF₂₀₂₃ = 4.8), WOS:000365363600003

Journal information

BIOELECTROCHEMISTRY
 Publisher name: ELSEVIER SCIENCE SA

Journal Impact Factor™

JCR Category	Category Rank	Category Quartile
BIOCHEMISTRY & MOLECULAR BIOLOGY in SCIE edition	67/313	Q1
BIOLOGY in SCIE edition	14/109	Q1
BIOPHYSICS in SCIE edition	10/77	Q1
ELECTROCHEMISTRY in SCIE edition	14/45	Q2

Source: Journal Citation Reports 2023. [Learn more](#)

4. Camelia Ungureanu, S. Popescu, G. Purcel, V. Tofan, M. Popescu, A. Sălageanu, C. Pîrvu, *Improved antibacterial behavior of titanium surface with torularhodin-polypyrrole film*, Materials Science and Engineering: C, 42, 726-733, (IF₂₀₂₃ = 8.1), (ISI Web of Knowledge, SCOPUS), 2014, (IF₂₀₂₃ = 8.1), WOS:000340687400091

Journal information

MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS
 Publisher name: ELSEVIER

Journal Impact Factor™
8.1 2023
 7.5 Five Year

JCR Category	Category Rank	Category Quartile
MATERIALS SCIENCE, BIOMATERIALS in SCIE edition	8/53	Q1

Source: Journal Citation Reports 2023. [Learn more](#)

Journal Citation Indicator™
1.34 2023
 1.37 2022

JCI Category	Category Rank	Category Quartile

5. 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, (IF₂₀₂₃ = 9.7), (ISI Web of Knowledge, SCOPUS), 2013, WOS:000316707200062

Journal information

BIORESOURCE TECHNOLOGY
 Publisher name: ELSEVIER SCI LTD

Journal Impact Factor™
 2023: 9.7, Five Year: 9.4

JCR Category	Category Rank	Category Quartile
AGRICULTURAL ENGINEERING <i>in SCIE edition</i>	1/20	Q1
BIOTECHNOLOGY & APPLIED MICROBIOLOGY <i>in SCIE edition</i>	10/174	Q1
ENERGY & FUELS <i>in SCIE edition</i>	21/171	Q1

Source: Journal Citation Reports 2023. [Learn more](#)

Journal Citation Indicator™
 2023: 1.77, 2022: 1.79

6. **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, (IF₂₀₂₃ = 6.5), (ISI Web of Knowledge, SCOPUS), 2012, WOS:000309695700010**

Journal information

PROGRESS IN ORGANIC COATINGS
 Publisher name: ELSEVIER SCIENCE SA

Journal Impact Factor™
 2023: 6.5, Five Year: 6

JCR Category	Category Rank	Category Quartile
CHEMISTRY, APPLIED <i>in SCIE edition</i>	9/74	Q1
MATERIALS SCIENCE, COATINGS & FILMS <i>in SCIE edition</i>	2/23	Q1

Source: Journal Citation Reports 2023. [Learn more](#)

Journal Citation Indicator™
 2023: 1.19, 2022: 1.13

7. Barbinta-Patrascu, M. E., **Camelia Ungureanu**, Iordache, S. M., Iordache, A. M., Bunghez, I., Ghiurea, M., Stamatina, 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, (IF₂₀₂₃ = 8.1), (ISI WEB OF KNOWLEDGE, SCOPUS) 2014, WOS:000343949200025

The screenshot displays the journal information for 'MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS'. The article title is 'Eco-designed biohybrids based on liposomes, mint-nanosilver and carbon nanotubes for antioxidant and antimicrobial coating'. The journal's 2023 Journal Impact Factor is 8.1, and its 2022 JCI is 1.37. The JCR Category is 'MATERIALS SCIENCE, BIOMATERIALS in SCIE edition' with a Category Rank of 8/53 and a Category Quartile of Q1 (circled in red). The publisher is ELSEVIER.

JCR Category	Category Rank	Category Quartile
MATERIALS SCIENCE, BIOMATERIALS in SCIE edition	8/53	Q1

8. **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>; (IF₂₀₂₃ = 5.0); WOS:001149253000001

Chloride Bio-Nanoparticles
Barbinta-Patrascu, MG; Nichita, C.; Zgura, I
Nov 2024 | INTERNATIONAL JOURNAL OF MOLECULAR CATALYSIS A: THE CHEMISTRY OF SOLID SURFACES
Enriched Cited References

This research targets the need for eco-friendly strategies importance of valorization of vegetal waste. This study focuses on the synthesis of gold-silver chloride nanoparticles and their application in the degradation of dyes and pesticides and phytosynthesized gold-silver chloride nanoparticles.

Free Full Text from Publisher

2 State-of-the-Art Advances and Current Applications of Gels
Ungureanu, C.; Raileanu, S.; Bumei, C
Jan 2024 | GELS
10 (1)

Gel-based membranes, a fusion of polymer networks and various functional groups, have found applications in a wide variety of technological domains thanks to their unique properties. This review discusses the recent advances in synthetic membranes for basic filtration tasks, recent advancements in synthetic membranes for water treatment, and the use of gels in various applications.

Free Full Text from Publisher

3 EXPLORING PATHOGENIC BACTERIA IN CLOSTRIDIUM ISOLATION STUDIES
Ungureanu, C.; Zgărsan, R.; Fădăruș, V
2024
UNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC PUBLICATIONS
SCIENCE 86 (3), pp.43-64

Journal information

GELS
Publisher name: MDPI

Journal Impact Factor™
5
2023
Five Year

JCR Category	Category Rank	Category Quartile
POLYMER SCIENCE <i>in SCIE edition</i>	14/95	Q1

Source: Journal Citation Reports 2023. [Learn more](#)

Journal Citation Indicator™
1.02
2023
0.76
2022

JCI Category	Category Rank	Category Quartile
POLYMER SCIENCE <i>in SCIE edition</i>	14/95	Q1

9. Popescu, M., Ungureanu, C. Green Nanomaterials for Smart Textiles Dedicated to Environmental and Biomedical Applications (2023) Materials, 16 (11), art. no. 4075. (IF₂₀₂₃ = 3.1); WOS:001004718600001

Green Nanomaterials for Smart Textiles Dedicated to Environmental and Biomedical Applications
Popescu, M. and Ungureanu, C
May 30 2023 | MATERIALS
16 (11)

Smart textiles recently reaped significant attention owing to their applications in environmental and biomedical monitoring. Integrating green nanomaterials into textiles can enhance their functionality and sustainability. This review will outline the recent advances in the synthesis and application of green nanomaterials in smart textiles.

