Anexa nr. 2

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FIŞA DE ÎNDEPLINIRE A STANDARDELOR MINIMALE
conform CNATDCU – COMISIA DE CHIMIE

(Ordin 6.129/2016)

Candidat: CSI Dr. Gheorghe Fundueanu-Constantin

Categorie Habilitare	N_{max} (*)	FIC (**)	FIC_D (***)	FIC_{AP} (****)	FIC_{AC} (*****)	h index
Cerinte	50	100	70	50	25	13
Realizat	50	198,984	163,117	136,533	97,132	19

(*) N_{max} = primele 50 lucrări organizate în ordine descrescătoare a factorilor de impact corespunzători revistelor în care au fost publicate;

(**) FIC = factorul de impact cumulat minimal al revistelor în care s-au publicat cele 50 de lucrări;

(***) FIC_D = factorul de impact cumulat minimal din cele 50 publicaţii în domeniile de cercetare declarate;

(****) FIC_{AP} = factorul de impact cumulat minimal din cele 50 de publicaţii în calitate de autor principal (prim autor şi/sau autor de corespondenţă);

(*****) FIC_{AC} = factorul de impact cumulat minimal din cele 50 de publicaţii în calitate de autor de corespondenţă.

Data: 29.10. 2018

Semnatura

CSI Dr. Ing. Gheorghe Fundueanu-Constantin

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Lista a 50 articole selectate (N_{max}) publicate in reviste de specialitate de circulatie internationala (indexate de Web of Science)

Nr. crt.	Autori/Articol/Revista	F.I. (2017)
1.	☒Fundueanu G*., Constantin M., Oanea I., Harabagiu V., Ascenzi P., Simionescu B.C., Entrapment and release of drugs by a strict "on-off" mechanism in pullulan microspheres with pendant thermosensitive groups, *Biomaterials* 31 (36), 9544-9553, 2010.	**8.806**
2.	☒Fundueanu G*., Constantin M., Ascenzi P., Preparation and characterization of pH- and temperature-sensitive pullulan microspheres for controlled release of drugs, *Biomaterials* 29 (18), 2767-2775, 2008.	**8.806**
3.	☒Fundueanu G*., Constantin M., Esposito E., Cortesi R., Nastruzzi C., Menegatti E., Cellulose acetate butyrate microcapsules containing dextran ion-exchange resins as self-propelled drug release system, *Biomaterials* 26, 4337-4347, 2005.	**8.806**
4.	☒Fundueanu G., Constantin M., Dalpiaz A., Bortolotti F., Cortesi R., Ascenzi P., Menegatti E., Preparation and characterization of starch/cyclodextrin bioadhesive microspheres as platform for nasal administration of Gabexate Mesilate (Foy®) in allergic rhinitis treatment, *Biomaterials* 25, 159-170, 2004.	**8.806**
5.	☒Fundueanu G., Nastruzzi C., Carpov A., Desbrieres J., Rinaudo M., Physico-chemical characterization of Ca-alginate microparticles produced with different methods, *Biomaterials* 20, 1427-1435, 1999.	**8.806**
6.	Ghimici L., Constantin M., Fundueanu G., Novel biodegradable flocculanting agents based on pullulan, *Journal of Hazardous Materials* 181 (1-3), 351-358, 2010.	**6.434**
7.	☒Fundueanu G*., Constantin M., Oanea I., Harabagiu V., Ascenzi P., Simionescu B.C., Prediction of the appropriate size of drug molecules that could be released by a pulsatile mechanism from pH/thermoresponsive microspheres obtained from preformed polymers, *Acta Biomaterialia* 8 (3), 1281-1289, 2012.	**6.383**
8.	☒Fundueanu G*., Constantin M., Ascenzi P., Poly(vinyl alcohol) microspheres with pH- and thermosensitive properties as temperature-controlled drug delivery, *Acta Biomaterialia* 6 (10), 3899-3907, 2010.	**6.383**
9.	☒Fundueanu G*., Constantin M., Ascenzi P., Poly(N-isopropylacrylamide-co-acrylamide) cross-linked thermoresponsive microspheres obtained from preformed polymers: Influence of the physico-chemical characteristics of drugs on their release profiles, *Acta Biomaterialia* 5 (1), 363-373, 2009.	**6.383**
10.	☒David G., Fundueanu G., Pinteala M., Minea B., Dascalu A., Simionescu B.C., Polymer engineering for drug/gene delivery: from simple towards complex architectures and hybrid materials, *Pure and Applied Chemistry* 86(11), 1621-1635, 2014.	**5.294**
11.	☒Constantin M., Bucatariu S., Doroftei F., Fundueanu G*., Smart composite materials based on chitosan microspheres embedded in thermosensitive hydrogel for controlled delivery of drugs, *Carbohydrate Polymers* 157, 493-502, 2017.	**5.158**
12.	☒Popescu I., Pelin I.M., Butnaru M., Fundueanu G., Suflet D., Phosphorylated curdlan microgels. Preparation, characterization, and in vitro drug release studies, *Carbohydrate Polymers* 94(2), 889-898, 2013.	**5.158**
13.	Constantin M., Asmarandei I., Harabagiu V., Ghimici L., Ascenzi P., Fundueanu G., Removal of	**5.158**

