



ANEXA nr. 3 la Regulamentul privind obținerea atestatului de abilitare
în Universitatea „Dunărea de Jos” din Galați (IOSUD-UDJG)

FIȘA DE VERIFICARE A ÎNDEPLINIRII STANDARDELOR MINIMALE
pentru ocuparea postului didactic de PROFESOR UNIVERSITAR,
în vederea obținerii atestatului de abilitare

Candidat _____ Profesor Geta Cârâc _____

Domeniul de abilitare solicitat _____ Ingineria materialelor _____

1. Doctor în științe în domeniul ... Știința Materialelor.....

2. Date privind îndeplinirea standardelor minime naționale DA NU

Domeniul de activitate	Profesor/ Domeniul			
	Punctaj minimal impus	Punctaj propriu	Grad de indeplinire	
			DA	NU
A1. Activitate didactica/ profesională	Minim 40 puncte	458	DA	
1.1. Carti si capitole în carti de specialitate Subcriteriu 1.1.1. Carti/capitole ca autor Subcriteriu 1.1.1.2. naționale	minim 2, d.c.1 prim autor	2 cărți naționale / prim autor la 2 cărți naționale co-autor (autor corespondent) la 2 capitole internaționale	DA	
1.2. Material didactic/Lucrări didactice Subcriteriu 1.2.1. Manuale didactice/Monografii	minim 1	prim autor la 2 manuale	DA	
Subcriteriu 1.2.2. Indrumătoare de laborator/ aplicații	minim 1	prim autor la 4 îndrumătoare de laborator	DA	
A2. Activitatea de cercetare	Minim 300 puncte	678	DA	
Subcriteriu 2.1. Articole în reviste cotate ISI Thomson Reuters și în volume indexate ISI proceedings	Minim 15 articole/din care min. 10 in reviste cotate ISI Th.R., din care min. 5 cu FI min. 0,5 si min.5 ca autor principal	32 articole din care 28 articole ISI; 10 articole cu FI > 0,5; 11 articole ca autor principal	DA	



Subcriteriu 2.2. Articole în reviste și volumele unor manifestări științifice indexate în alte baze de date internaționale	Minim 5	19 articole BDI	DA	
Subcriteriu 2.4. Granturi/proiecte castigate prin competiție Subcriteriu 2.4.1. Director/ responsabil	Minim 3 / din care cel puțin unul ca director	6 granturi/proiecte; 3 director de proiect/ 2 proiecte grant; 11 responsabil	DA	
A3. Recunoașterea impactului activității Subcriteriu 3.1. Citări în reviste ISI și BDI	Minim 60 puncte	1064	DA	

-Conform OM nr. 6560/2012, MO 890 și 890bis /27.12.2012 privind aprobarea standardelor minimale necesare și obligatorii pentru conferirea titlurilor didactice din învățământul superior, cu modificările ulterioare (OMEN 4.204 publicat în MO nr.440/18.07.2013).

Concluzie:

Domnul/Doamna dr. _____ **ÎNDEPLINEȘTE CRITERIILE** necesare și obligatorii pentru abilitare în Domeniul și, în consecință, SE PROPUNE înaintarea unei propuneri de comisie către MECS - CNATDCU.

SAU

Domnul//Doamna dr. _____ **NU ÎNDEPLINEȘTE CRITERIILE NECESARE** și obligatorii pentru abilitare în Domeniul

și, în consecință **NU SE JUSTIFICA E** înaintarea unei propuneri de comisie către MECS - CNATDCU.

Galați...../201.....

Comisia de verificare a standardelor minimale (numită prin decizia UDJG Nr...../.....2015)

Președinte...../ Semnatura

Membru...../ Semnatura

...../ Semnatura

...../ Semnatura

FIȘA DE VERIFICARE A ÎNDEPLINIRII STANDARDELOR MINIMALE

în vederea obținerii atestatului de abilitare

(în conformitate cu Anexa nr.7 din OM 6360/2012, publicat în Mon. Of. Nr. 890 bis/27.12.2012,
privind aprobarea standardelor minimale necesare
și obligatorii pentru conferirea titlurilor didactice din învățământul superior, cu modificările ulterioare
(OMEN 4.204 publicat în MO nr.440/18.07.2013).

Candidata: Profesor Dr. Geta Cârâc

Domeniu: Ingineria Materialelor

Ramura de știință Conform Anexei 3: Inginerie mecanică, mecatronică, inginerie industrială și management; 6560/20.12.2012, anexa 7

Domeniul activităților	Tipul activităților	Categoriile și restricții	Subcategoriile	Indicatori (kpi)	Rezultate livrabile	Criterii proprii	Grac
1	2	3	4	5	6	7	înde
Activitate didactică / profesională (A1)	1.1. Carti și capitole în carti de Specialitate	1.1.1. Carti/ capitole ca autor	1.1.1.1. internationale	11/5x3 = 0,733	Stoica, M., Bahrim, G., Cârâc, G. Capitol: <i>Factors that Influence the Electric Field Effects on Fungal Cells</i> In: Science against microbial pathogens: communicating current research and technological advances A. Méndez-Vilas (Ed.), Publisher: Formatex Research Center, vol.2, 2012, pag. 291-302, ISBN (13): 978-84-939843-1-1 www.formatex.org/microbiology3/chapters1.html	<i>Co-autor (autor correspondent) la 2 capitole internaționale</i>	
				21/5x4 = 1,05	Stoica, M., Alexe P., Dinică, R., Cârâc, G. Capitol: <i>Electrochemical Behaviour of AISI 304 Stainless Steel Immersed in Mixtures Consisting by Biocide and Fungal Suspensions</i> in: The Food Industry / Book 2, 2012, pag. 97-118, Ed: In-Tech, Croatia, ISBN 979-953-307-709-2.		
			1.1.2.1 nationale; Profesor minim 2, d.c.1 prim autor;	266/10x2= 13,3	Cârâc, G. , Stefan C. S. <i>Electrochimie, Principii fundamentale și aplicații</i> , Ed. Galați University Press, ISBN 978-606-8348-64-3, 2012, 266 pg.	<i>Prim autor la 2 cărți naționale</i>	
				250/10x2= 12,5	Cârâc, G. , Gheorghiuță, I. <i>Chimie analitică - Instrumente și principii de analiză</i> , Ed. Fundației Universitare, Dunărea de Jos Galați, 2005, ISBN 971-627-211-7, 250 pg.		
		1.1.2 Carti/ capitole ca editor	1.1.2.1 internationale	100/10x2= 5	Final workshop COST D33 – Chemistry: <i>Nanoscale Electrochemical and Bio-processes (Corrosion) at Solid-aqueous Interfaces of Industrial Materials</i> , 13-15 Mai 2009, Cluj-Napoca, Editori: Benea L., Cârâc G. , Ed. Alma Print, ISBN 978-973-1937-09, abstract book 100 pag.	<i>Co-editor la o publicație internațională</i>	
				1.1.2.1. nationale;	-	-	
		1.2. Material didactic / Lucrari didactice	1.2.1 Manuale didactice/ Monografii (minim 1)	210/20x2= 2,4	Cârâc, G. , Gheorghiuță, I. <i>Chimie analitică - Analize calitative</i> Ed. ARS DOCENDI ISBN 973-8118-15-8, 2000, 210 pag	<i>Prim autor la 1 manual didactic</i>	
		1.2.2	1.2.2. Indrumatoare	165/25x3= 2,2	Cârâc, G. , Popa, P., Timofte M. <i>Chimie analitică și analize fizico-chimice – Indumar de lucrari practice de laborator</i>	<i>Prim autor la 4</i>	