Free Full Text from Publisher

Journal information

MATERIALS
Publisher name: MDPI

Journal Impact Factor™
3.1
2023
3.4
Five Year

JCR Category	Category Rank	Category Quartile
CHEMISTRY, PHYSICAL <i>in SCIE edition</i>	90/1178	Q3
MATERIALS SCIENCE, MULTIDISCIPLINARY <i>in SCIE edition</i>	208/439	Q2
METALLURGY & METALLURGICAL ENGINEERING <i>in SCIE edition</i>	20/90	Q1
PHYSICS, APPLIED <i>in SCIE edition</i>	63/179	Q2
PHYSICS, CONDENSED MATTER <i>in SCIE edition</i>	32/79	Q2

10. 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, (IF₂₀₂₃ = 3.1); WOS:000839164100001

Journal information

MATERIALS
 Publisher name: MDPI

Journal Impact Factor™
 2023: 3.1
 Five Year: 3.4

JCR Category	Category Rank	Category Quartile
CHEMISTRY, PHYSICAL <i>in SCIE edition</i>	90/178	Q3
MATERIALS SCIENCE, MULTIDISCIPLINARY <i>in SCIE edition</i>	208/439	Q2
METALLURGY & METALLURGICAL ENGINEERING <i>in SCIE edition</i>	20/90	Q1
PHYSICS, APPLIED <i>in SCIE edition</i>	63/179	Q2
PHYSICS, CONDENSED MATTER <i>in SCIE edition</i>	32/79	Q2

Numărul din articole în reviste ISI la care autorul este autor principal, NP

NP ≥ 20;

NP = 43

		ANEXA 3.b
NUMĂR ARTICOLE ÎN REVISTE ISI CA AUTOR PRINCIPAL (PRIM AUTOR SAU AUTOR DE CORESPONDENȚĂ)		
Nr.crt.	Articol	Observații
1	Ungureanu, C. ; Răileanu, S.; Zgârian, R.; Tihan, G.; Burnei, C. State-of-the-Art Advances and Current Applications of Gel-Based Membranes. <i>Gels</i> 2024, 10, 39. https://doi.org/10.3390/gels10010039 , WOS:001149253000001	prim autor
2	Ungureanu, C. ; Zgârian, R.; Tihan, G.; Fadeev, V. Exploring pathogenic bacteria in cheese: insights from microbial isolation studies, <i>Sci. Bull., Series B</i> , 201, ISSN 1223-7027, 2024, VAPOR LIQUID (upb.ro) , WOS:001301114000004	prim autor
3	Ungureanu, C. , Tihan, G., Zgârian, R., Pandealea, G. Bio-Coatings for Preservation of Fresh Fruits and Vegetables (2023) <i>Coatings</i> , 13 (8), art. no. 1420, WOS:001056542300001	prim autor
4	Popescu, M., Ungureanu, C. Green Nanomaterials for Smart Textiles Dedicated to Environmental and Biomedical Applications (2023) <i>Materials</i> , 16 (11), art. no. 4075; WOS:001004718600001	autor de corespondență
5	Popescu, M., Ungureanu, C. Biosensors in Food and Healthcare Industries: Bio-Coatings Based on Biogenic Nanoparticles and Biopolymers (2023) <i>Coatings</i> , 13 (3), art. no. 486; WOS:000968416100001	autor de corespondență
6	Pandealea, 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) <i>Agronomy</i> , 13 (5), art. no. 1363, WOS:000995075400001	autor de corespondență
7	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 , <i>Optoelectronics and Advanced Materials - Rapid Communications</i> , 16, 9-10, September-October 2022, pp.458-463 (2022), OAM-RC :: Articles (inoe.ro) , WOS:000880187100009	autor de corespondență
8	Ungureanu, C. , Fierascu, I., & Fierascu, R. C. (2022). Sustainable use of cruciferous wastes in nanotechnological applications. <i>Coatings</i> , 12(6) doi:10.3390/coatings12060769, WOS:000816201600001	prim autor
9	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. <i>Materials</i> , 15(15) doi:10.3390/ma15155374, WOS:000839164100001	prim autor

10	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. <i>Materials</i> ,15(22), doi:10.3390/ma15228188, WOS:000887359200001	autor de corespondență
11	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. <i>Antioxidants</i> , 10(5) doi:10.3390/antiox10050748, WOS:000653342300001	autor de corespondență
12	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. <i>Materials</i> , 14(16) doi:10.3390/ma14164726, WOS:000689574500001	autor de corespondență
13	Ungureanu, C. , Barbulescu, L., Dumitriu, C., Manole, C., & Pirvu, C. (2021). Titanium industrial residues surface modification towards its reuse as antimicrobial surfaces. <i>Environmental Science and Pollution Research</i> , 28(28), 38224-38237. doi:10.1007/s11356-021-13359-x, WOS:000629942900020	prim autor
14	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. <i>Materials</i> , 14(8) doi:10.3390/ma14081845, WOS:000644555400001	prim autor
15	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. <i>Coatings</i> , 10(7) doi:10.3390/coatings10070659; WOS:000556474000001	autor de corespondență
16	Barbinta-Patrascu, M. E., Ungureanu, C. , Badea, N., Constantin, M., Purcar, V., & Ispas, A. (2020). Bioperformances of honey-phytonanosilver in silica materials. <i>Journal of Optoelectronics and Advanced Materials</i> , 22(5-6), 310-315, WOS:000563834000017	autor de corespondență
17	Barbinta-Patrascu, M. E., Ungureanu, C. , Besliu, D., Lazea-Stoyanova, A., & Iosif, L. (2020). Bio-active nanomaterials phyto-generated from weed herb cirsium arvense. <i>Optoelectronics and Advanced Materials, Rapid Communications</i> , 14(9-10), 459-465, WOS:000606797600013	autor de corespondență
18	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. <i>Revista De Chimie</i> , 70(11), 3913-3916. doi:10.37358/rc.70.19.11.7671, WOS:000503185300028	prim autor
19	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. <i>Pharmaceutics</i> , 11(8) doi:10.3390/pharmaceutics11080363, WOS:000484515100040	autor de corespondență
20	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. <i>Journal of Optoelectronics and Advanced Materials</i> , 20(9-10), 551-557, WOS:000452505200017	autor de corespondență

