UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" DIN IAŞI
FACULTATEA DE INGINERIE CHIMICĂ ȘI PROTECȚIA MEDIULUI CRISTOFOR SIMIONESCU_
DEPARTAMENTUL DE POLIMERI NATURALI ȘI SINTETICI
Concurs pentru ocuparea postului de **conferenţiar**, poz. 6
Disciplinele postului: **TEHNOLOGIA POLIMERILOR**
BIOCOMPOZITE

FIŞA DE VERIFICARE

a îndeplinirii standardelor minimale naţionale de prezentare la concurs pentru postul de conferenţiar universitar

publicat în Monitorul Oficial al României nr. 782 din data de 24.11.2020 (partea a 3-a)

Candidat: **Peptu Cătălina Anișoara /** Data naşterii: 09.09.1976

Funcţia actuală: Șef lucrări, Data numirii în funcţia actuală: 2014

Instituţia: UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" DIN IAŞI.

COMISIA DE INGINERIE CHIMICĂ, INGINERIE MEDICALĂ, ȘTIINȚA MATERIALELOR ȘI NANOMATERIALE – Standarde minimale necesare și obligatorii pentru conferirea titlurilor didactice din învățământul superior și a gradelor profesionale de cercetare – dezvoltare, conform ordin 6129/20.12.2016

Se definesc:
NTOP = număr total de articole ISI situate in top 25% (zona roșie) în calitate de autor principal. Situația revostelor in top 25% se judecă pe cazul cel mai favorabil pentru candidat, fie la momentul publicării, fie la data inscrierii la concurs
FIC = factor de impact cumulat (suma factorilor de impact ai revistelor la momentul înscrierii la concursul pentru ocuparea unei poziții didactice
NC = număr total de citări (din baza scopus) (se exclud autocitările candidatului)
NCO = număr contracte de cercetare – dezvoltare – inovare obținute prin competiție la nivel național sau internațional ori contracte de cercetare – dezvoltare – inovare cu terții în valoare minimă echivalentă cu 10.000 Euro

Articolele pentru calculul NTOP, FIC, NP, NC se vor lua in considerare numai daca la data publicdrii revista era indexata ISI, iar la data inscrierii la concurs a candidatului articolele sunt vizibile in WoS sau daca se prezintă ca reprinturi (inclusiv cu paginația revistei)

a) NTOP > 2

1. Anca N. Jătariu (Cadinoiu), Marcel Popa, Silvia Curteanu, Cătălina A. Peptu, "Covalent and ionic co-crosslinking-an original way to prepare chitosan-gelatin hydrogels for biomedical applications", Journal of Biomedical Materials Research – part A, J Biomed Mater Res A. 2011 Sep 1;98(3):342-50;
2. Gabriela Andrei, Cătălina A. Peptu, Marcel Popa, Jacques Desbrieres, Cristian Peptu, Fotios Gardikiotis, Marcel Costuleanu, Dănut Costin, Jean Charles Dupin, Arnaud Uhart, Bogdan I. Tamba, Formulation and evaluation of cefuroxim loaded submicron particles for ophthalmic delivery, International Journal of Pharmaceutics, Volume 493, Issues 1–2, 30 September 2015, Pages 16–29
3. B.Ciobanu, A. N Cadinoiu, M.Popa, Jacques Desbrieres, C.A.Peptu, "Modulated release from liposomes entrapped in chitosan/gelatin hydrogels", Materials Science and Engineering C, 43, 383-391, 2014 – 2.736
4. C.A. Peptu, L. Ochiuz, L.Alupei, C Peptu, M. Popa, "Carbohydrate based nanoparticles for drug delivery across biological barriers", Journal of Biomedical Nanotechnology, 10, 2107-2148, 2014 – 7.58
5. C. L. Savin, M. Popa, C. Delaite, M. Costuleanu, D. Costin, C. A. Peptu, Chitosan grafted-poly(ethylene glycol) methacrylate nanoparticles as carrier for controlled release of bevacizumab, Materials Science and Engineering: C, Volume 98, May 2019, Pages 843-860
6. C.-L.Savin, C.Tiron, E.Carasevici, C.S. Stan, S.A.Ibanescu, B.C.Simionescu, C.A. Peptu, Entrapment of N-hydroxyphthalimide carbon dots in different topical gel formulations: New composites with anticancer activity(Article)(Open Access), Pharmaceutics Open Access, Volume 11, Issue 7, July 2019, Article number 303