			de laborator /aplicatii (minim 1);	Ed. Galati University Press, Ed. a 2-a, rev. 2014,ISBN 978-606-696-011-3, 165 pg	<i>îndrumătoare de laborator</i>
			170/25x3= 2,26	Cârâc, G. , Popa, P., Timofti M. <i>Chimie analitică si analize fizico-chimice – Indumar de lucrari practice de laborator</i> Ed.Galati University Press, 2010, ISBN 973-606-8008-9, 170 pg	
			102/25x3= 1,36	Cârâc, G. , Iticescu C. și Stoian, A., <i>Electrochimie - lucrări practice de laborator</i> Ed. Academica, ISBN 973-8316-75-8, 2004, 102 pg.	
			120/25x2= 2,4	Cârâc, G. , Popa, P., <i>Chimie analitică - Lucrari practice de laborator</i> Ed. Academică, Galati, ISBN 973-8316-27-8, 2003, 120 pg.	
		1.3.Coordonare de programe de studii, organizare si coordonare programe de formare continua si proiecte educationale	Director / Responsabil / Membru	Director pentru programul de studii, master “ <i>Chimia Fizica a Suprafetelor</i> ” la Facultatea de Stiinte	<i>Responsabil pentru 5 programe Erasmus</i>
			15	Responsabil Erasmus pentru Germania, Dresda, 15 ani;1999-2013	
			10x15 = 150	Responsabil Erasmus pentru Germania, Chemnitz, 12 ani; 2002-2013	
			10x12 = 120	Responsabil Erasmus pentru Lituania Vinius, 8 ani; 2009-2013; Erasmus+2014-2016	
			10x8 = 80	Responsabil Erasmus pentru Spania Barcelona, 2 ani; 2002-2004	
			10x2 = 20	Responsabil Erasmus + pentru Germania, Ilmenau; 3 ani, 2014-2016	
			10x3 = 30		
2.1. Activitatea de cercetare (A2)	2.1. Articole in reviste cotate ISI Thomson Reuters si in volume indexate ISI proceedings	Minim 15 articole pentru Profesor / CS I din care min. 10 in Reviste cotate ISI Th.R., din care min. 5 cu FI de min. 0,5, si min. 5 ca autor principal indiferent de FI	(25 + 20 x 3,352/11) = 8,367	Stirke A., Apetrei R.M., Kirsnyte M., Dedelaite L., Bondarenka V., Jusulaitiene V., Pucetaite M., Selkis A., Cârâc G. , Bahrim G., Ramanavicius A. <i>Synthesis of polypyrrole microspheres by Streptomyces spp.</i> Polymer 2016 , 84, 99-106 (FI 3,352) https://www.researchgate.net/publication/288058697_Synthesis_of_polypyrrole_microspheres_by_Streptomyces_spp	32 articole ISI si in volume indexate ISI proceedings: din care 28 articole ISI, 10 articole cu FI>0,5 11 articole ca autor principal
			(25 + 20 x 0,136/4) = 6,93	Carac A., Boscencu R., Dinică R.M., Cârâc G.* <i>Electrochemical Behaviour of the New Heterocyclic Pyridinium Ligands</i> Studia UBB Chemia , 2015, Lx3, 99-109 (FI 0,136) http://connection.ebscohost.com/c/articles/110420742/electrochemical-behaviour-new-heterocyclic-pyridinium-ligands	
			(25 + 20 x 0,677/6) = 6,42	Stefan C.S., Constantin O., Cârâc G. , Dinică R.M., Georgescu C., Tutunaru D. <i>Imidazolium Octanoate Carboxylate as New Branching Agent in Lysozyme Crystallization</i> Revista de Chimie , 2014, 65 (8) 934-938 (FI 0,677) http://www.revistadechimie.ro/pdf/STEFAN%20C.pdf%208%2014.pdf	
			(25 + 20 x 1,178/3) = 16,18	Cojocaru P., Orac L., Cârâc G. <i>Electrodeposition parameters dependence of microstructure and roughness of Cu - Mo composite coatings,</i> Zeitschrift für Physikalische Chemie , 2013, 227 (8) 1059-1069 (FI 1,178) DOI: 10.1524/zpch.2013.0354, ISSN 0942-9352, http://www.degruyter.com/view/f/zpch.2013.227.issue-8/zpch.2013.0354/zpch.2013.0354.xml	
			(25 + 20 x 0,351/4) = 8,00	Stefan C.S., Dinică R.M., Anouti M., Cârâc G. , <i>Pyrrolidinium Octanoate Carboxylate as PIL Agent in the Growth ,Mechanism of Lysozyme Spherulites</i> Romanian Biotechnological Letters , 2013, 18 (3) 8233-8244 (FI 0,351) http://www.rombio.eu/vol18nr3/2%20Simona%20Stefan.pdf	
			(25 + 20 x 0,827/2) = 20,77	Cârâc G. , Ispas A. <i>Effect of nano-Al₂O₃ particles and of the Co concentration on the corrosion behaviour of electrodeposited Ni-Co alloys</i> Journal of Solid State Electrochemistry , 2012, 16(11) 3457-3465 (FI 0,827) http://link.springer.com/article/10.1007%2Fs10008-012-1909-y	
			(25 + 20 x 0,573/5) = 7,292	Rusu (Cosor) D. E., Ispas A., Bund A., Gheorghies C., Cârâc G. <i>Corrosion Tests of Nickel Coatings Prepared from a Watts-Type Bath</i> Journal of Coatings Technology and Research , 2012, 9(1) 87-95 (FI 0,573)	

			DOI: 10.1007/s11998-011-9343-0 , http://www.springerlink.com/content/q05750887t246180/
(25 + 20 x 0,248/4) = 7,49	Stoica M., Bahrim G., Dinicã R., Cârâc G* . <i>Electrochemical study of stainless steel characteristic modification on correlative effect of fungal cell suspension and ActiSEPT used as biocide for equipment disinfection in bioprocessing of food</i> , Journal of Optoelectronics and Advanced Materials , 2012, 14 (3-4) 317 – 322 (FI 0,248) Thomson Reuters, Journal Citation Report®, Published By: INOE Publishing House.		
(25 + 20 x 0,068/8) = 3,295	Stoica M., Mikoliūnaitė L., Ramanavičienė A., Alexe P., Cârâc G* , Dinica R., Voronovic J., Ramanavičius A. <i>Corrosion Study of Stainless Steel Incubated in Solutions Consisting of Biocide (Oxonia-Active) and Aspergillus niger Suspension Corrosion of Stainless Steel in Aspergillus niger Suspension</i> Chemija , 2012, 23 (3) 180 -186 (FI 0,068) Thomson Reuters, Journal Citation Report®, Published By: Lietuvos mokslų akademija.		
(25 + 20 x 0,01/3) = 8,40	Stoica M., Alexe P., Cârâc G* . <i>Electrochemical study of AISI 304.</i> <i>Corrosion behavior of AISI 304 stainless steel in a biocide with fungi</i> Metalurgia International , 2012, 17 (6) 106-109. ISSN 1582-2214 (FI 0) Thomson Reuters, Journal Citation Report®		
(25 + 20 x 1,277 /7) = 7,22	Ramanaviciene A., Minkstimiene A, K., Oztekin Y., Cârâc G. , Voronic J., German N., Ramanavicius A. <i>Visualization of red-ox proteins on the gold surface using enzymatic polypyrrole formation</i> , Microchimica Acta , 2011, 175:79-86. DOI 10.1007/s00604-011-0645-9 (FI 1,277) http://journals2.scholarsportal.info/details.xqy?uri=/00263672/v175i1-2/79_vorpotgsuepf.xml		
(25 + 20 x 0,331 /11) = 2,874	Mikoliunaite L., Makaraviciute A., Suchodolskis, A., Ramanaviciene A., Oztekin Y., Stirke, A., Jurkaite G., Ukanis M., Cârâc G. , Cojocar P. Ramanavicius A. <i>Atomic Force Microscopy Study of Living Baker's Yeast Cells</i> Advanced Science Letters , 2011, 4, 368-376 http://www.researchgate.net/publication/232715807_Atomic_Force_Microscopy_Study_of_Living_Baker's_Yeast_Cells		
(25 + 20 x 0,434 /3) = 11,226	Hagioglu P., Gheorghies C., Cârâc G. <i>Accelerated corrosion behavior of Cu-Zn tombac used in production of patrimony goods</i> Environmental Engineering and Management Journal , 2011, 10(2) 199-203 (FI 0,434) http://omicron.ch.tuiasi.ro/EEMJ/		
(25 + 20 x 0,491/5) = 6,964	Cantaragiu A. M., Cojocar P., Cârâc G. , Gheorghies C., Magagnin L. <i>Electrocodeposition of Ag/TiO₂ nanocomposite coatings in cyanide free electrolytes</i> Transactions of the Institute of Metal Finishing , 2011, 89 (1) 39-43 (FI 0,491) http://www.ingentaconnect.com/content/maney/imf/2011/00000089/00000001		
(25 + 20 x 0,248 /3) = 9,986	Cantaragiu A.-M., Cârâc G. , Gheorghies C. <i>Electrochemical study of AISI 316L Stainless Steel in different nanoparticle suspensions</i> Journal of Optoelectronics and Advanced Materials 2010, 12 (11) 2391 – 2399 (FI 0,248) file:///C:/Users/geta/Downloads/128CANTARAGIU_am%20(1).pdf		
(25 + 20 x 0,248 /5) = 5,992	Rusu, D. E., Cojocar, P., Magagnin, L., Gheorghies, C., Cârâc, G. <i>Study of Ni-TiO₂ nanocomposite coating prepared by electrochemical deposition</i> Journal of Optoelectronics and Advanced Materials 2010, 12 (11) 2419 – 2422 (FI 0,248) file:///C:/Users/geta/Downloads/1212RUSU_de%20(1).pdf		
(25 + 20 x 0,991 /3) = 14,94	Stoica M., Bruma M., Cârâc G* . <i>Electrochemical study of AISI 304 SS at disinfectants with fungi</i> Materials and Corrosion , 2010, 61 (9999), 12, 1017-1025, ISSN: 0947-5117 (FI 0,991) http://onlinelibrary.wiley.com/doi/10.1002/maco.v61.12/issuetoc#jumpTo		
(25 + 20 x 0,248 /5) = 5,992	Cantaragiu, A.M., Cojocar, P., Magagnin, L., Cârâc, G. , Gheorghies, C. <i>Electrophoretic synthesis and characterization of bioactive HAP/TiO₂ thin films coated on stainless steel</i> Journal of Optoelectronics and Advanced Materials 2010, 12 (4) 913-918 (FI 0,248) file:///C:/Users/geta/Downloads/4CANTARAGIU.pdf		

