

Prof. Dr. Habil. Florentina-Daniela Munteanu

Fișa de îndeplinire a criteriilor minime cf. OM 6129/2016, Anexa 18 – Ingineria Mediului

Nr. crt.	Zona încadrării lucrării	Publicații în Web of Science	Număr de autori	Factor de impact	Autor principal	Factor de impact/număr de autori*
1.	Q1	Gorton, L.; Lindgren, A.; Larsson, T.; Munteanu, F.D. ; Ruzgas, T.; Gazaryan, I. Direct electron transfer between heme-containing enzymes and electrodes as basis for third generation biosensors. <i>Analytica Chimica Acta</i> 1999, 400, 91-108.	6	5.977	NU	0.996
2.	Q1	Munteanu, F.D. ; Okamoto, Y.; Gorton, L. Electrochemical and catalytic investigation of carbon paste modified with toluidine blue o covalently immobilised on silica gel. <i>Analytica Chimica Acta</i> 2003, 476, 43-54.	3	5.977	DA	5.977
3.	Q1	Munteanu, F.D. ; Lindgren, A.; Emneus, J.; Gorton, L.; Ruzgas, T.; Csoregi, E.; Ciucu, A.; van Huystee, R.B.; Gazaryan, I.G.; Lagrimini, L.M. Bioelectrochemical monitoring of phenols and aromatic amines in flow injection using novel plant peroxidases. <i>Analytical Chemistry</i> 1998, 70, 2596-2600.	10	6.785	DA	6.785
4.	Q1	Munteanu, F.D. ; Mano, N.; Kuhn, A.; Gorton, L. Mediator-modified electrodes for catalytic NADH oxidation: High rate constants at interesting overpotentials. <i>Bioelectrochemistry</i> 2002, 56, 67-72.	4	4.722	DA	4.722
5.	Q1	Persson, P.; Larsson, S.; Jonsson, L.J.; Nilvebrant, N.O.; Sivik, B.; Munteanu, F. ; Thorneby, L.; Gorton, L. Supercritical fluid extraction of a lignocellulosic hydrolysate of spruce for detoxification and to facilitate analysis of inhibitors. <i>Biotechnology and</i>	8	4.002	NU	0.500

		Bioengineering 2002, 79, 694-700.				
6.	Q1	Sirghie, C.; Bodescu, A.M.; Botar, A.; Cavaco-Paulo, A.; Munteanu, F.D. Characterization of ligno-cellulosic materials bleached with oxo-diperoxo-molybdates. Carbohydrate Polymers 2013, 98, 490-494.	5	7.182	DA	7.182
7.	Q1	Munteanu, F.D.; Basto, C.; Gubitz, G.M.; Cavaco-Paulo, A. Staining of wool using the reaction products of abts oxidation by laccase: Synergetic effects of ultrasound and cyclic voltammetry. Ultrasonics Sonochemistry 2007, 14, 363-367.	4	2.434	DA	2.434
8.	Q1	Munteanu, F.D.; Ferreira, P.; Ruiz-Duenas, F.J.; Martinez, A.T.; Cavaco-Paulo, A. Bioelectrochemical investigations of aryl-alcohol oxidase from pleurotus eryngii. Journal of Electroanalytical Chemistry 2008, 618, 83-86.	5	3.807	DA	3.807
9.	Q1	Munteanu, F.D.; Kubota, L.T.; Gorton, L. Effect of pH on the catalytic electro oxidation of nadh using different two-electron mediators immobilised on zirconium phosphate. Journal of Electroanalytical Chemistry 2001, 509, 2-10.	3	3.807	DA	3.807
10.	Q1	Munteanu, F.D.; Mano, N.; Kuhn, A.; Gorton, L. NADH electrooxidation using carbon paste electrodes modified with nitro-fluorenone derivatives immobilized on zirconium phosphate. Journal of Electroanalytical Chemistry 2004, 564, 167-178.	4	3.807	DA	3.807
11.	Q1	Munteanu, F.D.; Ruiz-Duenas, F.J.; Martinez, A.T.; Cavaco-Paulo, A. Kinetics of direct and substrate-mediated electron transfer of versatile peroxidase-modified graphite electrodes.	4	3.807	DA	3.807