b) NP > 10

1. C. Peptu, M. Popa, S.G. Antimisiaris, "Release of Liposome-encapsulated calcein from Liposome entrapping Gelatin – Carboxymethylcellulose films: A presentation of different possibilities", Journal of Nanoscience and Nanotechnology, 8, 1–10, 2008; 1.12
2. C. Peptu, M. Popa, G.Tătaru, A. Perichaud, S. Antimisiaris, "Double Crosslinked Chitosan-Gelatin Particulate Systems for Ophthalmic Applications", Journal of Bioactive and Compatible Polymers, vol 25, no. 1, january 2010, p. 98-116; 1.07
3. A. N. Jătariu, M. Popa, C. A. Peptu, "Different particulate systems—bypass the biological barriers?", Journal of Drug Targeting May 2010, Vol. 18, No. 4: 243-253; 1.13
4. C. A. Peptu, M. Popa, A. Perichaud, "Novel Gelatin – poly (vinyl alcohol) hydrogel microspheres for the controlled release of Chloramphenicol", Environmental Engineering and Management Journal, May 2011, Vol.10, No. 5, 717-727; 0
5, A. N. Jătariu (Cadinoiu), M. Popa, S. Curteanu, C. A. Peptu, "Covalent and ionic co-crosslinking-an original way to prepare chitosan-gelatin hydrogels for biomedical applications", Journal of Biomedical Materials Research – part A, J Biomed Mater Res A. 2011 Sep 1;98(3):342-50; 1.46
6. D. M. Iurea (Raţă), M. Popa, J.-F. Chailan, B. I. Tamba, I. Tudorancea, C. A. Peptu, Ibuprofen Chitosan/ Poly (maleic anhydride -alt -vinyl acetate) controlled release nanocapsules for pain treatment, Journal of Bioactive and Compatible Polymers July 2013 vol. 28 no. 4 368-384
7. D. M. Iurea (Raţă), C. A. Peptu, J.-F. Chailan, P. Carriere, M. Popa, Sub-micronic capsules based on Gelatin and Poly (maleic anhydride -alt- vinyl acetate) obtained by interfacial condensation with potential biomedical applications, J. Nanosci. Nanotechnol. 13, 3841-3850 (2013)

