

UNIVERSITATEA POLITEHNICA DIN BUCURESTI
FIȘA DE VERIFICARE A ÎNDEPLINIRII STANDARDELOR DE
PREZENTARE LA CONCURS [ABILITARE]

CANDIDAT: CSÁKI IOANA

Departamentul Ingineria și Managementul Obținerii Materialelor Metalice, Facultatea Știința și Ingineria Materialelor

Condiții	Îndeplinire condiții	
A. Doctor	Diploma de <i>Doctor</i> în domeniul <i>Știința și Ingineria Materialelor</i> nr. 338/10.02.2009	
B. Îndeplinirea standardelor minime naționale conform OMECTS nr. 6560/20.12.2012; MO, I, 890 și 890bis/27.12.2012	Standarde îndeplinite, conform Comisiei CNATDCU nr. 7. INGINERIA MATERIALELOR Anexată: Fișa de calcul și de susținere a îndeplinirii standardelor minime specifice domeniului, în acord cu realizările menționate:	
Condiții minimale [Punctaj]	Minim prevăzut	Realizat
A1. Activitatea didactică / profesională	40	60.17
A2. Activitatea de cercetare	300	668.64
A3. Recunoașterea și impactul activității	60	181.10
TOTAL (A)	400	909.91
Condiții minimale obligatorii pe subcategorii [Număr]	Minim prevăzut	Realizat
1.1. Cărți / capitole în cărți de specialitate	2, d.c. 1 prim autor	3 d.c. 1 prim autor
1.2.1. Manuale didactice / Monografii	1	1
1.2.2. Indrumare de laborator / aplicații	1	2
2.1. Articole în reviste cotate ISI Thomson Reuters și în volume indexate ISI proceedings, din care:	15	22
Articole în reviste cotate ISI Thomson Reuters	10	11
Articole în reviste cotate ISI Thomson Reuters cu FI de min.0,5	5	6
Articole în reviste cotate ISI Thomson Reuters ca autor principal indiferent de FI	5	8
2.2. Articole în reviste și în volumele unor manifestări științifice indexate în alte baze de date internaționale	5	28
2.4. Granturi câștigate prin competiție, din care	3	49
Director	1	1
Responsabil	0	2
C. Atestarea studiilor (diplome + Foi Matricole și a altor realizări profesionale)	Diplomă de Doctor , în domeniul <i>Știința și Ingineria Materialelor</i> nr. 338/10.02.2009	
	Diplomă de Studii Aprofundate , Specializarea <i>Materiale metalice neferoase cu destinație specială</i> nr. 301 din 8.11.2000, emisă de Universitatea POLITEHNICA din București	
	Diploma de Licență , în profilul <i>Știința Materialelor</i> nr. 3950/8.03.2000, emisă de Universitatea POLITEHNICA din București	
	Diploma de absolvire nr. 637/09.11.2001 a cursului "Managementul Proiectelor" organizat de AMCSIT POLITEHNICA.	
	Certificat de absolvire a Departamentului pentru Pregătirea Personalului Didactic nr. 305 din 26.04.2002 emis de U.P.B.	

Standarde minimale
profesor
Conf.dr.ing. Ioana
CSÁKI

1. Activitate didactica si profesionala (A1)

Categorii si restrictii	Indicatii (kpi)	Denumire	Cantitate	Punctaj
1.1.1.2 Carti/capitole nationale ca autor (min 2; 1 prim autor)	nr.pag./10xnr. autori	1. Ioana CSAKI , Introducere in ingineria materialelor, Editura Printech, ISBN 978-606-23-0316-7, 2014, 175pg.	175	17.50
		2. Predescu, C., Apostolescu I. , M. Sohaciu, V. Geanta, R. Stefanoiu, E. Matei, <i>Legislatie si management de mediu in Uniunea Europeana / La Legislation et le Management de L'environnement dans L'Union Europeenne</i> . Editura PRINTECH, ISBN 973 – 718 –045 – 3, Bucuresti 2004, 212 pg	212	1.63
		3. Popescu G, Csaki I , Iacob Gh, Alierea mecanica, Tratat de stiinta si ingineria materialelor, 2014, pp. 950 - 1033, 978-973-720-533-9	90	3.00
1.2.1 Manuale didactice / Monografii (min 1)	nr.pag./20xnr. autori	1. Petru Moldovan, Gabriela Popescu, Mihai Butu, Ioana Apostolescu – „Finisarea granulației aliajelor de aluminiu”, Editura Politehnica Press, 210 pg, ISBN 978-973-7838-08-7.	210	2.63
1.2.2 Indrumare de laborator/aplicatii (min 1)	nr.pag./25xnr. autori	1. Csaki Ioana , Iacob Gheorghe, Notiuni introductive in ingineria materialelor, Editura Politehnica Press, 162 pg, 2014, www.sim.pub.ro/cursuri	162	3.24
		2. Popescu Gabriela, Csaki Ioana , Iacob Gheorghe, Pulberi metalice neferoase, www.sim.pub.ro/cursuri, 163pg.	163	2.17
1.3 Coordonare programe de studii		1. Responsabil orarii an IA si IIA master – grupa IA si IIA SIM 2. Responsabil practica studentilor de la inginerie economica SIM si stiinta materialelor FILS in anii 2005, 2006 si 2007, la ALRO SA Slatina 3. Membru in comisii de licenta si de disertatie	4	30.00
Total activitate didactica si profesionala (min. 40)				60.17

2. Activitate de cercetare (A2)

Categorii si restrictii	Indicatii (kpi)	Denumire	Punctaj
2.1 Articole cotate in reviste ISI Thomson Reuters si in volumele indexate ISI proceedings (min. 15 articole din care min. 10 in reviste cotate ISI Th.R., din care min. 5 cu FI de min. 0,5 si min. 5 ca	Reviste : (25+20 xFI)/nr. autori Volume: 20/nr. autori [max. 3 articole / manife stare] realizat 22	1. Ioana Csaki , Radu Stefanoiu, Victor Geanta, Ionelia Voiculescu, Mirela Gabriela Sohaciu, Amalia Soare, Gabriela Popescu, Steluta Serghiuta, Researches Regarding the Processing Technique Impact on the Chemical Composition, Microstructure and Hardness of AlCrFeNiCo High Entropy Alloy, REV.Chim. (Bucharest), 67, No. 7, 1373 - 1377 WOS:000385513000029, FI 0.956	5.52
		2. P. Moldovan, Ioana CSAKI* , G. Popescu, M. Lucaci, M.V. Lungu, M. Butu, Microstructure evolution and tribological properties for new AlSi9Cu3/5%GrCu composite, Composite Part B, 81, 141 - 148, 2015, WOS 000361406300015, FI 3.85	17.00
		3. Aurelian Buzăianu, Petra Moțoiu, Ioana Csaki* , Gabriela Popescu, Kolbrun Ragnarstottir, Sæmundur Guðlaugsson, Daniel Guðmundsson, Adalsteinn Arnbjörnsson, Experiments on Life Cycle Extensions of Geothermal Turbines By Multi Composite Technology, Geothermics, 57(2015), pp. 1 - 7, 10.1016/j.geothermics.2015.05.001, WOS 000361257600001, FI 2.35	8.93