		Journal of Electroanalytical Chemistry 2005, 580, 35-40.				
12.	Q1	Munteanu, F.-D. ; Titoiu, A.M.; Marty, J.-L.; Vasilescu, A. Detection of antibiotics and evaluation of antibacterial activity with screen-printed electrodes. Sensors (Basel, Switzerland) 2018, 18.	4	3.275	DA	3.275
13.	Q1	Castro, Tarsila G.; Munteanu, Florentina-Daniela ; Cavaco-Paulo, Artur, Electrostatics of Tau Protein by Molecular Dynamics, Biomolecules, 2019, 116	3	4.082	NU	1.361
14.	Q1	Năstuneac, V.; Panainte-Lehăduș, M.; Moșneguțu, E.F.; Gavrițaș, S.; Cioca, G.; Munteanu, Florentina-Daniela , Removal of Cypermethrin from Water by Using <i>Fucus Spiralis</i> Marine Alga. International Journal of Environmental Research and Public Health 2019, 16, 3663	6	2.849	DA	2.849
15.	Q2	Cioca, Gabriela; Munteanu, Florentina-Daniela , Estimation of the Amount of Disposed Antibiotics, Sustainability, 2019, 1800	2	2.576	DA	2.576
16.	Q2	Fernandes, M.M.; Gomes, A.C.; Vasconcelos, A.; Munteanu, F.D. ; Tzanov, T.; Goncalves, M.S.T.; End, N.; Schoening, K.U.; Guebitz, G.M.; Cavaco-Paulo, A. Protein disulphide isomerase-assisted functionalization of keratin-based matrices. Applied Microbiology and Biotechnology 2011, 90, 1311-1321.	10	3.530	NU	0.353
17.	Q2	Munteanu, F.D. ; Dicu, D.; Popescu, I.C.; Gorton, L. Nadh oxidation using carbonaceous electrodes modified with dibenzo-dithia-diazapentacene. Electroanalysis 2003, 15, 383-391.	4	2.544	DA	2.544
18.	Q2	Munteanu, F.D. ; Mosbach, M.; Schulte, A.; Schuhmann, W.;	5	2.544	DA	2.544

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		Gorton, L. Fast-scan cyclic voltammetry and scanning electrochemical microscopy studies of the ph-dependent dissolution of 2-electron mediators immobilized on zirconium phosphate containing carbon pastes. <i>Electroanalysis</i> 2002, 14, 1479-1487.				
19.	Q2	Lindgren, A.; Munteanu, F.D. ; Gazaryan, I.G.; Ruzgas, T.; Gorton, L. Comparison of rotating disk and wall-jet electrode systems for studying the kinetics of direct and mediated electron transfer for horseradish peroxidase on a graphite electrode. <i>Journal of Electroanalytical Chemistry</i> 1998, 458, 113-120.	5	3.807	NU	0.761
20.	Q2	Bucur, B.; Munteanu, F.-D. ; Marty, J.-L.; Vasilescu, A. Advances in enzyme-based biosensors for pesticide detection. <i>Biosensors</i> 2018, 8.	4	3.240	NU	0.810
21.		Dicu, D.; Munteanu, F.D. ; Popeseu, I.C.; Gorton, L. Indophenol and o-quinone derivatives immobilized on zirconium phosphate for NADH electro-oxidation. <i>Analytical Letters</i> 2003, 36, 1755-1779.	4	1.467	NU	0.367
22.		Munteanu, F.D. ; Cavaco-Paulo, A. Biosensors based on laccase for detection of commercially reactive dyes. <i>Analytical Letters</i> 2010, 43, 1126-1131.	2	1.467	DA	1.467
23.		Munteanu, F.D. ; Gorton, L.; Lindgren, A.; Ruzgas, T.; Emneus, J.; Csoregi, E.; Gazaryan, I.G.; Ouporov, I.V.; Mareeva, E.A.; Lagrimini, L.M. Direct and mediated electron transfer catalyzed by anionic tobacco peroxidase - effect of calcium ions. <i>Applied Biochemistry and Biotechnology</i> 2000, 88, 321-333.	10	2.277	DA	2.277
24.		Zille, A.; Munteanu, F.D. ; Gubitz, G.M.; Cavaco-Paulo, A.	4	2.269	NU	0.567