8. G. Andrei, C. A. Peptu, M. Popa, J. Desbrieres, C. Peptu, F. Gardikiotis, M. Costuleanu, D. Costin, J. C. Dupin, A. Uhart, B. I. Tamba, Formulation and evaluation of cefuroxim loaded submicron particles for ophthalmic delivery, International Journal of Pharmaceutics, Volume 493, Issues 1–2, 30 September 2015, Pages 16–29
9. C.A. Peptu, M.Popa, C. Savin, R.F. Popa, L.Ochiuz, Modern Drug Delivery Systems for Targeting the Posterior Segment of the Eye, Current Pharmaceutical Design, 2015, 21, 6055-6069 6055
10. B.C. Ciobanu, A.C.Cadinoiu, M.Popa, J.Desbrieres, C.A.Peptu, "Chitosan/poly(vinyl alcohol) hydrogels for entrapment of drug loaded liposomes", Cellulose Chemistry and Technology, 48, (5-6), 485-494, 2014 – 0.83
11. B.Ciobanu, A. N Cadinoiu, M.Popa, Jacques Desbrieres, C.A.Peptu, "Modulated release from liposomes entrapped in chitosan/gelatin hydrogels", Materials Science and Engineering C, 43, 383-391, 2014 – 2.736
12. C.A. Peptu, L. Ochiuz, L.Alupei, C Peptu, M. Popa, "Carbohydrate based nanoparticles for drug delivery across biological barriers", Journal of Biomedical Nanotechnology, 10, 2107-2148, 2014 – 7.58
13. R. Vulpe, M. Popa, L. Picton, C. A. Peptu, N. Tudorachi, L. Verestiuc, Scaffolds Based on Collagen, Hyaluronan and Sericin with Potential Applications as Controlled Drug Delivery System, J. Nanosci. Nanotechnol. 18, 1528–1533 (2018), https://doi.org/10.1166/jnn.2018.15182
14. M.Popa, B.C. Ciobanu, L.Ochiuz, J.Desbrieres, C.S.Stan, C.A.Peptu, Controlling the release kinetics of calcein loaded liposomes from chitosan/tannic acid and chitosan/poly(vinyl alcohol)/tannic acid hydrogels, Cellulose Chemistry and Technology, Volume 52, Issue 5-6, May-June 2018, Pages 353-370
15. C. L. Savin, M. Popa, C. Delaite, M. Costuleanu, D. Costin, C. A. Peptu, Chitosan grafted-poly(ethylene glycol) methacrylate nanoparticles as carrier for controlled release of bevacizumab, Materials Science and Engineering: C, Volume 98, May 2019, Pages 843-860
16. C.-L. Savin, C.Tiron , E. Carasevici, C.S Stan., S.A. Ibanescu, B.C. Simionescu, C.A. Peptu, , Entrapment of N-hydroxyphthalimide carbon dots in different topical gel formulations: New composites with anticancer activity(Article)(Open Access), Pharmaceutics Open Access, Volume 11, Issue 7, July 2019, Article number 303

c) FIC > 15
FIC = 56,210

in acest caz in calculul FIC se tine seama de factorul de impact al revistei la care candidatul a publicat un articol ca autor principal si respectiv de factorul de impact impartit la numarul de autori pentru revistele in care candidatul a publicat un articol in care nu este autor principal

Nr. Crt.	*Lucrarea*	*FI*	*Nr. autori*	*AP*	*Puncte*	*Citari ISI (Scopus)*
1.	G.Buhus, M.Popa, **C. Peptu**, J.Desbrieres, "Hydrogel based on carboxymethylcellulose and poly(vinyl alcohol) for controlled loading and release of chloramphenicol", Journal of Optoelectronics and Advanced Materials, 9, 11, 3440-3444, November, 2007	***0,631***	***4***	***nu***	***0,158***	***11***
2.	C. Peptu, M. Popa, S.G. Antimisiaris, "Release of Liposome-encapsulated calcein from Liposome entrapping Gelatin –	***1,354***	***3***	***da***	***1,354***	***12***