autor
principal
indiferent
de FI

<p>4.Vasile Soare, Dumitru Mitrica, Ionut Constantin, Gabriela Popescu, Ioana Csaki, Mihai Tarcolea, Ioan Carcea, The Mechanical and Corrosion Behaviors of As-cast and Re-melted AlCrCuFeMnNi Multi-Component High-Entropy Alloy, Metallurgical and Materials Transactions A, ISSN 1073-5623, DOI 10.1007/s1 1661-014-2523-7, FI 1,749, pag.1468-1473, WOS :000350300900008</p>	<p>8.57</p>
<p>5.M. A. Matara, I. Csaki*, G. Popescu, M. Lucaci, M. Lungu, Investigation of Microstructure and Tribological Properties of Al/Al₂O₃+Gr Hybrid Composite, JOAM, Vol. 17, No. 11-12, November – December 2015, p. 1849 -1854, WOS:000368046700035, FI 0.383</p>	<p>6.53</p>
<p>6.Ștefănoiu, R., Geantă, V., Voiculescu, I., Csaki, I.(autor corespondent), Ghiban, N. Researches regarding the influence of chemical composition on the properties of AlxCrFeCoNi alloys, REVISTA DE CHIMIE, Vol. 65, No. 7, 2014, Cotață ISI Thomson Reuters, FI = 0,956, ISSN: 0034-7752, WOS:000345545600016</p>	<p>4.90</p>
<p>7.Csaki, I., Popescu, G., Ștefănoiu, R*. Reactive vacuum infiltration aluminum based composite hardness variation with in situ reaction completion level, REVISTA DE CHIMIE, Vol. 65, No. 2, p. 206-209, 2014, Cotață ISI Thomson Reuters, FI = 0.956 ISSN: 0034-7752, WOS:000333577400017</p>	<p>14.71</p>
<p>8.Geantă, V., Voiculescu, I., Ștefănoiu, R., Savastru, D., Csaki, I., Patroi, D., Leonat, L. <i>Processing and characterization of advanced multi-element high entropy materials from AlCrFeCoNi system.</i> OPTOELECTRONICS AND ADVANCED MATERIALS – RAPID COMMUNICATIONS, Vol. 7, No. 11-12, p. 874-880, 2013, Cotață ISI Thomson Reuters, FI = 0,402. ISSN: 1842-6573. WOS:000328253100014</p>	<p>4.75</p>
<p>9. Csaki, I., Popescu, G., Ștefănoiu, R. <i>In situ Reaction Influence on Hybrid Aluminum/Titan Aluminide and Alumina Composite Hardness.</i> REVISTA DE CHIMIE, Volume 64, Issue 7, p. 693-696, 201, FI = 0,956 , ISSN: 0034-7752, WOS:000322683900005</p>	<p>14.71</p>
<p>10.Csaki I, Al/TiB₂ In situ composite material microstructure influence on hardness, Metalurgia International, special no. 2, 2013, FI=0, ISSN: 1582-2214, WOS:000315368200014</p>	<p>25.00</p>
<p>11.Nicolae Constantin, Cristian Dobrescu, Apostolescu I, Petrache R, Buzduga M., Research regarding the physical and chemical characteristics of pre-reduced iron ores and the analysis of the possibilities of their use in the iron and steel elaboration process, METALURGIA INTERNATIONAL , Volume 13, issue 5, Pg. 15 – 20, 2008, ISSN 1582-2214, WOS:000256691600003</p>	<p>5.00</p>
<p>12. Popescu G, Matara M.A., Csaki I, Popescu C.A., Trusca R., Synthesis and characterisation of a new high entropy composite matrix, IOP Conference Series Materials Science and Engineering 133 (1), 012008, 2016, 1 - 7, WOS:000391140000043,</p>	<p>4.00</p>
<p>13.Csaki I, Karlsdottir S.N., Buzaianu A., Ragnasdottir K, Guolaugsson S., Morphological characterisation of complex powder used for protective coatings for geothermal plant components IOP Conference Series Materials Science and Engineering 133 (1), 012008, 2016, 1- 8, WOS:000391140000047</p>	<p>4.00</p>
<p>14.Buzaianu A, Csaki I, Motoiu P, Popescu G, et all. Some analysis od major impact of geothermal fluid components in power plant equipment IOP Conference Series Materials Science and Engineering 133 (1), 012008, 2016, 1 - 8, WOS:000391140000008</p>	<p>2.50</p>

		15. Buzaianu A, Csaki I , Motoiu P, Popescu G, Ragnasdottir K, Arnbjorsson A, Gudlagsson S, Gudmunsson D, Composite material development to plasma deposition for geothermal turbine protection, M2D2015 proceeding of 6th international conference of mechanics and materias in design, 2015, pp 709 - 718, WOS 000378595500125	3.57
		16. Soare V., Mitrica D., Constantin I., Popescu G., Csaki I* , Tarcolea M., Carcea I., AlMnCrCuFeNi multicomponent alloy with superior hardness and corrosion resistance TMS Annual Meeting 2014, ISBN: 978-111888972-5 Pages 1079-1086, WOS:000354941300128 ,	6.25
		17. Moldovan P, Popescu G, Zsigmond M, Apostolescu I , Role and distribution of strontium during the dissolving and grain refining process of AlSi7Mg alloy's structure MATERIALS SCIENCE FORUM Volume: 396-4 Pages: 167-172 Published: 2002 Document type: Article, ISSN: 0255-5476, WOS:000177030500027	8.33
		18. Apostolescu I , Moldovan Petru, Popescu Gabriela, <i>Powder Metallurgy Processing of Al/TiAl₃+Al₂O₃</i> , Researches in powder metallurgy, Materials Science Forum, volume 672, pg 215 – 218, 2011, DOI: 10.4028/www.scientific.net/MSF.672.215, Document type Proceeding paper, ISSN: 0255-5476, WOS:000293097000043	6.25
		19. Sohaciu Mirela, Csaki Ioana , Velicu Stefan et al. <i>Project management – a useful tool for SME's</i> , Mathematics and Computer ins Science and Engineering, pg 163 – 167, 2010, Document type: Proceeding paper, ISSN: 1792-4308 ISBN: 978-960-474-202-8, WOS:000299968900033	5.00
		20. Mirela Sohaciu, A. Nicolae, Cr. Predescu, E. Matei, Apostolescu I , <i>Professional skills developing – a way of continuous performances improving</i> , în Proceedings of The 6th WSEAS International Conference on Engineering Education (EE '09) - Book Series: Mathematics and Computers in Science and Engineering, (pag: 111-115), 2009, ISBN: 978-960-474-100-7, [ISI-Web of Science/Science Citation Index Expanded], WOS:000271229200016	6.25
		21. P. Moldovan, G. Popescu, C.A. Popescu, Ioana Apostolescu , A. Buzăianu, <i>New quaternary type of Al-Sr-Ti-B master alloy for grain refining and modifying of Al-Si</i> , Advanced Materials Research vol 23(2007) pp 295 – 298, Document Type: Proceedings Paper ISSN: 1022-6680, ISBN: 978-0-87849-460-6, WOS:000252159400066	6.25
		22. Moldovan P, Popescu G, Apostolescu I , Popescu C, Recycling of the metallic phases resulted after reclamation of Al/SiC(p) scrap composites Book Series Title: LIGHT METALS, Pages: 1019-1025, Published: 2002, ISSN: 0147-0809, ISBN: 0-87339-519-0, WOS:000175748000145	6.25
		Total	174.26
min.10 in reviste cotate ISI Th.R.5	realizat 11	Ioana Csaki , Radu Stefanoiu, Victor Geanta, Ionelia Voiculescu, Mirela Gabriela Sohaciu, Amalia Soare, Gabriela Popescu, Steluta Serghiuta, Researches Regarding the Processing Technique Impact on the Chemical Composition, Microstructure and Hardness of AlCrFeNiCo High Entropy Alloy, REV.Chim. (Bucharest), 67, No. 7, 1373 - 1377 WOS:000385513000029	
		P. Moldovan, Ioana CSAKI* , G. Popescu, M. Lucaci, M.V. Lungu, M. Butu, Microstructure evolution and tribological properties for new AlSi9Cu3/5%GrCu composite, Composite Part B, 81, 141 - 148, 2015, WOS 000361406300015	