21	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. <i>Journal of Nanomaterials</i> , 2017 doi:10.1155/2017/4214017, WOS:000405149800001	autor de corespondență
22	Ungureanu, Camelia , Dumitriu, C., Popescu, S., Enculescu, M., Tofan, V., Popescu, M., & Pirvu, C. (2016). Enhancing antimicrobial activity of TiO ₂ /Ti by torularhodin bioinspired surface modification. <i>Bioelectrochemistry</i> , 107, 14-24. doi:10.1016/j.bioelechem.2015.09.001, WOS:000365363600003,	prim autor
23	Mihalcea, A., Onu, A., Tucureanu, C., Ungureanu, Camelia , Raileanu, S., Salageanu, A., & Muntean, O. (2015). Extraction of torularhodin from rhodotorula rubra yeast using sunflower oil. <i>Revista De Chimie</i> , 66(10), 1692-1695, WOS:000368436300031,	autor de corespondență
24	Ungureanu, Camelia , Ioniță, D., Berteanu, E., Tcacenco, L., Zuav, A., & Demetrescu, I. (2015). Improving natural biopolymeric membranes based on chitosan and collagen for biomedical applications introducing silver. <i>Journal of the Brazilian Chemical Society</i> , 26(3), 458-465. doi:10.5935/0103-5053.20150298, WOS:000352322400007,	prim autor
25	Ungureanu, Camelia , Popescu, S., Purcel, G., Tofan, V., Popescu, M., Sălăgeanu, A., & Pirvu, C. (2014). Improved antibacterial behavior of titanium surface with torularhodin-polypyrrole film. <i>Materials Science and Engineering C</i> , 42, 726-733. doi:10.1016/j.msec.2014.06.020, WOS:000340687400091,	prim autor
26	Patrascu, M. E. B., Ungureanu Camelia , & Rau, I. (2014). Biohybrids based on carbon nanotubes and liposomes - biophysical studies. <i>Molecular Crystals and Liquid Crystals</i> , 604(1), 1-10. doi:10.1080/15421406.2014.978553, WOS:000346350400001,	autor de corespondență
27	Barbinta-Patrascu, M. E., Iordache, S. M., Iordache, A. M., Badea, N., & Ungureanu, C. (2014). Nanobioarchitectures based on chlorophyll photopigment, artificial lipid bilayers and carbon nanotubes. <i>Beilstein Journal of Nanotechnology</i> , 5(1), 2316-2325. doi:10.3762/bjnano.5.240, WOS:000346612600002	autor de corespondență
28	Barbinta-Patrascu, M. E., Ungureanu, Camelia , Iordache, S. M., Iordache, A. M., Bunghez, I. -, Ghiurea, M., . . . Stamatina, I. (2014). Eco-designed biohybrids based on liposomes, mint-nanosilver and carbon nanotubes for antioxidant and antimicrobial coating. <i>Materials Science and Engineering C</i> , 39(1), 177-185. doi:10.1016/j.msec.2014.02.038, WOS:000343949200025	autor de corespondență
29	Tanase, C., Camelia Ungureanu. , & Raileanu, S. (2013). Fuzzy techniques vs. multicriteria optimization method in bioprocess control. <i>Revista De Chimie</i> , 64(12), 1399-1403, WOS:000330914400007	autor de corespondență

30	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 <i>Rhodotorula rubra</i> . Bioresour. Technol. Volume 132, March 2013, Pages 406-409; WOS:000316707200062	prim autor
31	Camelia Ungureanu , Pirvu, C., Mindroiu, M., Demetrescu, I., Antibacterial polymeric coating based on polypyrrole and polyethylene glycol on a new alloy TiAlZr, (2012) Progress in Organic Coatings, 75 (4), pp. 349-355; WOS:000309695700010	prim autor
32	A. Mihalcea, Camelia Ungureanu , A.A. Chirvase, A. Onu, Separation by microfiltration of <i>Rhodotorula rubra</i> cells from the Culture Broth, Revista de chimie (2012), vol. 63, nr. 5, pp. 536-539; WOS:000304494200018	autor de corespondență
33	Camelia Ungureanu , M. Ferdes, A.A. Chirvase, Torularhodin biosynthesis and extraction by yeast cells of <i>Rhodotorula rubra</i> , Revista de chimie (2012), vol. 63, nr. 3, pp. 316-318; WOS:000303091400015	prim autor + autor de corespondență
34	C. Tanase, A. A.Chirvase, Camelia Ungureanu , M. Caramihai, O. Muntean, "Study of double-substrate limited growth of <i>Pseudomonas aeruginosa</i> in aerobic processes", Revue Roumaine de Chimie (2011), ISSN: 0035-3930, 56(12), pp. 1143-1149; WOS:000304225400008	autor de corespondență
35	Camelia Ungureanu , Ionita, D., Badea, N., Demetrescu, I., From nanoscale engineering to biomedical application - characterization of pulse electrodeposited biomimetic antibacterial coating on Ti6Al4Zr, (2011), Digest Journal of Nanomaterials and Biostructures, ISSN 1842 – 3582, 6 (3), pp. 1273-1279; WOS:000297986100044	prim autor
36	Mihalcea, A., Camelia Ungureanu , Ferdes, M., Chirvase, A.A., Tanase, C. The influence of operating conditions on the growth of the yeast <i>Rhodotorula Rubra</i> ICCF 209 and on torularhodin formation, (2011), Revista de Chimie, ISSN 0034-7752, 62 (6), pp. 659-665; WOS:000292629400014	autor de corespondență
37	Ferdes, M., Camelia Ungureanu , Mihalcea, A., Chirvase, A.A., Mocanu, E. The influence of the carbon source on torularhodin pigment biosynthesis, (2011), Revista de Chimie, ISSN 0034-7752, 62 (3), pp. 339-343; WOS:000289814300016	autor de corespondență
38	Ferdes, M., Camelia Ungureanu* , Study of relationship between enzymes production, growth rate and pigmentogenesis for five mutant strains of <i>monascus ruber</i> , (2011), Revista de Chimie, ISSN 0034-7752, 62 (1), pp. 75-81, WOS:000288339400015	autor de corespondență
39	Chirvase, A.A., Camelia Ungureanu* , Tcacenco, L., Radu, N. Determination of yeast strains characteristics as lipase providers for enzymatic transesterification to biodiesel, (2010), Revista de Chimie, 61 (9), pp. 866-868; WOS:000284137400013	autor de corespondență
40	Camelia Ungureanu , Dima, R., Onu, A., Mihalcea, A. Separation by microfiltration of <i>Pseudomonas aeruginosa</i> cells from the culture broth, (2009), Revista de Chimie, 60 (1), pp. 48-54; WOS:000264040000012	prim autor