	Carboxymethylcellulose films: A presentation of different possibilities", Journal of Nanoscience and Nanotechnology, 8, 1–10, 2008; 1.12					
3.	C.Peptu, M. Popa, G.Tătaru, A. Perichaud, S. Antimisiaris, "Double Crosslinked Chitosan-Gelatin Particulate Systems for Controlled Drug Release", Journal of Bioactive and Compatible Polymers, vol 25, no. 1, january 2010, p. 98-116; 1.07	***1,624***	***5***	***da***	***1,624***	***35***
4.	Anca N. Jătariu, Marcel Popa, and Cătălina A. Peptu, "Different particulate systems—bypass the biological barriers?", Journal of Drug Targeting May 2010, Vol. 18, No. 4: 243-253; 1.13	***3,38***	***3***	***da***	***3,38***	***8***
5.	G. Buhuş (Tataru), C. Peptu, M Popa, J. Desbrieres, "Controlled release of water soluble antibiotics by carboxymethylcellulose and gelatin based hydrogels crosslinked with epichlorohydrin", Cellulose Chemistry and Technology, 43 (4-6), 141-151, 2009;	***0,857***	***4***	***nu***	***0,214***	***24***
6.	Cristian Peptu, Alina Nicolescu, Catalina A. Peptu, Valeria Harabagiu, Bogdan C. Simionescu, Marek Kowalczuk, "Mass spectrometry characterization of 3-OH butyrated β-cyclodextrin", Journal of Polymer Science Part A: Polymer Chemistry Volume 48, Issue 23, pages 5581–5592, 1 December 2010	***2,65***	***6***	***nu***	***0,442***	***14***
7.	C. A. Peptu, M. Popa, A. Perichaud, "Hydrogel microspheres based on environmentally friendly polymers with potential biomedical applications", Environmental Engineering and Management Journal, May 2011, Vol.10, No. 5, 717-727; 0	***1,186***	***3***	***da***	***1,186***	***3***
8.	Anamaria Durdureanu-Angheluta, Lucia Pricop, Iuliana Stoica, Catalina-Anisoara Peptu, Andrei Dascalu, Narcisa Marangoci, Florica Doroftei, Horia Chiriac, Mariana Pinteala, Bogdan C.Simionescu, "Synthesis and characterization of magnetite particles covered with a-trietoxysilil-polydimethylsiloxane", Journal of Magnetism and Magnetic Materials, Volume 322, Issue 19, October 2010, Pages 2956-2968	***2,71***	***10***	***nu***	***0,271***	***14***
9.	Anca N. Jătariu (Cadinoiu), Marcel Popa, Silvia Curteanu, Cătălina A. Peptu, "Covalent and ionic co-crosslinking-an original way to prepare chitosan-gelatin hydrogels for biomedical applications", Journal of Biomedical Materials Research – part A, J Biomed Mater Res A. 2011 Sep 1;98(3):342-50; 1.46	***3,525***	***4***	***da***	***3,525***	***37***
10.	A. N. Jătariu (Cadinoiu), M. Danu, C. A. Peptu, G. Ioanid, C. Ibanescu & M. Popa, Ionically and Covalently Cross-Linked Hydrogels Based on Gelatin and Chitosan, Soft Materials, Volume 11, Issue 1, 2013, pages 45-54, 10.1080/1539445X.2011.580409	***0,93***	***6***	***nu***	***0,155***	***15***
11.	I. Moleavin, C. Ibanescu, A. Hodorog-Rusu, C. Peptu, F. Doroftei, N. Hurduc, "Amphiphilic azopolymers capable to generate photo-	***1,48***	***6***	***nu***	***0,246***	***14***