		<p>Aurelian Buzăianu, Petra Moțoiu, Ioana Csaki*, Gabriela Popescu, Kolbrun Ragnarstottir, Sæmundur Guðlaugsson, Daniel Guðmundsson, Adalsteinn Arnbjörnsson, Experiments on Life Cycle Extensions of Geothermal Turbines By Multi Composite Technology, Geothermics, 57(2015), pp. 1 - 7, 10.1016/j.geothermics.2015.05.001, WOS 000361257600001</p> <p>Vasile Soare, Dumitru Mitrica, Ionut Constantin, Gabriela Popescu, Ioana Csaki, Mihai Tarcolea, Ioan Carcea, The Mechanical and Corrosion Behaviors of As-cast and Re-melted AlCrCuFeMnNi Multi-Component High-Entropy Alloy, Metallurgical and Materials Transactions A, ISSN 1073-5623, DOI 10.1007/s1 1661-014-2523-7, FI 1,73, pag.1468-1473, WOS:000354941300128</p> <p>M. A. Matara, I. Csaki*, G. Popescu, M. Lucaci, M. Lungu, Investigation of Microstructure and Tribological Properties of Al/Al₂O₃+Gr Hybrid Composite, JOAM, Vol. 17, No. 11-12, November – December 2015, p. 1849 -1854, WOS:000368046700035</p> <p>Ștefănoiu, R., Geantă, V., Voiculescu, I., Csaki, I.(autor corespondent), Ghiban, N. Researches regarding the influence of chemical composition on the properties of AlxCrFeCoNi alloys, REVISTA DE CHIMIE, Vol. 65, No. 7, 2014, Cotată ISI Thomson Reuters, FI = 0,677, ISSN: 0034-7752, WOS:000345545600016</p> <p>Csaki, I., Popescu, G., Ștefănoiu, R*. Reactive vacuum infiltration aluminum based composite hardness variation with in situ reaction completion level, REVISTA DE CHIMIE, Vol. 65, No. 2, p. 206-209, 2014, Cotată ISI Thomson Reuters, FI = 0,0,677. ISSN: 0034-7752, WOS:000333577400017</p> <p>Geantă, V., Voiculescu, I., Ștefănoiu, R., Savastru, D., Csaki, I., Patroi, D., Leonat, L. <i>Processing and characterization of advanced multi-element high entropy materials from AlCrFeCoNi system.</i> OPTOELECTRONICS AND ADVANCED MATERIALS – RAPID COMMUNICATIONS, Vol. 7, No. 11-12, p. 874-880, 2013, Cotată ISI Thomson Reuters, FI = 0,402. ISSN: 1842-6573. WOS:000328253100014</p> <p>Csaki, I., Popescu, G., Ștefănoiu, R. <i>In situ Reaction Influence on Hybrid Aluminum/Titan Aluminide and Alumina Composite Hardness.</i> REVISTA DE CHIMIE, Volume 64, Issue 7, p. 693-696, 201, FI = 0,677 , ISSN: 0034-7752, WOS:000322683900005</p> <p>Csaki I. Al/TiB₂ In situ composite material microstructure influence on hardness, Metalurgia International, special no. 2, 2013, FI=0, ISSN: 1582-2214, WOS:000315368200014</p> <p>Nicolae Constantin, Cristian Dobrescu, Apostolescu I et all. Research regarding the physical and chemical characteristics of pre-reduced iron ores and the analysis of the possibilities of their use in the iron and steel elaboration process, METALURGIA INTERNATIONAL , Volume 13, issue 5, Pg. 15 – 20, 2008, ISSN 1582-2214, WOS:000256691600003</p>		
Reviste cu factor de impact peste 0,5, min 5	realizat 6	<p>1.Ioana Csaki, Radu Stefanoiu, Victor Geanta, Ionelia Voiculescu, Mirela Gabriela Sohaciu, Amalia Soare, Gabriela Popescu, Steluta Serghiuta, Researches Regarding the Processing Technique Impact on the Chemical Composition, Microstructure and Hardness of AlCrFeNiCo High Entropy Alloy, REV.Chim. (Bucharest), 67, No. 7, 1373 - 1377 WOS:000385513000029</p> <p>2.P. Moldovan, Ioana CSAKI*, G. Popescu, M. Lucaci, M.V. Lungu, M. Butu, Microstructure evolution and tribological properties for new AlSi9Cu3/5%GrCu composite, Composite Part B, 81, 141 - 148, 2016</p>	0.956	3.85

		<p>3.Aurelian Buzăianu, Petra Moțoiu, Ioana Csaki*, Gabriela Popescu, Kolbrun Ragnarstottir, Sæmundur Guðlaugsson, Daniel Guðmundsson, Adalsteinn Arnbjörnsson, Experiments on Life Cycle Extensions of Geothermal Turbines By Multi Composite Technology, Geothermics, 57(2015), pp. 1 - 7, 10.1016/j.geothermics.2015.05.001</p>	2.32	
		<p>4.Ștefănoiu, R., Geantă, V., Voiculescu, I., Csaki, I.(autor corespondent), Ghiban, N. Researches regarding the influence of chemical composition on the properties of AlxCrFeCoNi alloys, REVISTA DE CHIMIE, Vol. 65, No. 7, 2014, Cotată ISI Thomson Reuters, FI = 0,677, ISSN: 0034-7752. Document Type: Article, WOS:000345545600016</p>	0.956	
		<p>5.Csaki, I., Popescu, G., Ștefănoiu, R*. Reactive vacuum infiltration aluminum based composite hardness variation with in situ reaction completion level. REVISTA DE CHIMIE, Vol. 65, No. 2, p. 206-209, 2014Cotată ISI Thomson Reuters, FI = 0,538. ISSN: 0034-7752, WOS:000333577400017</p>	0.956	
		<p>6.Csaki, I., Popescu, G., Ștefănoiu, R. In situ Reaction Influence on Hybrid Aluminum/Titan Aluminide and Alumina Composite Hardness. REVISTA DE CHIMIE, Volume 64, Issue 7, p. 693-696, 201, FI = 0,538. ISSN: 0034-7752. Document Type: Article, WOS:000322683900005</p>	0.956	
<p>min. 5 ca autor principal indiferent de FI</p>	<p>realizat 8</p>	<p>1.Ioana Csaki, Radu Stefanioiu, Victor Geanta, Ionelia Voiculescu, Mirela Gabriela Sohaciu, Amalia Soare, Gabriela Popescu, Steluta Serghiuta, Researches Regarding the Processing Technique Impact on the Chemical Composition, Microstructure and Hardness of AlCrFeNiCo High Entropy Alloy, REV.Chim. (Bucharest), 67, No. 7, 1373 - 1377 WOS:000385513000029</p>		
		<p>2.P. Moldovan, Ioana CSAKI*, G. Popescu, M. Lucaci, M.V. Lungu, M. Butu, Microstructure evolution and tribological properties for new AlSi9Cu3/5%GrCu composite, Composite Part B, 81, 141 - 148, 2016</p>		
		<p>3. Aurelian Buzăianu, Petra Moțoiu, Ioana Csaki*, Gabriela Popescu, Kolbrun Ragnarstottir, Sæmundur Guðlaugsson, Daniel Guðmundsson, Adalsteinn Arnbjörnsson, Experiments on Life Cycle Extensions of Geothermal Turbines By Multi Composite Technology, Geothermics, 57(2015), pp. 1 - 7, 10.1016/j.geothermics.2015.05.001</p>		
		<p>4.M. A. Matara, I. Csaki*, G. Popescu, M. Lucaci, M. Lungu, Investigation of Microstructure and Tribological Properties of Al/Al2O3+Gr Hybrid Composite, JOAM, Vol. 17, No. 11-12, November – December 2015, p. 1849 -1854</p>		
		<p>5.Ștefănoiu, R., Geantă, V., Voiculescu, I., Csaki, I.(autor corespondent), Ghiban, N. Researches regarding the influence of chemical composition on the properties of AlxCrFeCoNi alloys, REVISTA DE CHIMIE, Vol. 65, No. 7, 2014, Cotată ISI Thomson Reuters, FI = 0,677, ISSN: 0034-7752. Document Type: Article, WOS:000345545600016</p>		
		<p>6.Csaki, I., Popescu, G., Ștefănoiu, R*. Reactive vacuum infiltration aluminum based composite hardness variation with in situ reaction completion level. REVISTA DE CHIMIE, Vol. 65, No. 2, p. 206-209, 2014Cotată ISI Thomson Reuters, FI = 0,538. ISSN: 0034-7752, WOS:000333577400017</p>		
		<p>7.Csaki, I., Popescu, G., Ștefănoiu, R. In situ Reaction Influence on Hybrid Aluminum/Titan Aluminide and Alumina Composite Hardness. REVISTA DE CHIMIE, Volume 64, Issue 7, p. 693-696, 201, FI = 0,538. ISSN: 0034-7752. Document Type: Article, WOS:000322683900005</p>		
		<p>8.Csaki I, Al/TiB₂ In situ composite material microstructure influence on hardness, Metalurgia International, special no. 2, 2013, FI=0, ISSN: 1582-2214 Document type: Article WOS:000315368200014</p>		