20/5 = 4	Cojocaru P., Leserria, A., Magagnina L., Vázquez M., Cârâc G. <i>Electrodeposition of Ni/ Co and Ni Magnetic Nanowires using Allumina Template</i> 217 th ECS Meeting ECS, Las Vegas, NV, October 4-9, 2010 ECS Transactions , Proceedings 2011 , 33 (34) 43-49 http://ecst.ecsdl.org/cgi/collection/electrochemical_chemical_deposition-etching?page=6
20/6 = 3,33	Cojocaru P., Muscolino F., Magagnin L., Vázquez M., Badini-Confalonier G., Cârâc G. <i>Electrodeposition of Ni/Co and Ni Magnetic Nanowires using Alumina Template</i> The 216 th ECS Meeting ECS, Vienna, Austria, October 4 - October 9, 2009 ECS Transactions , Proceedings 2010 , 25 (27) 147-153 CODEN: ECSTF8 , ISSN-1938-5862 (print), http://www.ecsdl.org/new_ECST
(25+20 x 0,248 /4) = 7,49	Stoica, M., Cârâc, G., Apetrei, C., Cantaragiu, A.-M. <i>Electrochemical study of stainless steel surfaces in biodegradable biocides</i> Journal of Optoelectronics and Advanced Materials 2010 , 12 (4) 919-922 (FI 0,248) http://cat.inist.fr/?aModele=afficheN&cpsidt=22799112
(25 + 20 x 0,248 /5) = 5,599	Rusu D. E., Ispas A., Bund A., Gheorghies C., Cârâc G. <i>Microstructure and corrosion resistance for the electrodeposited nickel from watts baths</i> Journal of Optoelectronics and Advanced Materials 2010 , 12(6) 1372-1377 (FI 0,248) http://www.researchgate.net/publication/234114542_Microstructure_and_corrosion_resistance_for_the_electrodeposited_nickel_from_watts-type_baths
(25 + 20 x 0,117 /4) = 6,835	Stoica M., Alexe P., Cârâc G. , Nicolau A. <i>The importance of finishing for the integrity of Stainless Steel surfaces during sanitation treatments</i> Journal of Environmental Protection and Ecology , 2011 , 12 (4) 1669-1779 (FI 0,117) Impact Factor: 0.071 (2012 data); Thomson Reuters, Journal Citation Report®, Published By: SciBulCom Ltd.,
(25 + 20 x 0,984 / 7) = 6,382	Thiemig D., Cantaragiu A.M., Schachscha S., Bund, A., Pich A., Cârâc G. , Gheorghies C. <i>Electrocodeposition of hydroxyapatite nanoparticles with zinc-iron alloys</i> Surface & Coatings Technology 2009 , 203 (10-11)1488-1493 (FI 0,984) http://www.sciencedirect.com/science/article/pii/S0257897208010566
(25 + 20 x 0,075 /4) = 6.625	Iticescu C., Mitoseriu O., Cârâc G. , Lampke Th. <i>Electrochemical deposition of composite coatings in copper matrix with TiO₂ nanoparticles</i> Revue Roumaine de Chimie , 2008 , 53(1) 43–47 (FI 0,075) http://revroum.lew.ro/wp-content/uploads/2008/RRCh_1_2008/Art%2006.pdf
(25 + 20 x 0,075/5) = 5,30	Cârâc, G. , Iticescu C., Benea, L., Lampke, Th., Steinhauser S. <i>The effect of nano-Al₂O₃ dispersed phase in nickel matrix electrocodeposited</i> Revue Roumaine de Chimie , 2007 , 52 (11) 1057–1062 (FI 0,075) http://revroum.getion.ro/wpcontent/uploads/2007/RRCh_11_2007/Art%2007.pdf
(25 + 20 x 0,984 /3) = 14,893	Cârâc G. , Bund, A., Thiemig D. <i>Electrocodeposition and characterization of cobalt lanthanide oxides composite coatings</i> Surface & Coatings Technology , 2007 , 202 (2) 403-411 (FI 0,984) http://www.sciencedirect.com/science/article/pii/S0257897207006202
(25 + 20 x 0,248/ 3) = 9,986	Gheorghies, C., Cârâc, G. , Stasi I.V <i>Preparation and Structural Characterisation of Nickel/Alumina nano-Particles Composite Coatings</i> Journal of Optoelectronics and Advanced Materials , 2006 , 8 (3) 1234-1237 (FI 0,248) http://joam.inoe.ro/arhiva/pdf8_3/3Gheorghies.pdf
(25 + 20 x 0,676/ 6) = 6,42	Cârâc, G. , Benea, L., Iticescu, C., Lampke, Th.; Steinhauser, S.; Wielage, B. <i>Codeposition of Cerium Oxide with Nickel and Cobalt Correlation between Microstructure and Microhardness</i> Surface Engineering , 2005 , 20 (5) S. 353-359 (FI 0,676) DOI: http://dx.doi.org/10.1179/026708404X1134; http://www.sciencedirect.com/science/article/pii/S0257897207006202.
(25 + 20 x 0,258/ 3) = 9,986	Mitoseriu O., Iticescu C., Cârâc G. <i>Study on the electrodeposition of Cu/CeO₂ composite coating of acid electrolytes</i> <i>Studiul depunerii electrochimice a acoperirii composite Cu/CeO₂ din electroliți acizi,</i> Revista de Chimie , București, ISSN 0034-7752, 2004 , 55(7) 525-529 (FI 0,258) Romania, Chem. Abs.: RCBUAU 55 (7) (473-572), 2004, July., Factor de impact: 0.278.CODEN: RCBUAU ISSN: 0034-7752. Journal written in

