

Fișa de verificare a îndeplinirii standardelor minimale necesare și obligatorii pentru conferirea titlurilor didactice din învățământul superior și gradelor profesionale de cercetare-dezvoltare

cf. Anexa nr. 16 – COMISIA INGINERIE INDUSTRIALĂ ȘI MANAGEMENT din OM nr. 6560/2012 publicat în Monitorul Oficial, Partea I, nr. 890 din 27/12/2012 și Nr. 890 bis/27.XII.2012

Propunere de definiții privind structura activității candidatului RACZ Sever-Gabriel

Nr. crt.	Domeniul activităților	Tipul activităților	Categorii și restricții	Subcategorii	Indic. unitari K _{pi}
1.	Activitatea didactică și profesională (A1)	1.1 Cărți și capitole în cărți de specialitate	1.1.1 Cărți/capitole ca autor	1.1.1.1 internaționale	
				1.1.1.2 naționale	
				Racz, S.G. , Cojocaru, S.R., <i>Proiectarea mașinilor și utilajelor. Teoria. Structura cinematică</i> , Editura Universității „Lucian Blaga” din Sibiu, ISBN 973-651-720-9, 282 pag, 2003	14.1
				Racz, S.G. , <i>Proiectarea mașinilor și utilajelor. Structuri și principii constructive</i> , Editura Universității „Lucian Blaga” din Sibiu, ISBN 978-973-739-534-4, 276 pag, 2007	27.6
				Bologa, O., Coord., Banu, M., Racz, S.G. , <i>Tratat de tehnologii neconvenționale. Vol. 12. Tehnologii neconvenționale de deformare plastică</i> , Sibiu, Editura Cisarom, ISBN 973-695-071-9, 316 pag. (autor 96 pag.), 2007	0.32
				Mătieș, V. – coordonator, <i>Platforma națională de mecatronică: fundamentul programelor educaționale și de formare continuă în societatea cunoașterii</i> , Editura UT Press, Cluj Napoca, 2016, ISBN 978-606-737-148-2, Racz S.G. prim-autor al capitolului <i>Mecatronica în cadrul Universității “Lucian Blaga” din Sibiu</i> , 10 pag, doi autori	0.5
		1.2 Material didactic / lucrări practice	1.1.2 Cărți ca editor		
			1.2.1 Manuale Didactice / monografii – minim 2 ca prim autor pt profesor	Racz, S.G. , Biriș, C., Chicea A.L., <i>Proiectarea asistată a echipamentelor industriale</i> , Editura Universității „Lucian Blaga” din Sibiu, ISBN 978-606-12-1291-0, 216 pag, 2016	3.6
				Racz, S.G. , Gîrjob, Claudia, <i>Sisteme hidraulice de acționare</i> , Editura Universității „Lucian Blaga” din Sibiu, ISBN 978-606-12-1292-7, 263 pag, 2016.	6.58
				Racz, S.G. , <i>Sisteme de acționare hidropneumatice</i> , curs e-learning, ed. electronică, 150 pag, 2015	7.5
				Racz, S.G. , <i>Grafică asistată de calculator</i> , curs e-learning, ediție electronică, 210 pag, 2014	11.5
			1.2.2 Îndrumare de laborator/aplicații; profesor minim 2 prim autor	Bârsan, I., Racz, S.G. , <i>Acționări hidraulice și pneumatice. Aplicații</i> , Editura Universității „Lucian Blaga” din Sibiu, ISBN 973-651-721-7, 207 pag., 2003	4.14
				Bârsan, I., Fetcu, V., Telea, D., Bogdan, L., Racz, S.G. , <i>Acționări și comenzi hidraulice a mașinilor unelte</i> , Îndrumar de laborator, Editura Universității „Lucian Blaga” din Sibiu, ISBN 973-9261-78-7, 210 pag., 1997	1.68
				Telea, D., Bârsan, I., Fetcu, V., Bogdan, L., Racz, S.G. , <i>Proiectarea mașinilor unelte automate</i> , Îndrumar de laborator, Editura Universității „Lucian Blaga” din Sibiu, ISBN 973-9261-75-2, 198 pag., 1996.	1.58
				Racz, S.G. , Tera, Melania, Chicea, Anca-Lucia, <i>Mașini și sisteme de prelucrare</i> , Îndrumar de laborator, Editura Universității „Lucian Blaga” din Sibiu, ISBN 978-606-12-1290-3, 189 pag., 2016.	2.52