	sensitive micelles", Cent. Eur. J. Chem. • 9(6) • 2011 • 1117-1125					
12.	Anca N. Jătariu (Cadinoiu), Mihaela N. Holban, Cătălina A. Peptu, Anca Sava, Marcel Costuleanu, Marcel Popa, "Double crosslinked interpenetrated network in nanoparticle form for drug targeting—Preparation, characterization and biodistribution studies, International Journal of Pharmaceutics, Volume 436, Issues 1–2, 15 October 2012, Pages 66-74	***4,845***	***6***	***nu***	***0,8075***	***25***
13.	Bacaita, E.S., Bejinariu, C., Zoltan, B., Peptu, C., Andrei, G., Popa, M., Magop, D., Agop, M. Nonlinearities in drug release process from polymeric microparticles: Long-time-scale behavior, Journal of Applied Mathematics 2012 , art. no. 653720 – ISI – 0.65	***1,242***	***8***	***nu***	***0,155***	***19***
14.	Magop, D., Bacaita, S.,Peptu, C., Popa, M., Agop, M. Non-differentiability at mesoscopic scale in drug release processes from polymer microparticles, Materiale Plastice, 49, 2, 101-105, 2012	***1,517***	***5***	***nu***	***0,3034***	***14***
15.	L. Balaita, C.A.Peptu, P.Postolache, G.Lisa, M. Popa, « Gelatin-hydroxyethyl cellulose magnetic microparticles as drug carriers: preparation and characterization" 2012, Journal of Optoelectronics and Advanced Materials 14 (11-12) , pp. 1023-1033	***0.631***	***5***	***nu***	***0,1262***	***2***
16.	Delia Mihaela Iurea (Raţă), Marcel Popa, Jean-François Chailan, Bogdan Ionel Tamba, Ionut Tudorancea, Cătălina Anişoara Peptu, Ibuprofen Chitosan/ Poly (maleic anhydride -alt -vinyl acetate) controlled release nanocapsules for pain treatment, Journal of Bioactive and Compatible Polymers July 2013 vol. 28 no. 4 368-384	***1.624***	***6***	***da***	***1,624***	***9***
17.	Delia Mihaela Iurea (Raţă), Cătălina Anişoara Peptu, Jean-François Chailan, Pascal Carriere, Marcel Popa, Sub-micronic capsules based on Gelatin and Poly (maleic anhydride -alt- vinyl acetate) obtained by interfacial condensation with potential biomedical applications, J. Nanosci. Nanotechnol. 13, 3841-3850 (2013)	***1.354***	***5***	***da***	***1,354***	***10***
18.	S. Bacaita, C. Uritu, M.Popa, A. Uliniuc, C. Peptu, M. Agop, Drug release kinetics from polymer matrix through the fractal approximation of motion, Smart Materials Research, Volume 2012, Article ID 264609, 8 pages, doi:10.1155/2012/264609	***0.961***	***6***	***nu***	***0,16***	***0***
19.	Gabriela Andrei, Cătălina A. Peptu, Marcel Popa, Jacques Desbrieres, Cristian Peptu, Fotios Gardikiotis, Marcel Costuleanu, Dănut Costin, Jean Charles Dupin, Arnaud Uhart, Bogdan I. Tamba, Formulation and evaluation of cefuroxim loaded submicron particles for ophthalmic delivery, International Journal of Pharmaceutics, Volume 493, Issues 1–2, 30 September 2015, Pages 16–29	***4.845***	***11***	***da***	***4,845***	***22***

20.	C.A. Peptu, M.Popa, C. Savin, R.F. Popa, L.Ochiuz, Modern Drug Delivery Systems for Targeting the Posterior Segment of the Eye, Current Pharmaceutical Design, 2015, 21, 6055-6069 6055	***2.208***	***5***	***da***	***2,208***	***14***
21.	D. M. Raţă, J.F. Chailan, C. A. Peptu, M. Costuleanu, M. Popa , Chitosan: poly(N-vinylpyrrolidone-alt-itaconic anhydride) nanocapsules—a promising alternative for the lung cancer treatment, Journal of Nanoparticle Research, July 2015, 17:316	***2.132***	***5***	***nu***	***0,4264***	***8***
22.	Cadinoiu AN, Peptu CA, Fache B, Chailan JF, Popa M., Microparticulated systems based on chitosan and poly(vinyl alcohol) with potential ophthalmic applications, J Microencapsul. 2015 May 27:1-9	***2.05***	***5***	***nu***	***0,41***	***7***
23.	Moraru, A. D. , Costuleanu, M. Sava, A. , Costin, D., Peptu, C., Popa, M., Chiseliţă, D., Intraocular biodistribution of intravitreal injected chitosan/gelatin nanoparticles Romanian Journal of Morphology and Embryology, Volume 55, Issue 3, 2014, Pages 869-875	***1.411***	***7***	***nu***	***0,201***	***8***
24.	B.C. Ciobanu, A.C.Cadinoiu, M.Popa, J.Desbrieres, C.A.Peptu, "Chitosan/poly(vinyl alcohol) hydrogels for entrapment of drug loaded liposomes", Cellulose Chemistry and Technology, 48, (5-6), 485-494, 2014	***0.857***	***5***	***da***	***0,857***	***8***
25.	B.Ciobanu, A. N Cadinoiu, M.Popa, Jacques Desbrieres, C.A.Peptu, "Modulated release from liposomes entrapped in chitosan/gelatin hydrogels", Materials Science and Engineering C, 43, 383-391, 2014	***5.88***	***5***	***da***	***5,88***	***27***
26.	C.A. Peptu, L. Ochiuz, L.Alupei, C Peptu, M. Popa, "Carbohydrate based nanoparticles for drug delivery across biological barriers", Journal of Biomedical Nanotechnology, 10, 2107-2148, 2014	***1.86***	***5***	***da***	***1,86***	***18***
27.	Delia Mihaela Raţă, Marcel Popa, Jean-François Chailan, Carmen Lăcrămioara Zamfir, Cătălina Anişoara Peptu, Biomaterial properties evaluation of poly(vinyl acetate-alt-maleic anhydride)/chitosan nanocapsules, Journal of Nanoparticle Research, August 2014, 16:2569	***2.132***	***5***	***da***	***2,132***	***10***
28.	R. Chelariu, D. Mareci, G. Bolat*, C. A. Peptu, D. Cailean, Electrochemical characterization of surface modification for Ti6Al7Nb implants with hydroxyapatite–zirconia nanoparticles synthesis by ultrasound irradiations, Materials and Corrosion, Volume 66, Issue 6, pages 573–578, June 2015	***1.533***	***5***	***nu***	***0,3066***	***7***
29.	Cristian Peptu, Razvan Rotaru, Leonard Ignat, Andra Cristina Humelnicu, Valeria Harabagiu, Catalina Anisoara Peptu, Maria-Magdalena Leon, Florin Mitu, Elena Cojocaru, Andreea Boca and	***2.208***	***11***	***nu***	***0,2***	***17***