	anionic dyes from aqueous solutions by an ion-exchanger based on pullulan microspheres, *Carbohydrate Polymers* 91(1), 74-84, 2013.	
14.	Constantin M., Mihalcea I., Oanea I., Harabagiu V., Fundueanu G*., Studies on graft copolymerization of 3-acrylamidopropyl trimethylammonium chloride on pullulan, *Carbohydrate Polymers* 84 (3), 926-932, 2011.	**5.158**
15.	☒Fundueanu G*., Constantin M., Asmarandei I., Bucatariu S., Harabagiu V., Ascenzi P., Simionescu BC, Poly(N-isopropylacrylamide-co-hydroxyethylacrylamide) thermosensitive microspheres: The size of microgels dictates the pulsatile release mechanism, *European Journal of Pharmaceutics and Biopharmaceutics* 85 (3), 614-623, 2013.	**4.491**
16.	☒Fundueanu G., Constantin M., Bortolotti F., Cortesi R., Ascenzi P., Menegatti E., Cellulose acetate butyrate-pH/thermosensitive polymer microcapsules containing aminated poly(vinyl alcohol) microspheres for oral administration of DNA, *European Journal of Pharmaceutics and Biopharmaceutics* 66 (1), 11-20, 2007.	**4.491**
17.	☒Constantin M., Bucatariu S., Stoica I., Fundueanu G*., Smart nanoparticles based on pullulan-g-poly(N-isopropylacrylamide) for controlled delivery of indomethacin, International Journal of Biological Macromolecules 94 , 698-708, 2017.	**3.909**
18.	☒Constantin M., Bucatariu S., Harabagiu V., Ascenzi P., Fundueanu G*., Do cyclodextrins bound to dextran microspheres act as sustained delivery systems of drugs? International Journal of Pharmaceutics 469(1), 1-9, 2014.	**3.862**
19.	☒Fundueanu G*., Constantin M., Ascenzi P., Fast-responsive porous thermoresponsive microspheres for controlled delivery of macromolecules, *International Journal of Pharmaceutics* 379 (1-2), 9-17, 2009.	**3.862**
20.	☒Constantin M., Fundueanu G., Bortolotti F., Cortesi R., Ascenzi P. and Menegatti E., A novel multicompartimental system based on aminated poly(vinyl alcohol) microspheres/succinoylated pullulan microspheres for oral delivery of anionic drugs, *International Journal of Pharmaceutics* 330 (1-2), 129-137, 2007.	**3.862**
21.	☒Constantin M., Fundueanu G., Bortolotti F., Cortesi R., Ascenzi P., Menegatti E., Preparation and characterisation of poly(vinyl alcohol)/cyclodextrin microspheres as matrix for inclusion and separation of drugs. *International Journal of Pharmaceutics* 285 (1-2), 87-96, 2004.	**3.862**
22.	☒Fundueanu G., Mocanu G., Constantin M., Carpov A., Bulacovschi V., Esposito E., Nastruzzi C., Acrylic microspheres for oral controlled release of the biguanide buformin, *International Journal of Pharmaceutics* 218, 13-25, 2001.	**3.862**
23.	☒Fundueanu G., Esposito E., Mihai D., Carpov A., Desbrieres J., Rinaudo M., Nastruzzi C., Preparation and characterisation of Ca-alginate microspheres by a new modification method, *International Journal of Pharmaceutics* 170, 11-21, 1998.	**3.862**
24.	☒Fundueanu G., Constantin M., Bortolotti F., Cortesi R., Ascenzi P., Menegatti E., Poly[(N-isopropylacrylamide-co-acrylamide-co-hydroxyethylmethacrylate)] thermoresponsive microspheres: an accurate method based on solute exclusion technique to determine the volume phase transition temperature, *European Polymer Journal* 43, 3500-3509, 2007.	**3.741**
25.	Dragan S., Dranca I., Ghimici L., Cristea M., Funduianu G., Lupascu T., Thermal behaviour of some cationic polyelectrolytes and electrolyte complexes, *European Polymer Journal* 34, 733-737, 1998.	**3.741**
26.	☒Fundueanu G*., Constantin M., Bucatariu S., Ascenzi P., pH/thermo-responsive poly(N-isopropylacrylamide-co-maleic acid) hydrogel with a sensor and an actuator for biomedical applications *Polymer* 110, 177-186, 2017.	**3.483**
27.	☒Constantin M., Bucatariu S., Harabagiu V., Popescu I., Ascenzi P., Fundueanu G*., Poly(N-isopropylacrylamide-co-methacrylic acid) pH/thermo-responsive porous hydrogels as self-regulated drug delivery system, *European Journal of Pharmaceutical Sciences* 62, 86-95, 2014.	**3.466**
28.	☒Fundueanu G., Constantin M., Bortolotti F., Ascenzi P., Cortesi R., Menegatti E., Preparation and characterisation of thermoresponsive poly[(N-isopropylacrylamide-co-acrylamide-co-(hydroxyethyl acrylate)] microspheres as a matrix for the pulsed release of drugs, *Macromolecular Bioscience* 5, 955-964, 2005.	**3.392**
29.	☒Fundueanu G*., Constantin M., Asmarandei I., Harabagiu V., Ascenzi P., Simionescu B.C., The thermosensitivity of pH/thermoresponsive microspheres activated by the electrostatic interaction of pH-sensitive units with a bioactive compound, *Journal of Biomedical Materials Research - Part A* 101 A (6), 1661-1669, 2013.	**3.231**