41	Camelia Ungureanu , Caramihai, M., Chirvase, A.A., Muntean, O., Nagy, I., Onu, A., Salageanu, A, Model and kinetic parameters identification for therapeutical product obtained according to the GMP guidelines, (2008), Revista de Chimie, 59 (7), pp. 762-765; WOS:000259310500012	prim autor + autor de corespondență
42	Crutescu, R., Camelia Ungureanu* , Vasilescu, P. Biodegradation of phenols by a pure bacteria of <i>Pseudomonas putida</i> and by a mixed culture of <i>Pseudomonas</i> various, (2008), Revista de Chimie, 59 (4), pp. 434-439; WOS:000256072400017	autor de corespondență
43	Crutescu, R., Camelia Ungureanu* , Aspects regarding the kinetics of phenols degradation by <i>Pseudomonas putida</i> , (2007), Revista de Chimie, 58 (12), pp. 1322-1326; WOS:000252496200033	autor de corespondență
	TOTAL	43

1. Factor de impact cumulat, FIC

FIC \geq 30;

FIC = 152, 7301

Nr.crt.	Articol	FI 2023
1	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, WOS:000378124600024	0.1400
2	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, WOS:000471359100012	0.9000
3	Barbinta-Patrascu, M. E., Badea, N., Constantin, M., Ungureanu, C., Nichita, C., Iordache, S. M., . . . Antohe, S. (2018). Bio-activity of organic/inorganic phyto-generated composites in bio-inspired systems. Romanian Journal of Physics, 63(5-6), WOS:000440033800008	0.1500
4	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, WOS:000383930900106	1.0125

5	Barbinta-Patrascu, M. E., Badea, N., Ungureanu, C., Constantin, M., Pirvu, C., & Rau, I. (2016). Silver-based biohybrids "green" synthesized from chelidonium majus L. <i>Optical Materials</i> , 56, 94-99. doi:10.1016/j.optmat.2015.10.021, WOS:000375517200018	0.6333
6	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. <i>Journal of Nanomaterials</i> , 2017 doi:10.1155/2017/4214017, WOS:000405149800001	3.7910
7	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. <i>Romanian Reports in Physics</i> , 69(1), WOS:000401305200018	0.3500
8	Barbinta-Patrascu, M. E., Constantin, M., Badea, N., Ungureanu, C., Iordache, S. M., Purcar, V., & Antohe, S. (2019). Tangerine-generated silver - silica bioactive materials. <i>Romanian Journal of Physics</i> , 64(3-4), WOS:000466102900007	0.1714
9	Barbinta-Patrascu, M. E., Iordache, S. M., Iordache, A. M., Badea, N., & Ungureanu, C. (2014). Nanobioarchitectures based on chlorophyll photopigment, artificial lipid bilayers and carbon nanotubes. <i>Beilstein Journal of Nanotechnology</i> , 5(1), 2316-2325. doi:10.3762/bjnano.5.240, WOS:000346612600002	0.5200
10	Barbinta-Patrascu, M. E., Ungureanu, C., Iordache, S. M., Bunghez, I. R., Badea, N., & Rau, I. (2014). Green silver nanobioarchitectures with amplified antioxidant and antimicrobial properties. <i>Journal of Materials Chemistry B</i> , 2(21), 3221-3231. doi:10.1039/c4tb00262h, WOS:000336072400007	1.0167
11	Barbinta-Patrascu, M. E., Ungureanu, C., Iordache, S. M., Iordache, A. M., Bunghez, I. -, Ghiurea, M., . . . Stamatin, I. (2014). Eco-designed biohybrids based on liposomes, mint-nanosilver and carbon nanotubes for antioxidant and antimicrobial coating. <i>Materials Science and Engineering C</i> , 39(1), 177-185. doi:10.1016/j.msec.2014.02.038, WOS:000343949200025	8.1000
12	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. <i>Journal of Optoelectronics and Advanced Materials</i> , 20(9-10), 551-557, WOS:000452505200017	0.6000
13	Chirvase, A. A., Ungureanu, C., Tcacenco, L., & Radu, N. (2010). Determination of yeast strains characteristics as lipase providers for enzymatic transesterification to biodiesel. <i>Revista De Chimie</i> , 61(9), 866-868, WOS:000284137400013	1.7550
14	Crutescu, R., & Ungureanu, C. (2007). Aspects regarding the kinetics of phenols degradation by pseudomonas putida. <i>Revista De Chimie</i> , 58(12), 1322-1326, WOS:000252496200033	1.7550

15	Crutescu, R., Ungureanu, C., & Vasilescu, P. (2008). Biodegradation of phenols by a pure bacteria of pseudomonas putida and by a mixed culture of pseudomonas various. <i>Revista De Chimie</i> , 59(4), 434-439. doi:10.37358/rc.08.4.1804, WOS:000256072400017	1.7550
16	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. <i>Journal of Optoelectronics and Advanced Materials</i> , 17(11-12), 1816-1825, WOS:000368046700031	0.1200
17	Dumitriu, C., Popescu, M., Ungureanu, C., & Pirvu, C. (2015). Antibacterial efficiencies of TiO ₂ nanostructured layers prepared in organic viscous electrolytes. <i>Applied Surface Science</i> , 341, 157-165. doi:10.1016/j.apsusc.2015.02.183, WOS:000352214700021	1.5750
18	Dumitriu, C., Ungureanu, C., Popescu, S., Tofan, V., Popescu, M., & Pirvu, C. (2015). Ti surface modification with a natural antioxidant and antimicrobial agent. <i>Surface and Coatings Technology</i> , 276, 175-185. doi:10.1016/j.surfcoat.2015.06.063, WOS:000360594600022	0.9000
19	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. <i>Carbohydrate Polymers</i> , 181, 215-223. doi:10.1016/j.carbpol.2017.10.082, WOS:000418661000027	1.0700
20	Ferdes, M., & Ungureanu, C. (2011). Study of relationship between enzymes production, growth rate and pigmentogenesis for five mutant strains of monascus ruber. <i>Revista De Chimie</i> , 62(1), 75-81, WOS:000288339400015	1.7550
21	Ferdes, M., Ungureanu, C., Mihalcea, A., Chirvase, A. A., & Mocanu, E. (2011). The influence of the carbon source on torularhodin pigment biosynthesis. <i>Revista De Chimie</i> , 62(3), 339-343, WOS:000289814300016	1.7550
22	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. <i>BMC Complementary and Alternative Medicine</i> , 18(1) doi:10.1186/s12906-017-2066-8, WOS:000419623100001	0.3985
23	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. <i>Romanian Biotechnological Letters</i> , 20(4), 10626-10636, WOS:000361481700009	0.1093
24	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). <i>Food and Chemical Toxicology</i> , 111, 44-52. doi:10.1016/j.fct.2017.11.008, WOS:000423248100005	0.3250