<p>2.2 Articole in reviste si volumele si unor manifestari stiintifice indexate in alte baze de date internatrimoniale (min. 5)</p>	<p>Reviste : 20/nr.a utori Volum e: 10/nr.a utori [max. 3 articole / manife stare]</p>	<p>1.Popescu, G., Adrian, M.M., Csaki, I., Popescu, C.A., Mitrica, D., Vasile, S., Carcea, I., Mechanically alloyed high entropy composite. IOP Conference Series: Materials Science and Engineering Volume 145, Issue 7, 23 August 2016, pp. 1-7, indexat scopus</p>		2.86
		<p>2, M.A. Matara, Ioana CSAKI*, G. Popescu, C.A. Popescu, V. Soare, A. Soare, D. Mitrica, AlCrCuFeNiMn high entropy alloy obtained by a powder metallurgy route, UPB Sci. Bull, Series B, Vol 77, Iss.4, 2015, pp. 351 - 358 indexat scopus</p>		2.86
		<p>3. Amalia SOARE*, Ioana CSÁKI, Cristina OPREA, Sorin SOARE, Cristian PREDESCU, Mirela SOHACIU, Ru-based Bond Coats used for high temperature applications, Advanced Materials Research Vol 1114 (2015) pp 229-232, Trans Tech Publications, Switzerland, doi:10.4028 / www.scientific.net / AMR.1114.229, indexat Ulrich, Proquest</p>		3.33
		<p>4.Mihaița Adrian Matara, Ioana Csáki, Mariana Lucaci, Magdalena Lungu, Gabriela Popescu*, Gheorghe Iacob, Al/Al₂O₃+Gr hybrid composite compacting behavior, Advanced Materials Research Vol 1114 (2015) pp 86-91, Trans Tech Publications, Switzerland, doi:10.4028/ www.scientific.net /AMR.1114.86, indexat Ulrich, Proquest</p>		3.33
		<p>5.Aurelian Buzăianu, Ioana Csáki*, Petra Moțoiu, Gabriela Popescu, Ingolfur Thorbjörnsson, Kolbrun R. Ragnarsdóttir, Sæmundur Guðlaugsson, Daniel Goumumson, Recent Advances of the Basic Concepts in Geothermal Turbines of Low and High Enthalpy, Advanced Materials Research, Vol 1114, (2015), Trans Tech Publications, Switzerland, doi:10.4028 / www.scientific.net / AMR.1114.233, pp 233-238, indexat Ulrich, Proquest</p>		2.50
		<p>6.Florina Emilia Radulescu, Csaki I, Maria Nicolae, Research regarding electromagnetic radiation protection system processing using AlNiCo composite materials, Metallurgy and New materials Research, vol XXII, nr2/2014, pg. 33 – 40, indexata Ulrich</p>		6.67
		<p>7.Veteleanu A., Bot D., Cozma R., Apostolescu I, Determinarea caracteristicilor tribologice ale compozitelor hibride, METALURGIA (60), nr. 8, 2008, p. 18 – 21, D.C. 669.017.16, indexata Ulrich</p>		5.00
		<p>8.P. Moldovan, G. Popescu, Apostolescu I, S. Bejan, „New tribological composite materials for automotive industry” Bulletin of the Transilvania University of Brasov, Supliment BRAMAT 2007, ISSN 1223 – 9631 pg. 19 – 24 indexata Ulrich</p>		5.00
		<p>9.P. Moldovan, G. Popescu, Apostolescu I, S. Bejan – „ Hybrid composite materials for automotive industry”, Proceeding of IDDRG 2007 Conference Forming the future, p. 551 – 556, indexata Proquest</p>		5.00
		<p>10.P.Moldovan, Popescu G, Apostolescu I, Zsigmond M, – “Modification and grain refining of multifunctional materials in Al-Si-Mg system by addition of Sr, Ti and B”, Buletinul Inst. Politehnic Iasi, tomul LII (LVI), fasc.1, 2006, p.235-240, indexata Proquest</p>		5.00
		<p>11.Popescu G, Petru Moldovan, Carceanu I, Apostolescu I, – “Some aspects concerning the manufacturing of hard alloys with improved properties by PIM”, Third International Conference & Exhibition On Powder Metallurgy, RoPM 2005, Cluj Napoca, p.907-912, indexata Proquest</p>		5.00
		<p>12.Moldovan P., Popescu G., Apostolescu I. Danila F., – “The Tribological Parameters of AlCu₄Si/Gr(p) Composite Materials for the Bearing Separator Fabrication”, Proceeding International Conference on Structural Analysis of Advanced Materials ICSAM 2005, p.175-179 indexata Proquest</p>		2.50
		<p>13.Moldovan P., Apostolescu I, Popescu G., Stanescu A., – “Improvement of Al/SiC(p) Composite Properties”, Proceeding International Conference on Structural Analysis of Advanced Materials ICSAM 2005, p.197-201, indexata Proquest</p>		2.50

14. Moldovan P., Popescu G, Apostolescu I , – “Materiale compozite in-situ cu matrice de aluminiu”, Buletin Stiintific al Universitatii de Nord Baia Mare, 2005, p.259-265. indexata Ulrich	6.67
15. Moldovan P., Firescu L, Apostolescu I , Popescu G, Butu M., – “The Heterogeneous Nucleation and Hydrogen Role on the Primary Microporosity in Aluminum Alloys”, Buletinul Inst. Politehnic Iasi, tomul LI (LV), fasc.2, 2005, p.249-256, indexata Ulrich	4.00
16. Moldovan, P., Popescu, G., Apostolescu, I , Butu, M. The dissolved element and nucleant influence on the aluminum alloys grain refining degree 2004 TMS Annual Meeting, EPD Congress 2004, Liquid Metal Processing, p. 363 - 369, ISBN 0-87339-565-4, indexata Scopus	5.00
17. Moldovan P. , Popescu G. , Butu M., Apostolescu I , – “Methods for Obtaining Binary Grain Refining Alloys”, International Conf. Proceedings Tehnonav 2004, Constanta 27-29 May, p.297-302, indexata Ulrich.	2.50
18. Moldovan P. , Apostolescu I , Popescu G. , Butu M. ,Gheorghe I., – “Thermodynamics of Ti-Al-O Ternary System for Al/TiAl ₃ +Al ₂ O ₃ Hybrid Composite Obtaining by Reactive Infiltration”, International Conf. Proceedings Tehnonav 2004, Constanta 27-29 May, p.291-296, indexata Ulrich	2.00
19. Stănescu, A., Apostolescu, I , Popescu, G, Heat treatment of Al/(Al ₂ O ₃ p+SiCp) hybrid composites 2003 UPB Scientific Bulletin, Series B: Chemistry and Materials Science pag. 85 – 91, indexata Scopus	6.67
20. P. Moldovan, Gabriela Popescu, Apostolescu I , S. Hampu, – „Microstructural Characterization of AlTi5B1 Master Alloy used for Grain Refinement”, International Conference on Materials Science & Engineering BRAMAT 2003, 13-14 March 2003, Brasov – Romania, p. 24-29, indexata Proquest	2.50
21. Butu M., Iliescu V., Apostolescu I . – “Thermodynamic of metallic impurities of aluminum and deformable aluminum alloys elimination” International conference on materials science&engineering, BRAMAT, 13 – 14 martie 2003, Brasov, pg. 67 – 72, indexata Proquest	3.33
22. P. Moldovan, M. Butu, Apostolescu I , V. Iliescu, – „Gas distribution modelling in gas injection of aluminum melts”, Conferința Națională de Tehnologii și Materiale Avansate, Galați 2003, p. 356 – 360, indexata Proquest	2.50
23. P. Moldovan, Gabriela Popescu, Apostolescu I , – “Theoretical studies regarding Al/TiB ₂ composites processing”, Acta Technica Napocensis, Section Machine Constructions, Materials, vol.45, part I, 2002, Cluj-Napoca, p.94-98, indexata Proquest.	6.67
24. P. Moldovan, Gabriela Popescu, F. Danila, Apostolescu I , – “Study of tribological parameters of bearings’ separator made from Al/Graphite and Al/SiC composite materials”, Ovidius University Annals of Mechanical Engineering, vol. IV, tom I, 2002, 580 – 583, indexata Proquest.	5.00
25. D. Taloi, C. Popescu, Liana Vladutiu, Apostolescu I , Gabriela Popescu – “New thermodynamically considerations regarding Li-Mg binary alloys system” Buletinul Institutului Politehnic din Iasi, Tomul XLVIII (LII) Fasc 3-4, 2002, Sectia Stiinta si Ingineria Materialelor, pg. 300 – 304, indexata Proquest	4.00
26. P. Moldovan, P. Toboc, Gabriela Popescu, L. Florescu, Apostolescu I , „The Characterization of Aluminum Alloys obtained by Scrap Melting”, Conferinta Nationala de Metalurgie si Stiinta Materialelor CNMSM 2002, 10-11 octombrie 2002, Bucuresti – Romania, p.530-535, indexata google scholar	4.00
27. M. Grigore, D. Taloi, I. Constantin, C. Popescu, Apostolescu I – “Calculul randamentului de matificare a cuprului la topirea in suspensie a concentratelor cuproase” Buletinul stiintific al Universitatii de Nord, Baia Mare, Serie D, vol. XV, 2001, p.18 indexata Proquest.	4.00