30.	☒Constantin M., Fundueanu G., Cortesi R., Esposito E., Nastruzzi C., Aminated polysaccharide microspheres as DNA delivery systems, *Drug Delivery* 10, 1-11, 2003.	**3.095**
31.	☒Constantin M., Cristea M., Ascenzi P., Fundueanu G*., Lower critical solution temperature versus volume phase transition temperature in thermoresponsive drug delivery systems, *Express Polymer Letters* 5 (10), 839-848, 2011.	**3.064**
32.	Mihai M., Ghiorghita C.A., Nita L., Popescu I., Fundueanu G., New polyelectrolyte complex particles as colloidal dispersions based on weak synthetic and/or natural polyelectrolytes, *Express Polymer Letters* 5(6), 506-515, 2011.	**3.064**
33.	☒Bucatariu S., Constantin M., Ascenzi P., Fundueanu G*., Poly(lactide-co-glycolide)/cyclodextrin (polyethyleneimine) microspheres for controlled delivery of dexamethasone, *Reactive & Functional Polymers* 107, 46-53, 2016.	**2.975**
34.	☒Constantin M., Bucatariu S., Ascenzi P., Simionescu BC, Fundueanu G*., Poly(NIPAAm-co-β-cyclodextrin) microgels with drug hosting and temperature-dependent delivery properties , *Reactive & Functional Polymers* 84, 1-9, 2014.	**2.975**
35.	☒Bucatariu F., Simon F., Bellmann C., Fundueanu G., Dragan E.S., Stability under flow conditions of trypsin immobilized onto poly(vinyl amine) functionalized silica microparticles, *Colloids and Surfaces A: Physicochemical and Engineering Aspects* 399, 71-77, 2012.	**2.829**
36.	Bucatariu F., Fundueanu G., Hitruc G., Dragan E.S., Single polyelectrolyte multilayers deposited onto silica microparticles and silicon wafers, *Colloids and Surfaces A: Physicochemical and Engineering Aspects* 380 (1-3), 111-118, 2011.	**2.829**
37.	☒Fundueanu G*., Constantin M., Bucatariu S., Ascenzi P., Poly(N-isopropylacrylamide-co-N-isopropylmethacrylamide) thermo-responsive microgels as self-regulated drug delivery system, *Macromolecular Chemistry and Physics* 217(22) , 2525-2533, 2016.	**2.50**
38.	☒Nichifor M., Constantin M., Mocanu G., Fundueanu G., Branisteanu D., Costuleanu M., Radu C. D., New multifunctional textile biomaterials for the treatment of leg venous insufficiency, *Journal of Materials Science: Materials in Medicine* 20(4), 975-982, 2009.	**2.448**
39.	☒Fundueanu G., Constantin M., Mihai D., Bortolotti F., Cortesi R., Ascenzi P., Menegatti E., Pullulan-cyclodextrin microspheres. A chromatographic approach for the evaluation of the drug – cyclodextrin interactions and the determination of the drug release profiles, *Journal of Chromatography B*, 791 407 – 419, 2003.	**2.441**
40.	☒Fundueanu G*., Constantin M., Ascenzi P., Simionescu B.C., An intelligent multicompartmental system based on thermo-sensitive starch microspheres for temperature-controlled release of drugs, *Biomedical Microdevices* 12 (4), 693-704, 2010.	**2.077**