			20 / 2 = 10	Romanian. CAN 142:206466 AN 2004:698419 CAPLUS (Copyright 2005 ACS on SciFinder (R)) Georgescu L.P; Cârâc G. <i>A study on the interdependence between human activities and soil quality on the nearby zone of the Danube River</i> Conf. 2 nd Inter. Conference on Strategies and Techniques for the Investigation and Monitoring of Contaminated Sites Location: Karlsruhe, Germany Date: May 14-16, 2001 , Edited by: Breh, W; Gottlieb, J; Hotzl, H; et al., Field Screening Europe 2001 , p. 21-26, Published: 2002 http://link.springer.com/chapter/10.1007%2F978-94-010-0564-7_4		
			20 / 8 = 2,5	Mitoseriu, O. Drugescu, E., Benea, L., Levcovici, S., Potecasu, F., Constantinescu, S., Carac, G. , Mitoseriu, L.. <i>Composite coatings obtained by codeposition during copper, cobalt and iron electroplating</i> Surface Modification Technologies XI, pages: 417-422 11 th International Conference on Surface Modification Technologies, Paris, France, SEP 08-10,1997 http://apps.weobkknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=1&SID=X2kDaGP83po8nB6qKcF&page=4&doc=31		
2.2 Articole in reviste si volumele unor manifestari stiintifice indexate in alte baze de date internationale *	Minim 5 pentru profesor / CSI	20 / 5 = 4	Patrice S., Grigoras C., Barbu V., Dinică R.M., Cârâc G. <i>Antioxidative activity and stability of the extracts of liquorice root (Glycyrrhiza Glabra)</i> The Annals of the University Dunarea de Jos of Galati, Fascicle VI – Food Technology, 2015, 39 (2)	19 articole BDI	Cri minim sectiu este in	
		20 / 3 = 6,66	Apetrei R.M., Cârâc G. , Bahrim G.E. <i>Bioproduction and Relevance of Conducting Polymers: Polypyrrole.</i> Innovative Romanian Food Biotechnology, 2015, 17 (11), 1-24 http://www.bioaliment.ugal.ro/revista/17/paper%2017.1.pdf			
		20 / 5 = 4	Cârâc A., Moroşan E., Ioniţă A.C., Boscencu R., Cârâc G. <i>Efficacy of Combined CHAp and Lanthanum Carbonate in Therapy for Hyperphosphatemia</i> Journal of medical, Health, Biomedical and Pharmaceutical Engineering, 2015, 9 (2) 2008-2011 http://waset.org/Publications/efficacy-of-combined-chap-and-lanthanum-carbonate-in-therapy-for-hyperphosphatemia/10001239			
		20 / 7 = 2,86	Gheorghies C., Rusu D.E., Ispas A., Bund A., Cârâc G. , Condurache-Bota S., Georgescu L.P. <i>Erratum to: Synthesis and characterization of nickel–diamond nanocomposite layers</i> Applied Nanoscience November 2014 , 4 (8) 1021-1033 http://link.springer.com/article/10.1007%2Fs13204-014-0332-3 , November 2014, Vol. 4, Issue 8, p 1035			
		20/4 = 5,0	Bruma M., Stoica M., Cârâc G. , Alexe P. <i>AISI 430 stainless steel behaviour at different disinfectants</i> Romanian Journal of Food Science, 2010, 1(1) 39-44 http://www.asiar.ro/ruubikcms/useruploads/files/ro-ifs-2011-01-no1-05-bruma-stainless-steel.pdf			
		20/5 = 4,0	Stoica, M., Cârâc G. , Tofan C., Constantin O.E., Enache G. <i>Effect of fungal suspensions in NaDCC disinfectant on the corrosion behaviour AISI 304 stainless steel</i> J. of Agroalimentary Processes and Technologies, 2009, 15 (4) 543-546. Ed. Agroprint, ISSN 1453-1399. BDI Index: IFIS – International Food Information Service (www. Foodsciencecentral.com) ; CAS – Chemical Abstracts Service (www.cas.org) ; CAS ref: 163659 ; CABI – Publishing Website Serials Cited Submission (www.cabi.org)			
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		10/5 =	Ionescu A., Zara M., Aprodu I., Vasile A., Cârâc G. ,			

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10/ 5 = 2,5	<p>Cosor (Rusu) D. E., Ispas A., Bund A., Cârâc G., Gheorghies C. <i>A study on Ni electrodeposited from a Watts bath</i> The Annals of the "Dunarea de Jos" University of Galati, Fascicle II - Mathematics, Physics, Chemistry, Informatics (CD-ROM)YEAR III (XXXII) 2009, Proc. 1st Intern. Symp. on Applied Physics – Materials Science, Environment and Health (ISAP1), Galati, Nov.28th-29th, 2009, 371-375. ISSN 2066-712 http://www.bursedoctorale.ro/public/documente/articole/13451890650_articol%20+%20cuprins%20galati%203.PDF</p>
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10/3 = 3,33	<p>Iticescu, C., Mitoşeriu, O., Cârâc, G. <i>Preparation and Investigation of Cu-CeO₂ Composite Coatings by electroless plating</i> The Annals of „Dunarea de Jos”, University of Galati, Fascicula IX, <i>Metaturgie și Știința Materialelor</i>, 2003, 21(1) 5-9. CODEN: AUDJAE ISSN: 1453-083X. Journal written in English. CAN 141:160610 AN 2004:155896 CAPLUS (Copyright 2005 ACS on SciFinder (R))</p>

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2.3 Brevete de inventie		2.3.1 internationale	-	-			
		2.3.2 nationale	25/9= 3,88	Brevet de inventie Security paper and methods, for its obtaining. Brevet No.: 126417(a200901013/2010) accorded from 03.12.2009 for 20 years, in MO 2013, Partners Ceprohart S.A Brăila & University "Dunarea de Jos" Galati (UDJG); (9 autori)Authors from UDJG: Stanciu C., Cârâc G. , Dinică R. M.	<i>Co-autor la un brevet de național</i>		
2.4 Granturi/proiecte castigate prin competitie	2.4.1 Director/ responsabil - Minim 3 pentru Profesor / CS I dintre care cel puțin unul ca director	2.4.1.1 internationale	20x2= 40	2002-2004, Director proiect Cârâc G. în COPBIL <i>Electrochemical and chemical investigations of the co-deposition of small particles (SiC, CeO₂, Al₂O₃, nanodiamonds) with copper, nickel, cobalt, zinc and gold matrices.</i> Addendum to the Protocol on Romanian-German Co-operation in Education and Research. Proiect de colaborare bilaterală între Universitatea <i>Dunărea de Jos</i> Galați, Chemnitz University of Technology (Institute of Composite Materials and Surface Technology) și Dresden University of Technology, (Institute of Physical Chemistry and Electrochemistry), Project ROM 01/014, beneficiar MEC.	<i>Director de 1 proiect internațional; 2 proiecte - granturi internaționale; Responsabil la 1 proiect internațional</i>	Cri minim secțiun este în	
			20x3= 60	2006-2009, Coordonator al WG2, Cârâc G. în COST D33 , Chemistry (2004-2009): <i>Nanoscale Electrochemical and Bio-Processes at Solid-Aqueous Interfaces of Industrial Materials</i> , http://www.cost.esf.org/index.php?id=341			
			20x0,12= 1,66	2008, Grant individual STSM (Short Term Scientific Mission) Cârâc G. COST-ONLINE_STSM-D33-2446, (February 18-22, 2008), Host's Name and Institution: Arunas Ramanavicius, Vilnius University, Lithuania în COST D33 Chemistry - <i>Nanoscale Electrochemical and Bio-Processes at Solid-Aqueous Interfaces of Industrial Materials</i> ,			
			20x0,12= 1,66	2004, Grant individual STSM (Short Term Scientific Mission) Cârâc G. la Universitatea din Trento-Italia, (20 iulie-19 august, 2004) în subproiectul <i>Nanostructured composite coatings obtained by electrodeposition-processing and properties characterization</i> , în COST D-19 (2002-2006), <i>Chemical functionality specific to the nanometer scale.</i>			
		2.4.1.2. nationale	10x1 = 10	2009, Director de proiect Cârâc G în CNCISIS – PNII-ID2290 (UDJG-coordonator) <i>Obținerea de nanofire de nichel electrodeuse în structuri nanoporoase de nanocelule anodizate de oxid de aluminiu</i>			<i>Director de 2 proiecte naționale; Responsabil de 11 proiecte naționale aplicative cu mediu economic</i>
			10x1 = 10	2001, Director de proiect Cârâc G in Programul național ORIZONT 2000 , <i>Criterii microbiologice pentru hârtiile și cartoanele destinate industriei alimentare</i> . Temă subsidiară: <i>Criterii de securizare fitosanitare</i>			
			10x1 = 10	2008, Responsabil G. Cârâc , contract nr. 519/22.01.2008 C. MIORITA COM S.R.L. Brăila, Probe de sol ecologizat ale unor obiective industriale			
			10x1 = 10	2006, Responsabil G. Cârâc pentru comanda ferma cu S.C. PROMEX S.A. Brăila (W 56/02.03.2006, W 109/11.04.2006) S.C. CRISAD TR S.R.L. Sibiu (01.06.2006), Societatea ELARS S.A. Rm. Sărat (907/01.03.2006)			
			10x1 = 10	2005, Responsabil G. Cârâc pentru Contractul, <i>Analize fizico-chimice de la lucrarea de dezinvestire atelier cromare segmenti, de la S.C. Automobile Dacia Pitesti</i> , cu S.C. Setcar S.A. Brăila, nr. 449 .			
			10x1 = 10	2005, Responsabil G. Cârâc pentru Contractul, <i>Analize chimice pentru probe de ape reziduale de la neutralizarea reactivilor chimici</i> , S.C. Setcar S.A. Braila, nr. 428 .			
10x1 = 10	2004, Responsabil G. Cârâc pentru Contractul, <i>Analize apelor reziduale, la tratarea reactivilor chimici de la S.C. VINALCOOL S.A. Brăila</i> , cu S.C. SETCAR S.A. Brăila, nr. 359 , Act additional						