		28.Buzatu, M., Apostolescu I , Stroe R, Zsigmond M, Buzatu R, UPB Scientific Bulletin, Series B: Chemistry and Materials Science, Volume 61, Issue 3-4, 1999, Pages 257-264, indexata Scopus.		4.00
			TOTAL	114.38
2.4.1.2 Granturi/proiecte castigate prin competitie - director/responsabil (min. 1 din ca director)	Internațional 20xani desfasurare	1. Exploring advanced materials structure when interacting with geothermal steam to produce renewable energy, Proiecte de cooperare bilaterala de mica anvergura, 6SEE/2016 , Mecanismul financiar SEE 2009 - 2014, masura 2016, director proiect (partener University of Iceland, assoc. prof. Sigrun Nana Karlsdottir)	1	20.00
		2. Upgrading and Life Cycle Extensions of Geothermal Energetic Pumps and Turbines by Thermal Spray Process and Multi Composite Technology, Coordonator METAV - CD, Director proiect Dr. Aurelian BUZAIANU, Parteneri Universitatea Politehnica Bucuresti, responsabil S.I.dr.ing. Ioana CSÁKI, TEHNOID SRL, Inovation center of Iceland, ON, Velvik, in cadrul Mecanism SEE, Parteneriate cu Norvegia si Islanda, 16SEE /2014 – responsabil Csaki Ioana, 2014 - 2017	3	60.00
		3. Acord de cooperare ERASMUS+ cu University of Iceland - responsabil proiect (partener University of Iceland)	1	20.00
		4. Acord de cooperare in cadrul Mecanismului financiar SEE 2009 - 2014, 2015, Fondul pentru burse - responsabil proiect (partener University of Iceland) nr contract 11/22.06.2015	1	20.00
	Național 10xani desfasurare	1. CEEEX 275/2006, Cercetări fundamentale pentru realizarea unor noi sisteme liante ecologice pe baza de MgO cu proprietati absorbante de CO ₂ din atmosfera”, Coordonator CEPROCIM SA, director proiect ing. Gabriela Ilie., partener Universitatea Politehnica Bucuresti, responsabil Apostolescu Ioana, 2006 - 2009	3	30.00
2.4.2.2 Granturi/proiecte castigate prin competitie - membru in echipa (min 2)	Internațional 4xani desfasurare	1. Development of a "Front - line advice" – guidance – counselling scheme for SMEs' employees", coordonator UPB CCEEM, Proiect Pilot Leonardo da Vinci nr. RO/03/B/F/PP-175017, 2004-2006	3	12.00
		2. Certification des competences en management en environnement. Proiect Leonardo da Vinci, nr. RO/2003/PL 91110/EX –coordonator UPB - CCEEM coautor, 2003 - 2005	2	8.00
	Național 2xani desfasurare	1."Noi aliaje cu entropie inalta cu caracteristici superioare pentru aplicatii medicale", Coordonator UPB, 134/2017	2	4.00
		2. "Noi aliaje/compozite cu entropie înaltă, cu proprietăți mecanice și anticorozive superioare, pentru aplicații la temperaturi ridicate", Coordonator UPB, 270/2015	3	6.00
		3. Multilayer Systems for cryogenic and high temperature applications”, contract PN 2 nr. 182/2012 (nr. 195.1/23.04.2013), coordonator TENSOR S.R.L., UPB CCEEM.	3	6.00
		4. Componenta pentru excavator ranforsata cu aliaje cu entropie ridicata. Contract PNCDI2 Inovare nr. 25 DPST/20.08.2013 HEATEETH, coordonator UPB - CEMS	2	4.00
		5. Structuri compozite rezistente la solicitari dinamice cu viteze mari de deformare cu aplicabilitate in domeniul protectiei colective – HEAMIL Contract PARTENERIATE-PCCA, nr. 209/2012, coordonator UPB	3	6.00
		6. Materiale si tehnologii performante destinate realizarii cutitelor de freza pentru asfalt - MATFREZ. Contract PARTENERIATE-PCCA, nr. 188/2012, coordonator UPB	3	6.00
		7. Oțeluri microaliante cu nanoprecipitate de tenacitate ridicată – ToughNanoMicrAl. Contract PARTENERIATE-PCCA, nr. 170/2012, partener UPB	2	4.00
		8. 2170/ 2008 - EVCONSOL – “Metoda noua, necoventionala de evaluare “ in – situ” a contaminarii solului cu metale grele”, partener UPB CCEEM	2	4.00