41.	☒Bucatariu F., Simon F., Fundueanu G., Dragan E.S., Design of silica microparticles with oligopeptide brushes and their interaction with proteins, *Colloid and Polymer Science* 289 (1), 33-41, 2011.	**1.967**
42.	Tarabukina E., Rozanova A., Filippov A., Constantin M., Harabagiu V., Fundueanu G., Thermo- and pH-responsive phase separation of N-isopropylacrylamide with 4-vinylpyridine random copolymer in aqueous solutions, *Colloid and Polymer Science* 296(3), 557-565, 2018.	**1.967**
43.	☒Cortesi R., Ajanji S.C., Sivieri E., Manservigi M., Fundueanu G., Menegatti E., Esposito E. , "Eudragit microparticles as a possible tool for ophthalmic administration of acyclovir", *Journal of Microencapsulation*, 24 (5), p.445-456, 2007.	**1.793**
44.	Tarabukina E., Seyednov E., Filippov A., Constantin M., Harabagiu V., Fundueanu G., Thermoresponsive Properties of N-Isopropylacrylamide with Methacrylic Acid Copolymer in Media of Different Acidity, *Macromolecular Research* 25(7), 680-688, 2017.	**1.767**
45.	Popescu I., Prisacaru A., Suflet D., Fundueanu G., Thermo- and pH-sensitivity of poly (N-vinylcaprolactam-co-maleic acid) in aqueous solution, *Polymer Bulletin* 71(11), 2863-2880, 2014.	**1.589**
46.	Bucatariu S., Fundueanu G., Prisacaru I., Balan M., Stoica I., Harabagiu V., Constantin M., Synthesis and characterization of thermosensitive poly(N-isopropylacrylamide-co-hydroxyethylacrylamide) microgels as potential carriers for drug delivery, *Journal of Polymer Research* 21(11), 580, 2014	**1.434**
47.	☒Asmarandei I., Fundueanu G., Cristea M., Harabagiu V., Constantin M., Thermo- and pH-sensitive interpenetrating poly(N-isopropylacrylamide)/carboxymethyl pullulan network for drug delivery, *Journal of Polymer Research* 20(11), 293, 2013.	**1.434**
48.	Avadanei M., Fundueanu G., Comparative vibrational study of two N-isopropylacrylamide-based co-polymers: Influence of the polymer hydrophobicity on the phase transition, *Vibrational Spectroscopy* 63, 311-324, 2012.	**1.363**

49.	Avadanei M., Avadanei O., Fundueanu G., Effect of comonomer ratio and ionic strength on the thermo-induced conformational changes in N-isopropylacrylamide based copolymers: An ATR-FTIR spectroscopic study, *Vibrational Spectroscopy* 61, 133-143, 2012.	**1.363**
50.	☒Fundueanu G*., Constantin M., Bucatariu S., Mocanu G., Cation exchange hydrogels as platform for loading and controlled delivery of drug, *Journal of Nanoscience and Nanotechnology* 17(7), 4643-4648, 2017.	**1.354**

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☒-Publicatii in domeniile de cercetare declarate

Data: 29.10. 2018

Semnatura

CSI Dr. Ing. Gheorghe Fundueanu-Constantin