25	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). <i>Farmacia</i> , 64(3), 403-408, WOS:000378584400013	0.1556
26	Florea, M. G., Nedelcu, I. -, Ungureanu, C., Ficai, A., Ficai, D., Guran, C., & Andronescu, E. (2013). Alginate and sulfanilamide based dds with antibacterial activity. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 63(2), 92-96. doi:10.1080/00914037.2013.769253, WOS:000328538900006	0.3571
27	Greco, M., Novac, G., Ionita, D., & Ungureanu, C. (2011). Incorporation of tobramycin biomimetic in hydroxyapatite coating on CoCrMo alloy and its antimicrobial acitivity. <i>Revista De Chimie</i> , 62(3), 352-356, WOS:000289814300019	1.7500
28	Grigorescu, S., Ungureanu, C., Kirchgeorg, R., Schmuki, P., & Demetrescu, I. (2013). Various sized nanotubes on TiZr for antibacterial surfaces. <i>Applied Surface Science</i> , 270, 190-196. doi:10.1016/j.apsusc.2012.12.165, WOS:000316790200029	1.2600
29	Hup, L., Nedelcu, I. -, Ungureanu, C., Sonmez, M., & Andronescu, E. (2014). Methylene blue based antiseptic chitosan/hydroxyapatite composite materials. <i>Revista De Chimie</i> , 65(5), 521-524, WOS:000337011900004	1.7500
30	Ionita, D., Greco, M., Ungureanu, C., & Demetrescu, I. (2011). Antimicrobial activity of the surface coatings on TiAlZr implant biomaterial. <i>Journal of Bioscience and Bioengineering</i> , 112(6), 630-634. doi:10.1016/j.jbiosc.2011.07.022, WOS:000300332700020	0.5750
31	Ionita, D., Greco, M., Ungureanu, C., & Demetrescu, I. (2011). Modifying the TiAlZr biomaterial surface with coating, for a better anticorrosive and antibacterial performance. <i>Applied Surface Science</i> , 257(21), 9164-9168. doi:10.1016/j.apsusc.2011.05.125, WOS:000292539700064	1.5750
32	Ionita, D., Ungureanu, C., & Demetrescu, I. (2013). Electrochemical and antibacterial performance of CoCrMo alloy coated with hydroxyapatite or silver nanoparticles. <i>Journal of Materials Engineering and Performance</i> , 22(11), 3584-3591. doi:10.1007/s11665-013-0653-5, WOS:000326888500043	0.7333
33	Ionita, D., Ungureanu, C., Prodana, M., Negru, A. M., & Enachescu, M. (2018). Hybrid materials based on multi-walled carbon nanotubes with antimicrobial properties. <i>Revista De Chimie</i> , 69(10), 2625-2632. doi:10.37358/rc.18.10.6594, WOS:000451925300006	0.3510
34	Manea, A. -, Ungureanu, C., & Meghea, A. (2014). Effect of vegetable oils on obtaining lipid nanocarriers for sea buckthorn extract encapsulation. <i>Comptes Rendus Chimie</i> , 17(9), 934-943. doi:10.1016/j.crci.2013.10.020, WOS:000341121600009	0.4000
35	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. <i>Revista De Chimie</i> , 70(1), 124-127. doi:10.37358/rc.19.1.6865, WOS:000460428100027	0.4388

36	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. <i>Revista De Chimie</i> , 66(10), 1692-1695, WOS:000368436300031	1.7550
37	Mihalcea, A., Ungureanu, C., Ana Aurelia, C., & Adrian, O. (2012). Separation by microfiltration of rhodotorula rubra cells from the culture broth. <i>Revista De Chimie</i> , 63(5), 536-539, WOS:000304494200018	1.7550
38	Mihalcea, A., Ungureanu, C., Ferdes, M., Chirvase, A. A., & Tanase, C. (2011). The influence of operating conditions on the growth of the yeast rhodotorula rubra ICCF 209 and on torularhodin formation. <i>Revista De Chimie</i> , 62(6), 659-665, WOS:000292629400014	1.7550
39	Mîndroiu, M., Ungureanu, C., Ion, R., & Pîrvu, C. (2013). The effect of deposition electrolyte on polypyrrole surface interaction with biological environment. <i>Applied Surface Science</i> , 276, 401-410. doi:10.1016/j.apsusc.2013.03.107, WOS:000318979800058	1.5750
40	Ortan, A., Fierascu, I., Ungureanu, C., Fierascu, R. C., Avramescu, S. M., Dumitrescu, O., & Dinu-Pîrvu, C. E. (2015). Innovative phytosynthesized silver nanoarchitectures with enhanced antifungal and antioxidant properties. <i>Applied Surface Science</i> , 358, 540-548. doi:10.1016/j.apsusc.2015.07.160, WOS:000366220500006	0.9000
41	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. <i>Journal of Nanomaterials</i> , 2015 doi:10.1155/2015/587989, WOS:000363133500001	0.3446
42	Patrascu, M. E. B., Ungureanu, C., & Rau, I. (2014). Biohybrids based on carbon nanotubes and liposomes - biophysical studies. <i>Molecular Crystals and Liquid Crystals</i> , 604(1), 1-10. doi:10.1080/15421406.2014.978553, WOS:000346350400001	0.7000
43	Popescu, M. C., Ungureanu, C., Buse, E., Nastase, F., Tucureanu, V., Sucheana, M., . . . Popescu, M. A. (2019). Antibacterial efficiency of cellulose-based fibers covered with ZnO and Al ₂ O ₃ by atomic layer deposition. <i>Applied Surface Science</i> , 481, 1287-1298. doi:10.1016/j.apsusc.2019.03.268, WOS:000472176900151	0.7875
44	Popescu, S., Ungureanu, C., Albu, A. M., & Pîrvu, C. (2014). Poly(dopamine) assisted deposition of adherent PPy film on Ti substrate. <i>Progress in Organic Coatings</i> , 77(11), 1890-1900. doi:10.1016/j.porgcoat.2014.06.023, WOS:000353185300038	1.6250
45	Prodana, M., Ionita, D., Ungureanu, C., Bojin, D., & Demetrescu, I. (2011). Enhancing antibacterial effect of multiwalled carbon nanotubes using silver nanoparticles. <i>Digest Journal of Nanomaterials and Biostructures</i> , 6(2), 549-556, WOS:000290789400023	0.2000
46	Soare, L. C., Ferdes, M., Stefanov, S., Denkova, Z., Nicolova, R., Denev, P., & Ungureanu, C. (2012). Antioxidant and antimicrobial properties of some plant extracts. <i>Revista De Chimie</i> , 63(4), 432-434. WOS:000304292600019	0.2507