9. 2110/ 2008 – TECNANOECO – “Noi concepte tehnologice privind dezvoltarea unor nanomateriale cu impact scazut asupra mediului”, partener UPB - CCEEM	2	4.00
10. 22-097 / 2008 – GAZ BIO – “Cercetări de utilizare energetica a gazului rezultat din biomasă/cărbune prin co-gazeificare alotermă în strat fluidizat”UPB CCEEM	2	4.00
11. 32-137 / 2008 – TIPEB - “Tehnologie inovativa pentru obtinerea de produse ecologici si biodegradabili cu actiune duala anticrusta si anticoroziva pentru tratarea apelor din sistemul energetic”, partener UPB CCEEM	3	6.00
12. 92-092 / 2008 – SCANLEAD – D.Dumitrescu – “Program privind stabilirea si solutionarea aspectelor sociale in relatie cu expunerea ocupationala la plumb si SO2 din industria acumulatorilor auto” partener UPB CCEEM	3	6.00
13. Nou material compozit Al–bazalt utilizat la producerea de piese rezistente la uzura – MATCOMALBAZ. Contract PNCD 2 INOVARE 145/2008, coordonator UPB	3	6.00
14. Tehnologie de depunere prin sudare hibrida laser-mig cu pulberi - LASERDEP. Contract PNCD 2 PARTENERIATE 72-216 / 2008, partener UPB	3	6.00
15. 72-224/2008 - Implementarea efectului de memorie a formei in sisteme mecatronice inteligente utilizand aliaje avansate obtinute prin metalurgia pulberilor - AMFM, coordonator UPB	3	6.00
16. Ciocane ranforsate cu deseuri recuperabile din carburi pentru mori de macinare – MILHAM. Contract PNCD 2 PARTENERIATE - 72-218 / 2008, coordonator UPB	3	6.00
17. 71-07 /2007 – “Sistem informational pentru o retea logistica colaborativa dedicata IMM-urilor situate de-a lungul tronsonului roman a drumului european E60”, partener UPB CCEEM	3	6.00
18. 31-073-2/18.09.2007 - „Metode și tehnologii inovative de gestionare și denocivizare a deșeurilor periculoase și tratare a levigatelor cu conținut de elemente toxice, provenite din metalurgia metalelor neferoase grele”, coordonator INCDMNR-IMNR, partener UPB CCEEM	3	6.00
19. 71-071/2007 – “Cercetari avansate privind obtinerea materialelor compozite cu ranfort sub forma de particule si ranfort stratificat (camc) ”, coordonator Universitatea Tehnica „Gh. Asachi” din Iasi, partenerUPB CCEEM	3	6.00
20. 31 069 din 14.09.2007 - „Cercetarea și implementarea de noi tehnologii curate pentru recuperarea-refolosirea- si reutilizarea deșeurilor de materiale plastice în scopul reducerii impactului negativ ge asupra mediului și a sănătății”- coordonator ICTCM SA București, partener UPB CCEEM	3	6.00
21. 31 069 din 14.09.2007 - „Cercetarea și implementarea de noi tehnologii curate pentru recuperarea-refolosirea- si reutilizarea deșeurilor de materiale plastice în scopul reducerii impactului negativ ge asupra mediului și a sănătății”- coordonator ICTCM SA București, partener UPB CCEEM	3	6.00
22. C21-037 / 2007 - „Tehnologie energetică durabilă, în vederea promovării resurselor minerale uranifere indigene, prin optimizarea procedeeului de purificare a uraniului”,coordonator INCDMRR – ICPMRR, partener UPB CCEEM	3	6.00
23. Formarea prin pulverizare a electrozilor compoziti, utilizati pentru depuneri dure si sudare in puncte – pulver – Contract PNCD 2 INOVARE 57/2007, coordonator UPB - CEMS	2	4.00
24. Oțeluri microaliante cu nanoprecipitate de tenacitate ridicată – ToughNanoMicrAl. Contract PARTENERIATE-PCCA, nr. 170/2012, coordonator UPB - CEMS	3	6.00
25. Tehnologii inovative de obtinere din materiale compozite cu proprietati dirijate a lagarelor de alunecare pentru industria auto – TOMCD - Contract PNCD 2 PARTENERIATE 71-048 / 2007, coordonator UPB - CEMS	3	6.00

26. CEEX 78/2005 - Cercetari inovative privind realizarea si implementarea in agregatele termice industriale a unor atenuatoare de zgomot in vederea reducerii poluarii sonore generate de esaparea in atmosfera de gaze sau abur, coordonator UPB - CEMS	3	6.00
27. CEEX 114/2005 - RARENERG Cercetari inovative privind valorificarea complexa a materialelor si reziduurilor organice pentru obtinerea resurselor alternative regenerabile de energie in instalatii adaptate pentru mediu rural, coordonator UPB - CEMS	3	6.00
28. CEEX 77/2005 - Cercetari fundamentale si aplicative privind cresterea eficientei energetice si reducerea poluarii prin realizarea sistemelor de ardere autocarburante la cazanele de mare putere, coordonator UPB - CEMS	3	6.00
29. CALIST 515/2004 – „Metoda de măsurare a porozității primare a aliajelor de aluminiu”. Coordonator UPB - CEMS	2	4.00
30.AEROSPATIAL 167-2/2004 – „Aliaje cu baza compus intermetalic Ni3Al pentru aplicații spațiale, obținute prin metalurgia pulberilor”.coordonator ICPE - CA, partener UPB - CEMS	2	4.00
31. AEROSPATIAL 153-2/2004 – „Dispozitiv pentru răcirea subsistemelor microelectronice prin micropompare capilara”, coordonator ICPE - CA, partener UPB - CEMS	2	4.00
32.RELANSIN 1789/2004 – „Tehnologie și instalație modernizată de reciclare a resurselor secundare cu conținut de plumb, coordonator UPB - CEMS	2	4.00
33. RELANSIN 1994/2004 – „Tehnologie moderna de formare in stare plastica pentru realizarea unor materiale performante din carburi metalice sinterizate, coordonator UPB - CEMS	2	4.00
34. Relansin 1859/2003 - Realizarea si implementarea in agregate termice industriale a arzatoarelor mixte cu puterea de 5 MW, coordonator UPB - CEMS	2	4.00
35. RELANSIN 1700/2003– „Realizarea si implementarea lăncilor răcite cu apa in vederea modificării procesului tehnologici de obținere a cuprului si optimizării randamentelor metalurgice”.coordonator UPB - CEMS	2	4.00
36. RELANSIN 1643/2003– „Realizarea de noi tipuri de prealiaje finisoare de granulație in vederea îmbunătățirii calității aliajelor de aluminiu”, coordonator UPB - CEMS	2	4.00
37. CERES 75/2002– „Elaborarea unor noi tipuri de materiale compozite hibride in situ cu matrice de aluminiu prin procedeul de infiltrare reactiva”, coordonator UPB CEMS	2	4.00
38. GRANT A 433/2002– „Studii si cercetări privind sinteza unor materiale compozite hibrid cu matrice de aluminiu”, coordonator UPB - CEMS	2	4.00
39.GRANT A 365/2002– “Optimizarea procedeelor de finisare a granulației aliajelor deformabile de aluminiu pe baza cercetării paradigmelor procesului”, coordonator UPB - CEMS	2	4.00
40. RELANSIN 857/15.09.2000– “Realizarea coliviilor de rulmenți din materiale compozite Al/Grafit”, coordonator UPB - CEMS	2	4.00
41. RELANSIN 336/1999– “Modernizarea tehnologiilor de prelucrare a deșeurilor de aluminiu”, coordonator UPB - CEMS	2	4.00
42. GRANT T 6111/2000– “Studiu de piața cu privire la reintroducerea in circuitul industrial al materialelor secundare obținute prin noi procedee de recuperare - regenerare a deșeurilor de materiale compozite”, coordonator UPB - CEMS	2	4.00
	TOTAL	380.00
Total activitate de cercetare (min. 300)		668.64