	Bogdan Ionel Tamba, Nanotechnology Approaches for Pain Therapy Through Transdermal Drug Delivery, Current Pharmaceutical Design, 2015, 21, 6125-6139					
30.	Daniel C Galeş, Ana Cazacu, Cătălina A Peptu, Gerard Jităreanu, "Effects of a hydrogel on the cambic chernozem soil's hydrophysic indicators and morphophysiological plants parameters", 2016 Geoderma, 267, pp. 102-111	***4.848***	***4***	***nu***	***1,212***	***5***
31.	Cara, IG, Trinca, LC, Trofin, AE, Cazacu, A, Topa, D, Peptu, CA, Jitareanu, G, Assessment of some straw-derived materials for reducing the leaching potential of Metribuzin residues in the soil, 2015 Applied Surface Science Part: B, Volume: 358 Pages: 586-594	***6.18***	***7***	***nu***	***0,882***	***6***
32.	Matei, MN, Earar, K , Trinca, LC , Mareci, D , Fotea, L, Peptu, CA , Bica, C , Degradation Characteristics of Poly-tetrafluoroethylene Coatings on Stainless Steel Orthodontic Wires Immersed in Tuna Fish Derived Products, REVISTA DE CHIMIE Volume: 67 Issue: 4 Pages: 800-807 Published: APR 2016	***1.755***	***7***	***nu***	***1,250***	***23***
33.	Vulpe, R., Le Cerf, D., Dulong, V., Popa, M., Peptu, C., Verestiuc, L., Picton, L., Rheological study of in-situ crosslinkable hydrogels based on hyaluronanic acid, collagen and sericin, Materials Science and Engineering C, Volume 69, 1 December 2016, Pages 388-397	***5.88***	***7***	***nu***	***0,88***	***15***
34.	Liana Alupei, Catalina Anisoara Peptu, Andreea-Maria Lungan, Jacques Desbrieres, Ovidiu Chiscan, Sadia Radji, Marcel Popa, New hybrid magnetic nanoparticles based on chitosan-maltose derivative for antitumor drug delivery, International Journal of Biological Macromolecules, Volume 92, 1 November 2016, Pages 561-572	***5.162***	***7***	***nu***	***0,737***	***21***
35.	Paun, V.A., Popa, M., Desbrieres, J., Peptu, C.A, Dragan, S.V, Zegan, G. , Cioca, G., Liposome loaded chitosan hydrogels, a promising way to reduce the burst effect in drug release a comparativ analysis, Materiale Plastice, Volume 53, Issue 4, December 2016, Pages 590-593	***1.517***	***7***	***nu***	***0,216***	***12***
36.	Irina Morosanu, Andreea-Florina Gilca, Carmen Paduraru, Daniela Fighir (Arsene), Catalina Anisoara Peptu, Carmen Teodosiu, Valorisation of rapeseed as biosorbent for the removal of textile dyes from aqueous effluents, Cellulose Chemistry and Technology, 51(1-2), pp. 175-184, 2017	***0.857***	***6***	***nu***	***0,143***	***3***
37.	Camelia Elena IURCIUC, Catalina PEPTU, Alexandru SAVIN, Leonard Ionut Atanase, Kaies SOUIDI, Grahame Mackenzie, Martin Patrick, G. Riess, and Marcel Popa, Microencapsulation of baker's yeast in gellan gum beads used in repeated cycles of	***1.646***	***9***	***nu***	***0,183***	***6***