47	Spoiala, A., Albu, M. G., Fikai, A., Andronescu, E., Voicu, G., & Ungureanu, C. (2014). The SiO ₂ /ZnO composite materials for cosmetic creams. Digest Journal of Nanomaterials and Biostructures, 9(4), 1729-1737, WOS:000346138800045	0.1667
48	Tanase, C., Chirvase, A. A., Ungureanu, C., Caramihai, M., & Muntean, O. (2011). Study of double-substrate limited growth of pseudomonas aeruginosa in aerobic bioprocess. Revue Roumaine De Chimie, 56(12), 1147-1153, WOS:000304225400008	0.4000
49	Tanase, C., Ungureanu, C., & Raileanu, S. (2013). Fuzzy techniques vs. multicriteria optimization method in bioprocess control. Revista De Chimie, 64(12), 1399-1403, WOS:000330914400007	1.7550
50	Tcacenco, L., Chirvase, A. A., Ungureanu, C., & Berceanu, E. (2010). The preparation and immobilization of some yeast lipases for rapeseed oil transesterification to biodiesel. Romanian Biotechnological Letters, 15(5), 5631-5639, WOS:000283884600014	0.1913
51	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, WOS:000363820900009	0.1500
52	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/pharmaceutics1108036, WOS:000484515100040	4.9000
53	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, WOS:000503185300028	1.7550
54	Ungureanu, C., Caramihai, M., Chirvase, A. A., Muntean, O., Nagy, I., Onu, A., & Salageanu, A. (2008). Model and kinetic parameters identification for therapeutical product obtained according to the GMP guidelines. Revista De Chimie, 59(7), 762-765. doi:10.37358/rc.08.7.1891, WOS:000259310500012	1.7550
55	Ungureanu, C., Dima, R., Onu, A., & Mihalcea, A. (2009). Separation by microfiltration of pseudomonas aeruginosa cells from the culture broth. Revista De Chimie, 60(1), 48-54, WOS:000264040000012	1.7550
56	Ungureanu, C., Dumitriu, C., Popescu, S., Enculescu, M., Tofan, V., Popescu, M., & Pirvu, C. (2016). Enhancing antimicrobial activity of TiO ₂ /Ti by torularhodin bioinspired surface modification. Bioelectrochemistry, 107, 14-24. doi:10.1016/j.bioelechem.2015.09.001, WOS:000365363600003	4.8000
57	Ungureanu, C., Ferdes, M., & Chirvase, A. A. (2012). Torularhodin biosynthesis and extraction by yeast cells of rhodotorula rubra. Revista De Chimie, 63(3), 316-318. WOS:000303091400015	1.7550

58	Ungureanu, C., Ionita, D., Badea, N., & Demetrescu, I. (2011). From nanoscale engineering to biomedical application - characterization of pulse electrodeposited biomimetic antibacterial coating on ti 6Al 4Zr. Digest Journal of Nanomaterials and Biostructures, 6(3), 1273-1279, WOS:000297986100044	1.0000
59	Ungureanu, C., Ioniță, D., Berteanu, 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, WOS:000352322400007	1.3000
60	Ungureanu, C., Marchal, L., Chirvase, A. A., & Foucault, A. (2013). Centrifugal partition extraction, a new method for direct metabolites recovery from culture broth: Case study of torularhodin recovery from rhodotorula rubra. Bioresource Technology, 132, 406-409. doi:10.1016/j.biortech.2012.11.105, WOS:000316707200062	9.7000
61	Ungureanu, C., Pirvu, C., Mindroiu, M., & Demetrescu, I. (2012). Antibacterial polymeric coating based on polypyrrole and polyethylene glycol on a new alloy TiAlZr. Progress in Organic Coatings, 75(4), 349-355. doi:10.1016/j.porgcoat.2012.07.015, WOS:000309695700010	6.5000
62	Ungureanu, C., Popescu, S., Purcel, G., Tofan, V., Popescu, M., Sălăgeanu, A., & Pirvu, C. (2014). Improved antibacterial behavior of titanium surface with torularhodin-polypyrrole film. Materials Science and Engineering C, 42, 726-733. doi:10.1016/j.msec.2014.06.020, WOS:000340687400091	8.1000
63	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, WOS:000465508500021	0.1250
64	Badea, G., Bors, A. G., Lacatusu, I., Oprea, O., Ungureanu, C., Stan, R., & Meghea, A. (2015). Influence of basil oil extract on the antioxidant and antifungal activities of nanostructured carriers loaded with nystatin. Comptes Rendus Chimie, 18(6), 668-677. doi:10.1016/j.crci.2014.09.012, WOS:000357703400012	0.1714
65	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, WOS:000390326200022	0.1286
66	Barbinta-Patrascu, M. E., Badea, N., Ungureanu, C., Besliu, D., & Antohe, S. (2020). Bioactive phyto-nanosilver particles “green” synthesized from clary sage, burdock, southernwood and asparagus. Romanian Reports in Physics, 72(3), 1-13; FI=2.147, Q2, WOS:000562620700017	0.4200
67	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; FI2020=2.436, Q1, WOS:000556474000001	2.9000

68	Barbinta-Patrascu, M. E., Ungureanu, C., Badea, N., Constantin, M., Purcar, V., & Ispas, A. (2020). Bioperformances of honey-phytonanosilver in silica materials. <i>Journal of Optoelectronics and Advanced Materials</i> , 22(5-6), 310-315, WOS:000563834000017	0.1000
69	Barbinta-Patrascu, M. E., Ungureanu, C., Besliu, D., Lazea-Stoyanova, A., & Iosif, L. (2020). Bio-active nanomaterials phyto-generated from weed herb <i>cirsium arvense</i> . <i>Optoelectronics and Advanced Materials, Rapid Communications</i> , 14(9-10), 459-465, WOS:000606797600013	0.5000
70	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. <i>Journal of Materials Science</i> , 55(5), 1915-1932. doi:10.1007/s10853-019-03713-3; FI2020=3.553, Q1, WOS:000501006500003	0.3182
71	Popescu, S., Zarif, M. -, Dumitriu, C., Ungureanu, C., & Pirvu, C. (2020). Silk fibroin-based hybrid nanostructured coatings for titanium implantable surfaces modification. <i>Coatings</i> , 10(6) doi:10.3390/COATINGS10060518; FI2020=2.436, Q1, WOS:000553473800001	0.5800
72	Zgura, I., Preda, N., Enculescu, M., Diamandescu, L., Negrila, C., Bacalum, M., . . . Barbinta-Patrascu, M. E. (2020). Cytotoxicity, antioxidant, antibacterial, and photocatalytic activities of ZnO-CdS powders. <i>Materials</i> , 13(1), 182. doi:10.3390/ma13010182, F2020=3.057, Q1, WOS:000515499300182	3.1000
74	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. <i>Materials</i> , 14(16) doi:10.3390/ma14164726, WOS:000689574500001	3.1000
75	Barbinta-Patrascu, M. E., Nichita, C., Badea, N., Ungureanu, C., Bacalum, M., Zgura, I., . . . Antohe, S. (2021). Biophysical aspects of bio-nanosilver generated from <i>urtica dioica</i> leaves and <i>vitis vinifera</i> fruits' extracts. <i>Romanian Reports in Physics</i> , 73(1), WOS:000631705400011	0.2625
76	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. <i>Antioxidants</i> , 10(5) doi:10.3390/antiox10050748, WOS:000653342300001	6.0000
77	Gorshkova, Y., Barbinta-Patrascu, M. -, Bokuchava, G., Badea, N., Ungureanu, C., Lazea-Stoyanova, A., . . . Juszyńska-Gałązka, E. (2021). Biological performances of plasmonic biohybrids based on phyto-silver/silver chloride nanoparticles. <i>Nanomaterials</i> , 11(7) doi:10.3390/nano11071811, WOS:000676478400001	0.4000
78	Ungureanu, C., Barbulescu, L., Dumitriu, C., Manole, C., & Pirvu, C. (2021). Titanium industrial residues surface modification towards its reuse as antimicrobial surfaces. <i>Environmental Science and Pollution Research</i> , 28(28), 38224-38237. doi:10.1007/s11356-021-13359-x, WOS:000629942900020	0.9900