3.1.1 Citari in reviste ISI	5/nr.auri FI<0,5 10/nr.auri 0,5<FI<1 15/nr.auri 1<FI<2 20/nr.auri FI>2	Geantă, V., Voiculescu, I., Ștefănoiu, R., Savastru, D., Csaki, I. , Patroi, D., Leonat, L. <i>Processing and characterization of advanced multi-element high entropy materials from AlCrFeCoNi system.</i> OPTOELECTRONICS AND ADVANCED MATERIALS – RAPID COMMUNICATIONS, Vol. 7, No. 11-12, p. 874-880, 2013. Cotață ISI Thomson Reuters, FI = 0,449. ISSN: 1842-6573. Document Type: Article, Language: English, Accession Number: WOS:000328253100014	FI	2.86
		Nahmany M, Hooper Z, Stern A, Victor Geanta, Ionelia Voiculescu, AlxCrFeCoNiHigh entropy alloys Surface modification by electron beam bead on plate machining, METALLOGRAPHY MICROSTRUCTURE AND ANALYSIS, Volume: 5 Issue: 3 Pages: 229-240 DOI: 10.1007/s13632-016-0276-y Published: JUN 2016, WOS:000377604500006	0	0.71
		Dontu, O, Moreno, JLO; Ciobanu, R ; Branzei, M; Besnea, D,]Study on laser welding of AISI 316L austenitic stainless steel, JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS Volume: 17 Issue: 9-10 Pages: 1444-1449, SEP-OCT 2015 WOS:000364600400034	0.383	0.71
		Predescu, C, Ghiban, N, Sohaciu, M, Savastru, D, Matei, E, Predescu, A, Berbecaru, A, Coman, G, Researches concerning the influence of the heating on quality of forged parts from microalloyed with boron steel. OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS Volume: 8 Issue: 1-2 Pages: 149-152 Published: JAN-FEB 2014. Cotață ISI Thomson Reuters, ISSN: 1842-6573. Document Type: Article, WOS:000331369200031	0.485	0.71
		Turcan, O, Dontu, O, Moreno, JLO, Voiculescu, I, Savastru, D, Vasile, IM, Increasing of the superficial hardness of a coupling system realized from a low carbon steel ST37-2 by surface treatment with Nd:YAG laser. JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS Volume: 16 Issue: 1-2 Pages: 20-24 Published: JAN-FEB 2014. Cotață ISI Thomson Reuters, FI = 0,516. ISSN: 1454-4164. Document Type: Article, Language: English Accession Number: WOS:000332347500004	0.383	0.71
		Buzaianu, A.; Motoiu, P.; Csaki, I.; Popescu, G.; Ragnarstottir, K.; Guolaugsson, S.; Guomundsson, Daniel; Arnbjornsson, Adalsteinn. Experiments on Life Cycle Extensions of Geothermal Turbines By Multi Composite Technology, Geothermics, 57(2015), pp. 1 - 7, 10.1016/j.geothermics.2015.05.001, WOS 000361257600001	FI	1.00
		Sohaciu, M; Ciuca, S; Savastru, D; Coman, G; Predescu, A; Berbecaru, A; Cotrut, C; Matei, E ; Gherghescu, IA ; Predescu, C, Influence of turbine blades fabrication conditions on their lifetime, OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS, Volume: 10 Issue: 3-4 Pages: 257-261, MAR-APR 2016, WOS:000376707900027	0.412	0.63
		2. Housain M.F., In situ geothermal energy technology: An approach for building cleaner and greener environment, Journal of Ecological Engineering, vol 17, issue 1, 2016, pg 49 - 55	scopus	0.38
		Ștefănoiu, R., Geantă, V., Voiculescu, I., Csaki, I.(autor corespondent), Ghiban, N. Researches regarding the influence of chemical composition on the properties of AlxCrFeCoNi alloys, REVISTA DE CHIMIE, Vol. 65, No. 7, 2014, Cotață ISI Thomson Reuters, FI = 0,956, ISSN: 0034-7752, WOS:000345545600016	FI	9.00

Niculescu, F. , Marcu, D.F. , Constantin, I. , Heica, I.D.S., Thermodynamic measures calculation for pb-sb binary alloy system using redlich-kister theoretical model (Article) UPB Scientific Bulletin, Series B: Chemistry and Materials Science, Volume 78, Issue 2, 2016, Pages 239-245	0	2.00
Ganji, R.S., Sai Karthik, P., Bhanu Sankara Rao, K., Rajulapati, K.V. Strengthening mechanisms in equiatomic ultrafine grained AlCoCrCuFeNi high-entropy alloy studied by micro- and nanoindentation methods, Acta Materialia, Volume 125, 15 February 2017, Pages 58-68	5.06	5.00
Nahmany, M.; Hooper, Z.; Stern, A.; Geanta V, Voiculescu I, AlxCrFeCoNi High-Entropy Alloys: Surface Modification by Electron Beam Bead-on-Plate Melting METALLOGRAPHY MICROSTRUCTURE AND ANALYSIS Volume: 5 Issue: 3 Pages: 229-240 Published: JUN 2016	0	2.00
Vasile Soare, Dumitru Mitrica, Ionut Constantin, Gabriela Popescu, Ioana Csaki, Mihai Tarcolea, Ioan Carcea, The Mechanical and Corrosion Behaviors of As-cast and Re-melted AlCrCuFeMnNi Multi-Component High-Entropy Alloy, Metallurgical and Materials Transactions A, ISSN 1073-5623, DOI 10.1007/s11661-014-2523-7, FI 1,73, pag.1468-1473, WOS :000350300900008	FI	8.71
D.B Miracle, Oleg Senkiv, A critical review of high entropy alloys and related concepts, Acta Materialia · October 2016, DOI: 10.1016/j.actamat.2016.08.081	5.06	2.86
Jang, MJ Joo, Joo, Soo-Hyun, Tsai, CW, Yeh, JW, Kim, HS, Compressive deformation behavior of CrMnFeCoNi high-entropy alloy, METALS AND MATERIALS INTERNATIONAL, Volume: 22 Issue: 6 Pages: 982-986 DOI: 10.1007/s12540-016-6304-2	1.8506	3.00
Soare, V; Burada, M; Constantin, I; Mitrica, D; Badilita, V; Caragea, A; Tarcolea, M, Electrochemical deposition and microstructural characterization of AlCrFeMnNi and AlCrCuFeMnNi high entropy alloy thin films, APPLIED SURFACE SCIENCE Volume: 358 Pages: 533-539 Part: B DOI: 10.1016/j.apsusc.2015.07.142 Published: DEC 15 2015 WOS:000366220500005	3.15	2.86
P. Moldova, Ioana CSAKI*, G. Popescu, M. Lucaci, M.V. Lungu, M. Butu, Microstructure evolution and tribological properties for new AISI9Cu3/5%GrCu composite, Composite Part B, 81, 141 - 148, 2015, WOS 000361406300015		2.50
Singh, Jaswinder, Fabrication characteristics and tribological behavior of Al/SiC/Gr hybrid aluminum matrix composites: A review, FRICTION Volume: 4 Issue: 3 Pages: 191-207 DOI: 10.1007/s40544-016-0116-8 SEP 2016, WOS:000383012700001	0.6	2.50
Csaki, I., Popescu, G., Ștefănoiu, R. In situ Reaction Influence on Hybrid Aluminum/Titan Aluminide and Alumina Composite Hardness. REVISTA DE CHIMIE, Volume 64, Issue 7, p. 693-696, 201, FI = 0,677 , ISSN: 0034-7752, WOS:000322683900005		8.33
Serban, N., Butu, M. , Cojocar, V.D., Sustainable lightweight 6063-T1 aluminium alloy processed by equal channel angular pressing for low environmental impact applications, Materiale Plastice Volume 53, Issue 4, December 2016, Pages 617-622	0.903	5.00
Serban, N; Raducanu, D; Cojocar, VD; Butu, M, Structural and Mechanical Properties Investigations in an Ultrafine-Grained 6063-T1 Aluminum Alloy Produced by Severe Plastic Deformation, MATERIALE PLASTICE Volume: 52 Issue: 4 Pages: 546-552, Published: DEC 2015	0.903	3.33