				nr.1/9.11.2004.	
			10x1 = 10	2004, Responsabil: G. Cârâc pentru contractul, <i>Denocivizarea soluțiilor din baile galvanice de la sectia de Acoperiri Metalice</i> , cu S.C: MENAROM S.A. Galati, nr. 341.	
			10x1 = 10	2004, Responsabil G. Cârâc pentru Contractul, <i>Analize chimice la băi galvanice provenite de la firmele MENAROM și SPIACT din Galați și AKER din Brăila</i> , cu S.C. Setcar S.A. Brăila, nr. 354.	
			10x1 = 10	2004, Responsabil G. Cârâc pentru comandă ferma, <i>Analize fizico-chimice pentru probe prelevate de la Șantierul Naval Brăila</i> . S.C. AKER S.A. Brăila . nr. 231.	
			10x1 = 10	2002-2003, Responsabil G. Cârâc pentru contractul <i>Analize la funcționarea instalației de neutralizare a băilor de coagulare de la fabricile Celofibră și Cord</i> , cu S.C. DUNACOR S.A. Brăila (societate în lichidare), nr. 308.	
			10x1 = 10	2002, Responsabil G. Cârâc pentru contractul <i>Analize la degazarea rezervoarelor și cisternelor de sulfura de carbon</i> , cu S.C. DUNACOR S.A. Brăila (societate în lichidare), nr. 307.	
			10x1 = 10	2001, Responsabil G. Cârâc pentru Contractul <i>Analize fizico-chimice la soluții cu compoziție chimică diversă</i> , cu S.C. DUNACOR S.A. Brăila (societate în lichidare), nr. 302.	
	2.4.2 Membru in echipa	2.4.2.1 internationale	4 x0,083 = 0,33	2005, Grant individual Cârâc G. în proiectul Sonderforschungsbereich 609, <i>Elektromagnetische Strömungsbeeinflussung in Metallurgie, Kristallzüchtung und Elektrochemie (Electromagnetic influence on convection in metallurgy, crystal growth and electrochemistry)</i> ; Dresden University of Technology, Institute of Physical Chemistry and Electrochemistry; August 2005, finanțare- beneficiar DFG.	<u>membru în 7 proiecte internationale</u>
			4x1=4	Membru în Management Commitet (MC- Cârâc G.) în COST MPI407 (2015-2019): <i>Electrochemical processing methodologies and corrosion protection for device and systems miniaturization.</i>	
			4x3 = 12	Coordonator pentru WG2 Cârâc G. în COST D33 (2006-2009): <i>Chemistry/Electrochemical and Bio-processes (Corrosion) at Solid-aqueous Interfaces of Industrial Materials.</i>	
			4x4 =16	Membru în Management Commitet Cârâc G. în COST D-19 (2002-2006): <i>Chemical functionality specific to the nanometer scale</i>	
			4x3 =12	Membru în Management Commitet Cârâc G. în COST 533 (2006-2009): <i>Materials for Improved Wear Resistance of Total Artificial Joints.</i> http://www.cost.esf.org/index.php?id=365	
			4x1 =4	Membru în Management Commitet Cârâc G. în COST 520 (2002): <i>Biofouling and Materials</i>	
			4x2 =8	Membru în Management Commitet Cârâc G. în COST 521 (2001-2002): <i>Materials Action Corrosion of Steel in Reinforced Concrete Structures</i>	
		2.4.2.2. nationale	2x1 =2	Membru -Contract POSDRU/89/1.5/S/52432. <i>Organizarea scolii postdoctorale de interes national biotehnologii aplicate cu impact in bioeconomia romaneasca</i>	<u>membru în 13 proiecte naționale</u>
			2x1 = 2	2004, Responsabil de contract Cârâc G. în programul CERES , proiectul <i>Cinetica proceselor chimice catalizate heterogen in medii de lichide supercritice</i> , ICSI- Rm.Valcea; subcontract nr. 354/2004.	
			2x1 = 2	2004, Responsabil de contract Cârâc G. în programul CERES , proiectul <i>Procedeu de tratare a deseurilor organice mediu active (TBP-kerosen) la nivel de laborator</i> , ICSI- Rm.Valcea; subcontract nr. 352/2004	
			2x1 = 2	2004, Contract individual Cârâc G. în programul MENER- subprogram Mediu si Factori de Mediu, proiectul <i>Metode de determinare a PCDD, PCDF si bifenililor policlorurati</i> , ICSI-Rm Vâlcea, subcontract individual nr. 1/ 2001 (conv.38/4.09.2002)	
			2x4 =8	2011-2014 , PN-II-ID-PCE-2011-3-0226: „ <i>Access to new bioactive molecules by development of original biocatalysts for reactions like click-chemistry</i> ”;	
			2x4 =8	2007-2010 : Research Grant, CNMP Nr. 71 -126/62D7/18.09.2007, FILFLOSEC , <i>Sistem integrat de securizare a marcajelor și a documentelor de valoare, realizat în procesul de obținere și de tipărire a hârtiei suport</i> , UDJ Partner 1	