79	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. <i>Materials</i> , 14(8) doi:10.3390/ma14081845, WOS:000644555400001	3.1000
80	Barbinta-Patrascu, M. -, Ungureanu, C., Badea, N., & Iordache, S. M. (2022). Optical studies on human hair fibres treated with a natural extract of red tulip flowers. <i>Optoelectronics and Advanced Materials, Rapid Communications</i> , 16(9-10), 458-463, WOS:000880187100009	0.5000
81	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. <i>Materials</i> , 15(20) doi:10.3390/ma15207327, WOS:000873066200001	0.3444
82	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. <i>Surfaces and Interfaces</i> , 33 doi:10.1016/j.surfin.2022.102224, WOS:000838331800002	0.8143
83	Penta, V., Ungureanu, C., Stoian, A. B., & Pirvu, C. (2022). THE EFFECT OF INTRAORAL ELECTRICAL POTENTIAL ON candida albicans. [EFFECTUL POTENȚIALULUI ELECTRIC INTRAORAL ASUPRA Candida albicans] <i>Revista Romana De Materiale/ Romanian Journal of Materials</i> , 52(2), 145-155. WOS:000829023400006	0.1000
84	Ungureanu, C., Fierascu, I., & Fierascu, R. C. (2022). Sustainable use of cruciferous wastes in nanotechnological applications. <i>Coatings</i> , 12(6) doi:10.3390/coatings12060769, WOS:000816201600001	2.9000
85	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 future prospects. <i>Materials</i> , 15(15) doi:10.3390/ma15155374, WOS:000839164100001	3.1000
86	Vizitiu, D. E., Sardaescu, 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. <i>Materials</i> , 15(22) doi:10.3390/ma15228188, WOS:000887359200001	3.1000
87	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. <i>Materials</i> 2023, 16, 1153. https://doi.org/10.3390/ma16031153 , WOS:000932930600001	0.5167
88	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) <i>Agronomy</i> , 13 (5), art. no. 1363, WOS:000995075400001	3.3000

89	Lite, M.-C., Săndulache, I.-M., Tănăsescu, E.-C., Constantinescu, R., Ungureanu, C., Badea, N. SILVER NANOPARTICLES BASED ON CAFFEIC ACID APPLIED FOR TEXTILES PRESERVATION (2023) UPB Scientific Bulletin, Series B: Chemistry and Materials Science, 85 (2), pp. 45-56. WOS:001015437100004	0.0500
90	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, WOS:000968416100001	2.9000
91	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, WOS:000987672800001	0.3444
92	Popescu, M., Ungureanu, C. Green Nanomaterials for Smart Textiles Dedicated to Environmental and Biomedical Applications (2023) Materials, 16 (11), art. no. 4075, WOS:001004718600001	3.1000
93	Ungureanu, C., Tihan, G., Zgârian, R., Pandelea, G. Bio-Coatings for Preservation of Fresh Fruits and Vegetables (2023) Coatings, 13 (8), art. no. 1420, WOS:001056542300001	2.9000
94	Păun, A.G., Dumitriu, C., Ungureanu, C., Popescu, S. Silk Fibroin/ZnO Coated TiO ₂ Nanotubes for Improved Antimicrobial Effect of Ti Dental Implants (2023) Materials, 16 (17), art. no. 5855, WOS:001064130500001	0.7750
95	Irodia, R.; Ungureanu, C.; Sătulu, V.; Mîndroiu, V.M. Photocatalyst Based on Nanostructured TiO ₂ with Improved Photocatalytic and Antibacterial Properties. Materials 2023, 16, 7509. https://doi.org/10.3390/ma16247509 , WOS:001132394500001	0.7750
96	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 , WOS:001130940200001	0.4000
97	Păun, Angela Gabriela; Popescu, Simona; Ungureanu, Camelia; Trusca, Roxana; Pirvu, Cristian. Reduced TiO ₂ Nanotubes/Silk Fibroin/ZnO as a Promising Hybrid Antibacterial Coating, (2024) ChemPlusChem, 89 (3), art. no. e202300450, DOI: 10.1002/cplu.202300450, Reduced TiO ₂ Nanotubes/Silk Fibroin/ZnO as a Promising Hybrid Antibacterial Coating - Păun - 2024 - ChemPlusChem - Wiley Online Library, WOS:001107366200001	0.6000
98	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), WOS:001301114000004	0.3000
99	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 , WOS:001149253000001	5.0000

100	Barbinta-Patrascu, M.-E.; Nichita, C.; Enculescu, M.; Maraloiu, V.-A.; Bacalum, M.; Ungureanu, C.; Negrila, 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, WOS:001365466900001	0.6125
101	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 CeO ₂ , C. Pirvu, S.A. Popescu, C. Dumitriu, Camelia Ungureanu, M.V. Mindroiu, 2020; C:\wpdocs\bopi\bopi620\bopi620 (osim.ro)	0.200
102	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)	0.1429
103	Brevet OSIM nr. 134423/29.11.2024 , Compoziție naturală fungicidă 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	0.1250
	TOTAL FIC	152.7301