		Csaki, I. Al/TiB2 In situ composite material microstructure influence on hardness. METALURGIA INTERNATIONAL Volume: 18 Special Issue: 1 Pages: 66-69 Published: 2013. ISSN: 1582-2214. Document Type: Article, Language: English WOS:000315368200014	FI	10.00
		Predescu, A , Vladutiu, LM, Matei, E, Predescu, AM, PRESS COMPACTION BEHAVIOR OF Cu-Fe3O4 NANOPOWDER MIXTURES, METALURGIA INTERNATIONAL, Volume: 18, Special Issue: 5, Pages: 135-138, Published: 2013, ISSN: 1582-2214, WOS:000315611900027	0	5.00
		Sohaciu, MG, SELF REDUCING BRIQUETTES USED AS ALTERNATE MATERIAL TO STEEL OBTAINING IN EAF ON THE ELECTRO ENERGETIC REGIME, METALURGIA INTERNATIONAL, Volume: 18, Special Issue: 6, Pages: 163-165, Published: 2013, ISSN: 1582-2214, WOS:000315835600036	0	5.00
		P. Moldovan, G. Popescu, C.A. Popescu, Ioana Apostolescu , A. Buzăianu, <i>New quaternary type of Al-Sr-Ti-B master alloy for grain refining and modifying of Al-Si</i> , Advanced Materials Research vol 23(2007) pp 295 – 298, Document Type: Proceedings Paper ISSN: 1022-6680, ISBN: 978-0-87849-460-6 Accession Number: WOS:000252159400066	FI	3.60
		Jigajinni, SM, Venkateswarlu, K, Kori, SA, Effect of a grain refiner cum modifier on mechanical properties of Al-7Si and Al-11Si alloys, METALS AND MATERIALS INTERNATIONAL, Volume: 19, Issue: 2, Pages: 171-181, DOI: 10.1007/s12540-013-2006-1, Published: MAR 2013, ISSN: 1598-9623, WOS:000316286200006	1.223	3.00
		Jin Xianglong , Zhengxiu Yuan , Jiang Feng , Chen Wei , Chen Yi Chiu, Xu Yanping, Impact of compound modification on the alloy microstructure and properties of Al-Mg-Si - Light Alloy Fabrication Technology vol 40(1) , 2012 - Wanfang Data Resource System DOI: 10.3969 / j.issn.1007-7235.2012.01.004	scopus	0.60
3.1.2 Citari in reviste BDI	3/nr.auri	Sohaciu Mirela, Csaki Ioana , Velicu Stefan et al. Project management – a useful tool for SME's, Mathematics and Computer ins Science and Engineering, pg 163 – 167, 2010, Document type: Proceeding paper, ISSN: 1792-4308 ISBN: 978-960-474-202-8, WOS:000299968900033		0.75
		Gurau, M.A., Melnic, L.V., An overview of critical path applied to project management with WinQSB software, (2012) International Journal of Mathematical Models and Methods in Applied Sciences, 6 (7), pp. 829-836.	Scopus	0.75
		Mirela Sohaciu, A.Nicolae, Cr.Predescu, E. Matei, Ioana Apostolescu , Professional skills developing – a way of continuous performances improving, in Proceedings of The 6th WSEAS International Conference on Engineering Education (EE '09) - Book Series: Mathematics and Computers in Science and Engineering, (pag: 111-115), 2009, ISBN: 978-960-474-100-7, [ISI-Web of Science/Science Citation Index Expanded]; Document Information: Document Type: Proceedings Paper; Language: English; Accession Number: WOS:000271229200016		0.60
		Ş Velicu, F Velicu, A Velicu, M Giurgiu Stress management in research projects EDUCATION'10 Proceedings of the 7th WSEAS international conference on Engineering education Pages 152-156 World Scientific and Engineering Academy and Society (WSEAS) Stevens Point, Wisconsin, USA2010, ISBN: 978-960-474-202-8	scopus	0.60
		Moldovan P, Popescu G, Apostolescu I, Popescu C, Recycling of the metallic phases resulted after reclamation of Al/SiC(p) scrap composites Book Series Title: LIGHT METALS, Pages: 1019-1025, Published: 2002, ISSN: 0147-0809, ISBN: 0-87339-519-0, WOS:000175748000145		0.75
		Popescu, G., Moldovan, P., Popescu, C.-A.,Buzaianu, A. Reclamation of aluminum matrix from aluminum composites reinforced with graphite particles, Proceedings of the 2008 Global Symposium on Recycling, Waste Treatment and Clean Technology, REWAS 2008, Pages 523-530	Scopus	0.75

		P. Moldovan, G. Popescu, C.A. Popescu, Ioana Apostolescu , A. Buzăianu, New quaternary type of Al-Sr-Ti-B master alloy for grain refining and modifying of Al-Si. Advanced Materials Research vol 23(2007) pp 295 – 298, Document Type: Proceedings Paper ISSN: 1022-6680, ISBN: 978-0-87849-460-6, WOS:000252159400066		2.00		
		Rehan, A. Naveed, A. Shan, M. Afzal, J. Saleem and M. A. Noshad Spectro-photometric determinations of Mn, Fe and Cu in aluminum master alloys J. Anal. Environ. Chem. Vol. 11, No. 2 (2010) 51 pg. 51 - 55	scopus	2.00		
3.3 Membru in colectivele de redactie sau comitete stiintifice al revistelor si manifestarilor stiintifice, organiza-tor de manifestari stiintifice / Recenzor pentru reviste si manifestari stiintifice nationale si internationale indexate ISI Membru in colectivele de redactie sau comitete stiintifice al revistelor si manifestarilor stiintifice, organiza-tor de manifestari stiintifice/ Recenzor pentru reviste si manifestari stiintifice nationale si internationale indexate ISI				45.00		
Manifestari stiintifice nationale		Membru in comitetul de organizare al Conferintei Nationale de Metalurgie si Stiinta Materialelor, CNMSM 2002 si 2003		10.00		
		Membru in comitetul de organizare ROMAT 2004 si 2016		10.00		
3.3.1. ISI		Recenzor Materials and Design		5.00		
		Recenzor Waste management		5.00		
3.3.2. BDI		Recenzor "New biomaterials and Technologies for Dentistry"		3.00		
		Recenzor ROMAT 2014, 2016		6.00		
		Recenzor BIOMEDD 2015		3.00		
		Recenzor Bulein UPB		3.00		
3.4.Experienta de management, analiza si evaluare in cercetare si/sau invatamant				20.00		
		Expert evaluator pentru programele EUREKA EUROSTAR		10.00		
		Expert evaluator Comisia Europeană, EX2012D131748		10.00		
3.5.4. Premii nationale in domeniu	5 pct de premiu	Premiere rezultatele cercetarii articol in zona galbena 2015: Aurelian Buzăianu, Petra Moțoiu, Ioana Csaki, Gabriela Popescu, Kolbrun Ragnarstottir, Sæmundur Guðlaugsson, Daniel Guðmundsson, Adalsteinn Arnbjörnsson, Experiments on Life Cycle Extensions of Geothermal Turbines By Multi Composite Technology, Geothermics, 57(2015), pp. 1 - 7, 10.1016/j.geothermics.2015.05.001		5.00		
		Premierea rezultatelor cercetarii articol in zona rosie, 2015 P. Moldova, Ioana CSAKI*, G. Popescu, M. Lucaci, M.V. Lungu, M. Butu, Microstructure evolution and tribological properties for new AlSi9Cu3/5%GrCu composite, Composite Part B, 81, 141 - 148, 2015, WOS 000361406300015		5.00		
		Premierea rezultatelor cercetarii articol in zona rosie, 2015 Vasile Soare, Dumitru Mitrica, Ionut Constantin, Gabriela Popescu, Ioana Csaki, Mihai Tarcolea, Ioan Carcea, The Mechanical and Corrosion Behaviors of As-cast and Re-melted AlCrCuFeMnNi Multi-Component High-Entropy Alloy, Metallurgical and Materials Transactions A, ISSN 1073-5623, DOI 10.1007/s11661-014-2523-7, FI 1,73, pag.1468-1473, WOS :000350300900008		5.00		
		Premiul "Best oral presentation" la conferinta ROMAT 2016		5.00		
		Certificate of outstanding reviewing for Materials&Design, june 2015		10.00		
		Medalie de argint la EUROINVENT 2015 pentru prezentarea proiectului Upgrading and Life Cycle Extensions of Geothermal Energetic Pumps and Turbines by Thermal Spray Process and Multi Composite Technology		10.00		
		Medalie de bronz la EUROINVENT 2016 pentru prezentarea lucrarii Some analysis od major impact of geothermal fluid components in power plant equipment		10.00		
		Total premii		50.00		
		3.6 Membru in academii, organizatii , asociatii profesionale de prestigiu, nationale si internationale apertenenta la organizatii din domeniul educatiei si cercetarii				16.00
		3.6.4 Asociatii profesionale	3.6.4.1 Internationale	European Powder Metallurgy Association - 2005	1	5.00
ASM international	1			5.00		
3.6.4.2 nationale	Membru al Societății Române de Biomateriale		1	3.00		

	Membru al Societății Române de Metalurgie	1	3.00
Total recunoasterea impactului activitatii (min. 60)			181.10
Total punctaj A1+A2+A3 (min. 400)			909.91