	glucose fermentation, International Journal of Polymer Science Volume 2017, 2017,					
38.	Liana Alupei, Gabriela Lisa, Andreea Butnariu, Jacques Desbrieres, Anca Niculina Cadinoiu, Gabriela Calin, Catalina Anisoara Peptu, Marcel Popa, New folic acid-chitosan derivative based nanoparticles – potential applications in cancer therapy, Cellulose Chem. Technol., 51 (7-8), 631-648 (2017)	***0.857***	***8***	***nu***	***0,107***	***8***
39.	Camelia Iurciuc (Tincu), Alexandru Savin, Patrick Martin, Catalina Anisoara Peptu, Marcel Popa, Yeast Cells Immobilized in Ionic Crosslinked Hydrogel Particles Based on Gellan and Gellan/Carboxymethyl Cellulose—Comparative Study, Journal of Nanoscience and Nanotechnology, Volume 17, Number 7, July 2017, pp. 4827-4836(10)	***1.354***	***5***	***nu***	***0,271***	***2***
40.	Alina Stefanache, Maria Ignat, Catalina A. Peptu, Alina Diaconu, Iulian Stoleriu, Lacramioara Ochiuz, Development of a Prolonged-Release Drug Delivery System with Magnolol Loaded in Amino-Functionalized Mesoporous Silica, Appl. Sci. 2017, 7(3), 237; doi:10.3390/app7030237	***2.474***	***6***	***nu***	***0,412***	***5***
41.	Ochiuz, L., Ghiciuc, C., Ignat, M., Popa, M., Peptu, C.A., Vasile, A., Development of a modified-release drug delivery system with bexarotene loaded in clinoptilolite, Materiale Plastice, Volume 54, Issue 3, September 2017, Pages 581-585	***1.517***	***6***	***nu***	***0,253***	***4***
42.	Raluca Vulpe, Marcel Popa, Luc Picton, Catalina A. Peptu, Nita Tudorachi, and Liliana Verestiuc, Scaffolds Based on Collagen, Hyaluronan and Sericin with Potential Applications as Controlled Drug Delivery System, J. Nanosci. Nanotechnol. 18, 1528–1533 (2018), https://doi.org/10.1166/jnn.2018.15182 ***Nu apare in scopus desi jurnalul este cotat ISI***	***1.354***	***6***	***da***	***1,354***	***0***
43.	Corina L. Savin, Cristian Peptu, Zuzana Kroneková, Michal Sedlačík, Miroslav Mrlik , Vlasta Sasinková, Catalina A. Peptu, Marcel Popa, and Jaroslav Mosnáček, Polyglobalide-Based Porous Networks Containing Poly(ethylene glycol) Structures Prepared by Photoinitiated Thiol–Ene Coupling, Biomacromolecules, Article ASAP, DOI: 10.1021/acs.biomac.8b00634	***5.667***	***9***	***nu***	***0,629***	***3***
44.	Popa, M., Ciobanu, B.C., Ochiuz, L., Desbrieres, J., Stan, C.S., Peptu, C.A., Controlling the release kinetics of calcein loaded liposomes from chitosan/tannic acid and chitosan/poly(vinyl alcohol)/tannic acid hydrogels, Cellulose Chemistry and Technology, Volume 52, Issue 5-6, May-June 2018, Pages 353-370	***0.857***	***6***	***da***	***0,857***	***9***
45.	C. L. Savin, M. Popa, C. Delaite, M. Costuleanu, D. Costin, C. A. Peptu, Chitosan grafted-poly(ethylene glycol) methacrylate	***5.88***	***6***	***da***	***5,88***	***11***