				2x3 =6	2006-2008, în Proiect CEEX – modul I , „Compozitele fibroase celulozice microfiltrante performante sunt o soluție eficientă pentru siguranța alimentară”, acronim FILTRAL , ANCS (AGRAL), UDJG-partener, contract nr. 63/2 , 18136/13.092006.
				2x3 =6	2006-2008, în Proiect CEEX- modul IV : „Centru regional de cercetare și monitorizare a calității mediului”, UDJG-coordonator, nr, inregistrare: 479/14.07.2006 .
				2x2 =4	2006-2007, în Proiect CEEX – modul III , <i>Oportunitati europene pentru cercetarea nationala activa in domeniul nanotehnologiilor: Conferinta si workshop pentru promovarea transferului tehnologic</i> , acronim EON-CW ; parteneri: Institutului National de Cercetare si Dezvoltare in Microtehnologii Bucuresti, UDJG -partener, ANCS (CORINT), nr. 12737/2006 .
				2x2 =4	2005-2006, în Grant CNCSIS tip A ; <i>Straturi compozite nanostructurate obtinute electrochimic, destinate protectiei suprafetelor functionale in sisteme tribocorozive</i> , Universitatea UDJ Galati, nr. 1347 .
				2x2 =4	2004-2006, în Grant CNCSIS tip A <i>Sisteme naturale ecologice pentru inhibarea degradarii produselor agricole</i> , Universitatea UDJ Galati; nr. 442/2004 .
				2x3 =6	2004-2006, în Subprogram «5» INDAL, categoria «PED» , Program AGRAL, tema: <i>Caracterizarea calității sturionilor de cultură</i> , Institutul de Cercetare-Dezvoltare pentru Ecologia Acvatică, Pescuit și Acvacultură, Galati, încheiat cu Universitatea UDJ Galati, contract nr. 353/2004-2006 .
				2x2 =4	2004-2005, în Grant tip A, CNCSIS, <i>Monitorizarea nitraților si nitraților reziduali din dierite preparate de carne. după fabricație și în timpul depozitării</i> , 446/2004, tema Nr.6 (nr. 33334)
Recunoasterea si impactul activitatii (A3)	3.1.Citări in reviste ISI si BDI	Se exclud autocitarile; lucrari citate: articol de revista, conferinta, carte, teza, brevet inventie	3.1.1 ISI	Anexa B pentru Anexa nr. 3 la Regulamentul privind obținerea atestatului de abilitare în Universitatea „Dunărea de Jos” din Galați (IOSUD-UDJG)	
				10/6x23= 38,33	<i>Codeposition of Cerium Oxide with Nickel and Cobalt Correlation between Microstructure and Microhardness</i> Cârâc, G., Benea, L., Iticescu, C., Lampke, Th., Steinhauser, S., Wielage, B. (2005) Surface Engineering , 2005, 20 (5) S. 353-359 (FI 0,676)
				5/3 x 18= 30	<i>Preparation and Structural Characterisation of Nickel/Alumina nano-Particles Composite Coatings</i> Gheorghies, C., Cârâc, G, Stasi I.V (2006) Journal of Optoelectronics and Advanced Materials , 8 (3), 1234-1237 (FI 0,248)
				10/3 x 17= 56,66	<i>Electrocodeposition and characterization of cobalt lanthanide oxides composite coatings</i> Cârâc G., Bund, A., Thiemig D. (2007) Surface & Coatings Technology , 202 (2), 403-411 (FI 0,984)
				15/7 x 13 = 27,85	<i>Visualization of red-ox proteins on the gold surface using enzymatic polypyrrole formation,</i> Ramanaviciene A., Minkstimiene A, K., Oztekin Y., Cârâc G., Voronic J.,German N.,Ramanavicius A. (2011) Microchimica Acta , 175:79-86. DOI 10.1007/s00604-011-0645-9. (FI 1,277)
				10/3 x7= 23,33	<i>Electrocodeposition of hydroxyapatite nanoparticles with zinc-iron alloys</i> Thiemig D., Cantaragiu A.M., Schachschal S., Bund, A., Pich A., Cârâc G., Gheorghies C2009. (2009) Surface &Coatings Technology 203 (10-11)1488-1493 (FI 0,984)
				5/3 x6= 10	<i>Study on the electrodeposition of Cu/CeO₂ composite coating of acid electrolytes</i> <i>Studiul depunerii electrochimice a acoperirii composite Cu/CeO₂ din electroliți acizi,</i> Mitoseriu O., Iticescu C., Cârâc G. (2004) Revista de Chimie , Bucuresti, ISSN 0034-7752, 55(7) 525-529 (FI 0258)
				5/4 x5 = 6,25	<i>Electrochemical deposition of composite coatings in copper matrix with TiO₂ nanoparticles</i> Iticescu C., Cârâc G., Mitoseriu O., Lampkt T. (2008) Revue Roumaine de Chimie 53 (1) 43-47

10/3 x 7= 23,33	<i>Electrochemical study of AISI 304 stainless steel during the exposure at the disinfectant solutions with fungal suspensions</i> Stoica M., Brumă M., Cârâc G. (2010) Materials and Corrosion 61 (12) 1017-1025
5/5 x8 = 8	<i>Study of Ni-TiO₂ nanocomposite coating prepared by electrochemical deposition</i> D.E Rusu, P Cojocaru, L Magagnin, C Gheorghies, G Cârâc (2010) Journal of optoelectronics and advanced materials 12 (12) 2419-2422
5/4 x1 = 1,25	<i>Electrochemical study of stainless steel surfaces in biodegradable biocides</i> Stoica M., Cârâc G. , Apetrei C., Cantaragiu A.M. (2010) Journal of Optoelectronics and Advanced Materials 12 (4) 919-922
5/6 x3= 2,5	<i>Electrodeposition of Ni/Co and Ni Magnetic Nanowires Using Alumina Template</i> P Cojocaru, F Muscolino, L Magagnin, M Vázquez, G Badini-Confaloni, ... (2010) ECS Transactions 25 (27), 147-153
10/5 x8 = 16	<i>Corrosion tests of nickel coatings prepared from a Watts-type bath</i> D.E. Rusu, A Ispas, A Bund, C Gheorghies, G Cârâc (2010) Journal of Coatings Technology and Research 9 (1) 87-95
5/5 x2= 2	<i>Microstructure and corrosion resistance for the electrodeposited nickel from watts-type baths</i> D.E. Rusu, A Ispas, A Bund, C Gheorghies, G Carac (2010) Journal of Optoelectronics and Advanced Materials 12 (6) 1372-1377
5/8 x2= 1,25	<i>Composite Coatings Obtained by Sedimentation Codeposition During Copper, Cobalt and Iron Electroplating</i> O Mitoseriu, E Drugescu, L Benea, S Levcovicu, F Potecasu, G Cârâc , L. Mitoseriu (1998) Surface Modification Technologies XI , Book-Institute of Materials 691, 417-422, pag: 417-422
5/4 x1= 1,25	<i>Electrochemical study of stainless steel characteristic modification on correlative effect of fungal cell suspension and ActiSEPT used as biocide for equipment disinfection in bioprocessing of food</i> M Stoica, G Bahrim, R Dinica, G Cârâc (2012) Journal of Optoelectronics and Advanced Materials , 14 (3-4) 317-322
5/5 x1 = 1,0	<i>Electrochemical study of stainless steel surfaces in biodegradable biocides</i> Stoica, M., Cârâc, G., Apetrei, C., Cantaragiu, A.-M. (2010) Journal of Optoelectronics and Advanced Materials , 12 (4) 919-922 (FI 0,248)
5/8 x3= 1,875	<i>Corrosion study of stainless steel incubated in solutions consisting of biocide (Oxonia-Active®) and Aspergillus niger suspension</i> M Stoica, L Mikoliūnaitė, A Ramanavičienė, P Alexe, G Cârâc , R Dinica, (2012) Chemija , 180-186
5/5 x2= 2,0	<i>Microstructure and corrosion resistance for the electrodeposited nickel from watts-type baths</i> DE Rusu, A Ispas, A Bund, C Gheorghies, G Carac (2010) Journal of Optoelectronics and Advanced Materials 2010, 12 (6), 1372-1377
5/5 x1= 1,0	<i>Electrodeposition of Ni/Cu multilayers nanowires using alumina template</i> P Cojocaru, A Leserri, L Magagnin, M Vázquez, G Cârâc (2009) ECS Transactions , 33 (34), 43-49
10/2 x2 = 10	<i>Effect of nano-Al₂O₃ particles and of the Co concentration on the corrosion behavior of electrodeposited Ni-Co alloys</i> G Cârâc , A Ispas (2012) Journal of Solid State Electrochemistry , 16 (11), 3457-3465
5/11 x 3= 1,36	<i>Atomic Force Microscopy Study of Living Baker's Yeast Cells</i> L Mikoliūnaite, A Makaraviciute, A Suchodolskis, A Ramanaviciene, ... (2011) Advanced Science Letters , 4 (2), 368-376