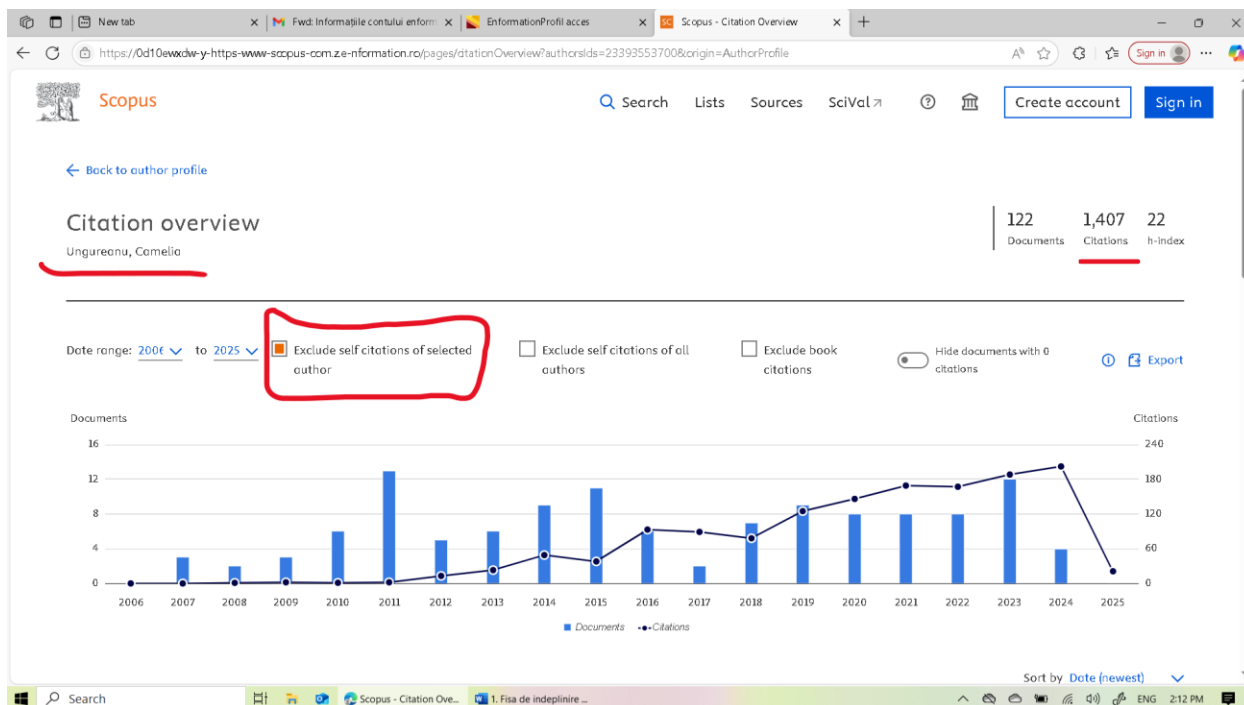
2. Numarul total de citari (din baza de date SCOPUS), NC

NC ≥ 120;

NC = 1407

Scopus ID: 23393553700

UNGUREANU Camelia



3. Numărul de contracte de cercetare-dezvoltare-inovare obținute prin competiție (director)

NCO ≥ 1 în calitate de Director proiect

NCO = 2

1. Contract de cercetare nr.188/1.10.2007 – **DIRECTOR DE PROIECT, UNSTPB**

Obținere în flux integrat GMP a biopreparatelor de uz uman, Resurse umane - CNCSIS

Suma: 27 765 lei – la nivelul curs' euro BNR - 1 octombrie 2007, 1 euro = 3.3515 lei ~ **8284 euro**

<https://www.cursbnr.ro/arhiva-curs-bnr-2007-10-01>

Nr. înregistrare contractor.....

Nr. înregistrare UEFISCSU 188/1.10.2007

FE
20 2007 X
156/1
10

**CONTRACT DE FINANȚARE
PENTRU EXECUȚIE PROIECTE**

NR. 188/1.10.2007
bugetul de stat
RESURSE UMANE

Finanțare:
Denumirea Programului din PN II:

Proiecte de cercetare pentru tineri doctoranzi

Tip de proiect:

27 765 lei*

Valoarea contractului

12 luni

Durata contractului:

21

Nr. de pagini al contractului:

Unitatea Executivă pentru Finanțarea
Învățământului Superior și a Cercetării
Științifice Universitare

Autoritatea Contractantă:

Contractor:
Semnături:

De acord pentru
Contractor

De acord pentru
Autoritatea Contractantă

La București

La București

Data: 10 Octombrie 2007

Data: 10.10.2007

Universitatea Politehnica din București

Consiliul Național al Cercetării Științifice din
Învățământul Superior

Director proiect
ing. Camelia Ungureanu

Unitatea Executivă pentru Finanțarea
Învățământului Superior și a Cercetării
Științifice Universitare

2. Contract de cercetare, 652 PED/iunie 2022, **DIRECTOR DE PROIECT, UNSTPB**

652 PED/ Nanostructuri fitosintetizate de înaltă performanță utilizate ca senzori pentru detectarea microorganismelor patogene din produse alimentare

**Suma: 598 795 lei – la nivelul curs' euro BNR – 28 iunie 2022, 1 euro = 4.9457 lei ~
121 074 euro**

[\(Arhiva curs valutar din data de 28 iunie 2022 | Curs BNR\)](#)

Nr. înregistrare Contractor _____

Nr. înregistrare UEFISCDI _____

1056/30.06.2022



**CONTRACT DE FINANȚARE
PENTRU EXECUȚIE PROIECTE**

NR. 652PED/2022

Finanțare:	bugetul de stat
Denumirea Programului din PN III:	Programul 2 - Creșterea competitivității economiei românești prin cercetare, dezvoltare și inovare
Denumirea Subprogramului:	Subprogramul 2.1 - Competitivitate prin cercetare, dezvoltare și inovare
Tip proiect:	Proiect experimental - demonstrativ
Titlul proiectului:	Nanostructuri fitosintetizate de înaltă performanță utilizate ca senzori pentru detectarea microorganismelor patogene din produse alimentare
Valoarea totală a Contractului:	598.795,00 lei
Din care, pe surse:	
Sursa 1 - de la bugetul de stat:	598.795,00 lei
Sursa 2 - din alte surse atrase: (cofinanțare) ¹	0,00 lei
Durata contractului:	24 luni
Nr. de pagini ale contractului:	_____ pagini
Autoritatea Contractantă:	Unitatea Executivă pentru Finanțarea Învățământului Superior, a Cercetării, Dezvoltării și Inovării UNIVERSITATEA POLITEHNICA DIN BUCUREȘTI
Contractor:	
Semnături:	
De acord pentru Contractor	De acord pentru Autoritatea Contractantă
La București Data	La București Data
UNIVERSITATEA POLITEHNICA DIN BUCUREȘTI	Unitatea Executivă pentru Finanțarea Învățământului Superior, a Cercetării, Dezvoltării

Director de proiect
Conf. dr. ing. Camelia UNGUREANU