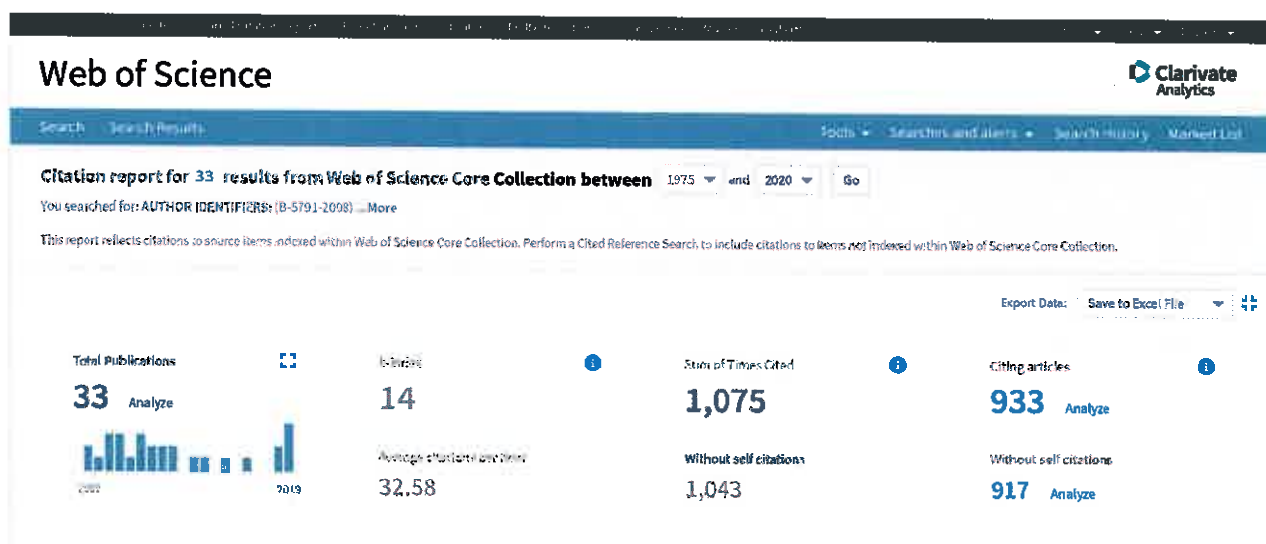
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		Laccase kinetics of degradation and coupling reactions. Journal of Molecular Catalysis B-Enzymatic 2005, 33, 23-28.				
25.		Kubota, L.T.; Munteanu, F. ; Roddick-Lanzilotta, A.; McQuillan, A.J.; Gorton, L. Electrochemical investigation of some aromatic redox mediators immobilised on titanium phosphate. Quimica Analitica 2000, 19, 15-27.	5	0.571	NU	0.114
26.		Munteanu, F.D. ; Gligor, D.; Popescu, I.C.; Gorton, L. Formate dehydrogenase-modified carbon paste electrodes for amperometric detection of formate. Revue Roumaine de Chimie 2006, 51, 25-30.	4	0.381	DA	0.381
27.		Munteanu, F.D. ; Sanislav, A.; Stanescu, M.D. Coupled electrochemical and enzymatic degradation of two anthraquinone dyes. Revue Roumaine De Chimie 2015, 60, 233-239.	3	0.381	DA	0.381
28.		Munteanu, F.D. ; Dinca, N.; Cavaco-Paulo, A. MALDI-ToF mass spectrometry in textile industry. in Applications of mass spectrometry in life safety, Popescu, C.; Zamfir, A.D.; Dinca, N., Eds. 2008; pp 193-+.			DA	
29.		Fernandes, M.; Basto, C.; Zille, A.; Munteanu, F.; Guebitz, G.M.; Cavaco-Paulo, A. Poly 441-sono-enzymatic polymerization of catechol. Abstracts of Papers of the American Chemical Society 2006, 232.			NU	
30.		Lindgren, A.; Ruzgas, T.; Stoica, L.; Munteanu, F. ; Gorton, L. Cellobiose dehydrogenase and peroxidase biosensors for determination of phenolic compounds. Abstracts of Papers of the American Chemical Society 1999, 217, U789-U789.			NU	
31.		Tzanov, T.; Munteanu, F.D. ; Cavaco-Paulo, A. Cell 130-isomerases for functional			NU	

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		modification of fibrous polymers. Abstracts of Papers of the American Chemical Society 2007, 233, 674-674.				
32.		Zille, A.; Munteanu, F. ; Guebitz, G.M.; Artur, C.P. Laccase polymerization of amino-phenol compounds. Abstracts of Papers of the American Chemical Society 2005, 229, U955-U955.			NU	
33.		Nastuneac, Violeta, Gavrilas, Simona, Munteanu, Florentina-Daniela , Assessment of the Water Quality in Siret Hydrographic Basin, Scientific Study and Research-Chemistry and Chemical Engineering Biotechnology Food Industry, 2019, 20 (3), 471-480,			DA	
34.	BREVET	Sîrghie Cecilia, Radu Dana Gina, Munteanu Florentina-Daniela , Pag Andreea, Dochia Mihaela, Tomescu Daniel, Procedeu de topire a plantelor liberiene ca de exemplu: in, cânepă, iută etc., 2016, RO128837B1	6	1	NU	0.333
						66.784

* Pentru articolele la care candidatul este autor principal factorul de impact nu a fost împărțit la numărul de autori



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Îndeplinirea criteriilor minimele:

Criteriau	Minim pentru abilitare, profesor, CS I	Realizat
NT - număr total de articole în reviste ISI	25	33 + 1 brevet
NP- număr articole în reviste ISI la care candidatul este autor principal (prim autor sau autor de corespondență)	10 (6 în reviste cu FI > 1)	20 (16 în reviste cu FI > 1)
FIC - factor de impact cumulat (suma factorilor de impact ai revistelor la momentul susținerii publice a tezei de doctorat sau la momentul înscrierii la concursul pentru ocuparea unei poziții didactice)	20	66,784
NC- număr total de citări din baza SCOPUS sau ISI Web of Science , excluzându-se autocitările	100	1043