				5/5 x1/3= 1,0	<i>Electrocodeposition of Ag/TiO₂ nanocomposite coatings in cyanide free electrolytes</i> AM Cantaragiu, P Cojocaru, G Cârâc , C. Gheorghies, L. Magagnin (2011) Transactions of the IMF 2011 , 89 (1), 39-43
				5/3 x1= 1,66	<i>Electrochemical study of AISI 316L Stainless Steel in different nanoparticle suspensions</i> AM Cantaragiu, G Cârâc , C Gheorghies (2010) Journal of Optoelectronics and Advanced Materials 2010 , 12 (12), 2391-2399
				5/5x1= 1	<i>The effect of nano-Al₂O₃ dispersed phase in nickel matrix electrocodeposited</i> G Cârâc , C Iticescu, L Benea, T Lampke, S Steinhauser (2007) Revue Roumaine de Chimie , 52 (11), 1057-1062
			3.1.2. BDI	3/2 x6= 9	<i>Obtaining of composite coatings by metal electrodeposition using disperse particles</i> L. Benea, G. Cârâc Cercetari Metalurgice si de noi Materiale (Romania) 1997 , 5 (2), 20-40
				3/3x4= 4	<i>Factors that Influence the Electric Field Effects on Fungal Cells</i> M. Stoica, G. Bahrim, G. Cârâc Science against microbial pathogens: communicating current research A.Méndez-Vilas (Ed.), Publisher: Formatex Research Center, vol.2, 2012 , pag. 291-302, ISBN (13): 978-84-939843-1-1 www.formatex.org/microbiology3/chapters1.html
				3/4 x2 = 1,5	<i>Electrochemical Behaviour of AISI 304 Stainless Steel Immersed in Mixtures Consisting by Biocide and Fungal Suspensions</i> M. Stoica, G. Cârâc , P. Alexe, R. Dinica Intech Open Access Publisher 2012 , The Food Industry / Book 2, 2012, pag. 97-118, Ed: In-Tech, Croatia
				3/4 x1 = 0,75	<i>AISI 430 stainless steel behaviour at different disinfectants</i> M. Brumă, M Stoica, G Cârâc , P. Alexe Romanian Journal of Food Science 2010 , 1 (1), 39-44
	3.2. Prezantari invitate in plenul unor manifestari stiintifice nationale si internationale si Profesor invitat (exclusiv ERASMUS)	3.2.1. internationale		20	.Invited lecture G. Carac: "Synthesis of Nanomaterials" in international Nanotechnology School on "Nanostructured materials for biosensors and medicine", 2008, February 18-22, Vilnius, Lithuania.
				20	Cârâc, G. , Bund, A., Lampke, Th., Plieth, W. <i>From Micro to Nano Composite Coatings Obtained by Electrodeposition and Electroless Nanocoatings Conference 2010</i> , March29-31, Dresden, Germania
		3.2.2. nationale		10	Cârâc, G.(plenary) <i>Present and Perspectives in the Evolution of Surface Chemistry</i> The IX th Symposium with International participation of Surfaces and Colloids Chemistry, „Dunarea de Jos” University Galati, May 28-30, 2008
		3.2.2. profesor invitat		15	Profesor invitat Cârâc, G. <i>Coatings -leader in the advancement of composite</i> Technical University Chemnitz- Germania, Septembrie 2008
				15	Profesor invitat Cârâc, G. <i>Structural aspects of attached cells on stainless steel 304 and Ni/ Nano- Al₂O₃,</i> Technical University of Dresden, Germania, 28 August, 2008
				15	Profesor invitat Cârâc, G <i>Interfacial effects of surface active additives on the electrodeposition of nickel dispersion coatings</i> University Dresden - Germany, 8 August 2007
				15	Profesor invitat Cârâc, G. <i>Electroless and Electrochemical Aspects in Metal Deposition</i> Technical University Dresden - Germania, 20 Mai. 2003
				2x15 =	Profesor invitat Cârâc, G.

				30	<i>Electrochemical Deposited Composite Coatings (part I); Electrochemical Preparation of Composite Coatings (part II)</i> Technical University Dresden- Germania, 5; 8 Mai, 2001				
				2x15 = 30	Profesor invitat Cârâc, G. <i>Application of Galvanic Coatings as a Wear Protection for Tools (part I and II)</i> Technical University Chemnitz- Germania, 4, 6 Decembrie, 2000				
3.3. Membru in colectivele de redactie sau comitetele stiintifice al revistelor si manifestarilor stiintifice, organizator de manifestari stiintifice/ recenzor pentru reviste si manifestari stiintifice nationale si international indexate ISI		3.3.1. ISI		210	<i>Recenzor pentru Articole ISI</i> 2008- 4 articole; 2009- 2 articole; 2010- 3 articole; 2011: 6 articole; 2012- 7 articole; 2013- 10 articole; 2014- 10 articole; 2015 - 5 articole				
				3.3.2. BDI		8	Membru in colectivul editorial BDI - <i>International Journal of Nano Corrosion Science and Engineering</i> , http://www.ijnscse.com/editorial%20board.html		
						63	<i>Recenzor nr. Articole / jurnale BDI</i> 2009- 8 articole; 2010- 5 articole; 2011- 2 articole.; 2012- 1 articole; 2013- 2 bdi; 2014- 3 articole		
				3.3.3. nationale si internationale neindexate				5	G. Cârâc , COST D33, Core Group, Paris, 7 March, 2008 "Nanoscale Electrochemical and Bio-Processes (Corrosion) at Solid Aqueous Interfaces of Industrial Materials"
								5	G. Cârâc , Working Group 2, COST D33, 2 nd Workshop, OBERNAI (Bas-Rhin) – France, May 13 th 2008 – May 16 th 2008
								5	G. Cârâc COST D33, Management Committee
								5	G. Cârâc , COST 533, Management Committee
								5	G. Cârâc , COST D33-Chemistry, Final Workshop, Cluj Napoca, May 13 th - 15 th 2009
								5	G. Cârâc , comitet stiintific: The IX th Symposium "Colloids and Surfaces Chemistry", Galati, May 28-30, 2008
								5	G. Cârâc , comitet stiintific: The 10 th International Conference on <i>Colloids and Surfaces Chemistry</i> , June 9 th -11 th 2011, Galati, Romania
								5	G. Cârâc , COST D33-Chemistry; Core Group Meeting, Cluj Napoca, Ianuarie 7, 2009
								5	G. Cârâc , COST D33-Chemistry, The 4 th Meeting of Working Group WG2, Lithuania, Martie, 2009
								5	G. Cârâc , COST D33-Chemistry, Management Committee, Cluj Napoca May 14 th 2009
								5	G. Cârâc , COST 533- Materials, Management Committee, May 28 th , Guimares, Portugalia, 2009
								10	G. Cârâc , Comitet stiintific în COST D33, <i>Core Group</i> , Cluj Napoca, 7 Ianuarie 2009, "Nanoscale Electrochemical and Bio-Processes (Corrosion) at Solid Aqueous Interfaces of Industrial Materials, Final Workshop
								10	COST D33, coordonator al WG2; 4 th Meeting Vilnius, Lithuania, Martie 25, 2009, http://www.cost.esf.org/ .
								10	3. COST D33, coordonator al WG2 si MC, Final Workshop Cluj Napoca, 13-15 Mai 2009
								5	COST 533- Membru in comitetul de management (MC) Portugalia, Mai 25-28, 2009
								10	comitet stiintific The 8 th International Symposium on Advanced Technologies for the Pulp and Paper Industry, Braila, September, 15 th -18 th 2015
								10	co-chairman Third Regional Symposium on Electrochemistry: South-East Europe, (RSE-SEE), 13-17 Mai 2012, Bucharest-Romania, www.rse-see3.upb.ro/
10	co-chairman Working Session II, The 6 th International Symposium on Advanced Technologies for the Pulp and Paper Industry, Braila, September, 6 th -9 th 2011								
10	chairman Section 4: Functionally Modified Surfaces, The X th International Conference on Colloids and Surfaces Chemistry, Galati, June 9 th -11 th 2011 \								
10	chairman la Nanocoatings 2010 - 2 nd International Conference on Functional Nanocoatings, la								