	nanoparticles as carrier for controlled release of bevacizumab, Materials Science and Engineering: C, Volume 98, May 2019, Pages 843-860					
46.	Savin, C.-L., Tiron, C., Carasevici, E., Stan, C.S., Ibanescu, S.A., Simionescu, B.C., Peptu, C.A., Entrapment of N-hydroxyphthalimide carbon dots in different topical gel formulations: New composites with anticancer activity(Article)(Open Access), Pharmaceutics, Volume 11, Issue 7, July 2019, Article number 303	***4.845***	***7***	***da***	***4,845***	***3***
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48.	***Jurnale BDI si capitole carte***				***0***	***0***
49.	A. Jătariu, C.Peptu, M.Popa, A. Indrei, "Micro- and nanoparticles medical applications", Revista Medico-Chirurgicala A Societatii De Medici Si Naturalisti Din Iasi, vol 113, nr 4, ISSN– 0048-7848, p. 1160-1170, 2009	***0***	***4***	***nu***	***0***	***6***
50.	Cătălina Peptu, Anca Jătariu, Anca Indrei, M.Popa „ New tendencies in controlled drug release-liposomes entrapped in polymer matrices", Revista Medico-Chirurgicala A Societatii De Medici Si Naturalisti Din Iasi, Vol 113, ISSN – 0048-7848, p. 164-173, 2009	***0***	***4***	***da***	***0***	***2***
51.	Gardikiotis F., Peptu Cătălina, Popa M., Costin D, Nanoparticles biodistribution in the eye, Oftalmologia (Bucharest, Romania : 1990) 55 (4) , pp. 92-96;	***0***	***4***	***nu***	***0***	***1***
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54.	Ochiuz, L., Peptu, C.A., Grigoras, A., Grigoras, C., Tomoiaga,	***0***	***5***	***nu***	***0***	***2***

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1. B.I.Tamba, V.R.Ancuceanu, V. Harabagiu, C. Peptu, R.Rotaru, C.A. Peptu, C.S.Stan, M.M. Leon – Constantin, T. Alexa-Stratulat, Complex al lidocainei in derivat esterificat de beta-ciclodextrina, cu utilizare in terapia transdermala a durerii, RO132702A0/30.07.2018
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Director proiect:

1. CNCSIS-Td cod – 135/2005– "***Contribuţii la realizarea de sisteme polimer-principiu activ sub formă de microparticule***".

Responsabiul partener :

1. PN-II-PT-PCCA-2013-4-2210***, " Formulari complexe pe baza de lipozomi si ciclodextrina pentru terapia transdermala a durerii (NANODERMA)"***

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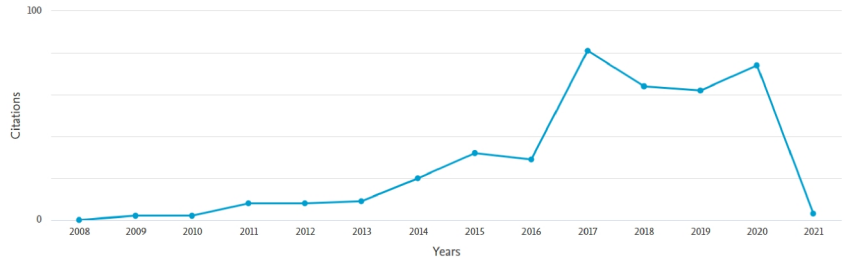

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