					sectiunea "Composite" http://www.nanocoatings2010.de/default.asp?node=1
				10	comitet de organizare: Al IX th Simpozion de Chimia Coloizilor si Suprafetelor, Galati, Mai 29-30 2008
				2x10= 20	1 teză Germania (invitație 2015) 8 teze India (2002-2015), 1 referent extern 1 teza doctorat Spania (2009)
				13x2=26	Referent teze doctorat în Romania: 2015-2 teze; 2014-2 teze; 2013-2 teze; 2012-1 teză; 2011-4 teze; 2008-2 teze.
3.4. Experienta de management, analiza si evaluare in cercetare si/ sau invatamant			3.4.1. conducere	4x3 = 12	Director Tehnic (2007-2010) în Centrul de Competențe Interfețe - Tribocoroziune și Sisteme Electrochimice (Decizia Senatului nr. 608/20.03.2007), Laboratorul de electrochimie aplicată la sisteme nanostructurate.
			3.4.2. membru	2x6 =12	Membru în Consiliul Profesorat, Facultatea de Științe (2003-2009)
					Responsabil in Centrul European de Excelenta in Probleme de Mediu (2005-2007)
				2x12=24	Membru în Centrul European de Excelență în Probleme de Mediu (2002-2014)
				2x12 = 24	Expert Evaluator European in R D – General Expert EU (EX2002B015093), Directorate general for Research & Innovation Research Directorate –Generale, Directorate g- Industrial Technologies, Research Executive Agency, Unit A1, COV2 13/170, B-1049 Brussels/Belgium, darvlrousselet@ec.europa.eu
				2x2 =4	 EVAL-INCO – Evaluators <small>database</small> for International Cooperation Expert inregistrat in database EVAL-INCO 2.0. Projekträger im Deutschen Zentrum für Luft- und Raumfahrt Europäische und Internationale Zusammenarbeit German Aerospace Center, Project Management Agency European and International Cooperation Heinrich-Konen-Str. 153227 Bonn, Germany, eval-inco@dlr.de
				2x6 = 12	Expert INTAS, cod identificare 5370
				2x1 =2	Evaluator for AgroFood in SEE-ERA.NET
				2x4 = 8	Expert evaluator CNCSIS
				2x2 =4	Expert Național în baza de date: http://www.mct-excelenta.ro/fileadmin/mct/Expertii_2006/BAZA_EXPERTI_CEEEX_2005_literele_A_C.html
				2x6 =12	Expert Evaluator CEEEX , PNCDI, PN II Capacitati, Parteneriate, CEEEX
				2x2= 4	Expert ARACIS (mentionat)

ii optionale

3.5. Premii		3.5.1. Academia Romana	-	-
		3.5.2. ASAS, ASOR, academii de armura si CNCSIS	-	-
		3.5.3. premii internaționale	-	-
		3.5.4. premii nationale în domeniu	5	Premiul I , cu colectivul Proiectului PNII, Contract 71-126/2007 Salonului Regional al Cercetării, ed. a III-a, Galati, 6-8 mai, 2010 AGIR Romania
			5	Premiul Agir 2009 , la sectiunea <i>Inginerie Chimica</i> , cu colectivul Proiectului PNII Contract 71-126/2007 – oferit în noiembrie 2010
			5	medalia de aur Galați hârtie securizată) la UGAL-Invent, Galați Octombrie 8-10, 2014
3.6.. Membru in academii,	3,6,1, Academia	-	-	-

	organizatii, asociatii, profesionale de prestigiu, nationale si international, apartenenta la organizatii din domeniul educatiei si cercetarii	Romana			
		3.6.2.ASAS, ASOR si academii de ramura	-		-
		3.6.3. conducere asociatii profesionale	-	-	-
		3.6.4. Asociatii profesionale	3.6.4.1 internationale	5	Societatea Internationala de Electrochimie, ISI (2000-2013)
			3.6.4.2, nationale	3	Societatea de Chimie(2005-prezent)

Anexa B pentru **Anexa nr. 3** la *Regulamentul privind obținerea atestatului de abilitare în Universitatea „Dunărea de Jos” din Galați (IOSUD-UDJG)*

<p><i>Codeposition of Cerium Oxide with Nickel and Cobalt Correlation between Microstructure and Microhardness</i> Cârâc, G., Benea, L., Iticescu, C., Lampke, Th.; Steinhauser, S.; Wielage, B (2004) Surface Engineering, vol. 20, No. 5, S. p. 353-359, ISSN 0267-0844 http://www.ingentaconnect.com/content/maney/se/2004/0000020/0000005/art00006</p>	
1	<p>M. Adam Khan Electrochemical polarisation studies on plasma-sprayed nickel-based superalloy Applied Physics A, 2015, vol. 120, Issue 2, pp 801-808 http://link.springer.com/article/10.1007/s00339-015-9291-0</p>
2	<p>Samira Salehi, Masoud Delgosha, Soheil SHARIFI Influence of pH on the electrochemical deposition of composite coatings in copper matrix with TiO₂ nanoparticles Optics, 2014, vol. (3), No (1), pp. 1-4 http://profdoc.um.ac.ir/paper-abstract-1040440.html <small>scholar.google.ro/scholar?url=http%3A%2F%2Fprofdoc.um.ac.ir%2Fpaper-abstract-1040440.html&hl=ro&sa=T&ct=res&cd=20&ei=jefV7X7Eo3qAGMoDIDg&scisq=AAgBfmIlgB3VhXwwHKLIDUbuY99gGop2A&nossl=1&ws=1280x848</small></p>
3	<p>N.S Qu, W.H. Qian , X.Y. Hu, Z.W. Zhu Fabrication of Ni-CeO₂ Nanocomposite Coatings Synthesised via a Modified Sediment Co-Deposition Process Int. J. Electrochem. Sci., 8 (2013) 11564 – 11577 http://www.electrochemsci.org/papers/vol8/80911564.pdf</p>
4	<p>N. S. Qu, Synthesis of Ni-CeO₂ Nanocomposite Coatings by Electroforming Applied Mechanics and Materials, 2013, vol. 248, pp. 48-53 http://www.scientific.net/AMM.248.48</p>
5	<p>H Hasannejad; T Shahrabi* Economical deposition of Ni high cerium oxide nanocomposite coatings Surface Engineering, 2012, vol. 28, Issue 6, pp. 418-423 http://www.maneyonline.com/doi/abs/10.1179/1743294411Y.0000000086</p>
6	<p>Z Zheng, N Li, CQ Wang, DY Li, YM Zhu Ni-CeO₂ composite cathode material for hydrogen evolution reaction in alkaline electrolyte International Journal of Hydrogen Energy, 2012, vol. 37, Issue 19, pp 13921-13932 http://www.sciencedirect.com/science/article/pii/S0360319912017326</p>
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8	<p>Gabriele Salvago, Massimiliano Bestetti Metal Matrix Composites: Corrosion Wiley Encyclopedia of Composites, 2012, DOI: 10.1002/9781118097298.weoc140 http://onlinelibrary.wiley.com/doi/10.1002/9781118097298.weoc140/abstract?userIsAuthenticated=false&deniedAccessCustomisedMessage=</p>
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10	<p>Meenu Srivastava, A Srinivasan, V. K. William Grips Influence of Zirconia Incorporation on the Mechanical and Chemical Properties of Ni-Co Alloys American Journal of Materials Science, 2011; 1(2): 113-122, doi: 10.5923/j.materials.20110102.19 http://article.sapub.org/10.5923.j.materials.20110102.19.html</p>
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13	<p>Krishnaveni, K., Narayanan, T.S.N.S., Seshadri, S.K. Corrosion resistance of electrodeposited Ni-B and Ni-B-Si₃N₄ composite coatings Journal of Alloys and Compounds, 2009, 480 (2), pp. 765-770 http://www.sciencedirect.com/science/article/pii/S0925838809003041</p>

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BDI1	的位置：网站首页 > 《中文科技期刊数据库》 > 工程技术 > 材料科学 > 金属表面处理 > 摘要 Ni-P/纳米TiO ₂ 复合镀层的制备与性能 作文新天地：高中版》 2009 年 第3期 朱绍峰 吴玉程 黄新民 http://www.cqvip.com/qk/60047x/200903/1000639432.html
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BDI4	您的位置：网站首页 > 《中文科技期刊数据库》 > 工程技术 > 材料科学 > 金属表面处理 > 摘要 化学沉积Ni-Zn-P-TiO ₂ 纳米复合镀层及其性能研究, 2011 http://www.cqvip.com/qk/97128a/201101/36831540.html
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