RACZ Sever-Gabriel, Fișa de verificare a îndeplinirii standardelor minime

2.				Racz, S.G., Gîrjob, C., Biriș, C., <i>Sisteme hidraulice de acționare</i> , Îndrumar de laborator, Editura Universității „Lucian Blaga” din Sibiu, ISBN 978-606-12-1293-4, 206 pag., 2016.	2.75
		1.3 Coordonare de programe de studii, organizare și coordonare programe de formare continuă și proiecte educaționale	Director/responsabil/președinte	Responsabil specializare Mecatronică	15
				Mecatronică – limba română, responsabil dosar autorizare provizorie (2008)	15
				Sisteme CAD-CAE-CAM în deformarea plastică, responsabil dosar acreditare (2007)	15
				Responsabil modul formare continuă program POSDRU/39/3.2/G/22512	15
				Responsabil dezvoltare curriculară program POSDRU/156/2.1/G/137094	15
		1.4 Dezvoltare de noi discipline	Titular	<i>Proiectarea mașinilor și sistemelor de producție</i> , an III Mașini-unelte și sisteme de producție, suport de curs și îndrumar de laborator în format electronic, elaborate în cadrul programului POSDRU/87/1.3/S/60891, Școala universitară de formare inițială și continuă a personalului didactic și a trainerilor din domeniul specializărilor tehnice și ingineresti”, DidaTec (2010-2013)	10
				<i>Metode și tehnici CAD</i> , an I master Sisteme CAD/CAM/CAE în deformarea plastică, suport de curs și îndrumar de laborator în format electronic	10
				<i>Simularea cinematică și dinamică a sistemelor</i> , an I master Sisteme și tehnologii inteligente de fabricație, suport de curs și îndrumar de laborator în format electronic	10
				<i>Modelarea și simularea proceselor de deformare plastică</i> , an II master Sisteme și tehnologii inteligente de fabricație, suport de curs și îndrumar de laborator în format electronic	10
				<i>Sisteme de acționare hidraulice și pneumatice</i> , an III Mecatronică, suport de curs și îndrumar de laborator în format electronic	10
				<i>Mașini și sisteme de prelucrare</i> , an III Mecatronică, suport de curs și îndrumar de laborator în format electronic	10
				<i>Proiectarea asistată a sistemelor mecatronice</i> , an IV Mecatronică, suport de curs și îndrumar de laborator în format electronic	10
		1.5 Proiecte educaționale (ERASMUS, Leonardo etc.)	Director/responsabil		
	Activitate de cercetare (A2)	2.1 Articole în Reviste cotate ISI Thomson Reuters și în volume indexate ISI Proceedings	Minim 8 articole pentru Profesor din care 2 în reviste	O. Bologa, R.E. Breaz, S.G. Racz , <i>A Fuzzy-based Decision Support Tool for Engineering Curriculum Design</i> , International Journal of Computers Communications & Control, Volume: 10 Issue: 6 (December), pp. 803-811, ISSN 1841-9836, (FI 0.627), http://univagora.ro/jour/index.php/ijccc/article/view/2071/581	12.09
				Chalal, H., Racz, S.G. , Balan, T., <i>Springback of Thick Sheet AHSS Subject to Bending Under Tension</i> , International Journal of Mechanical Sciences 59 (2012), ISSN 0020-7403, Elsevier Ltd., pp. 104-114, 2012, (FI 2.481), autor corespondent	18.27
				Oleksik, V., Pascu, A., Mara, D., Bologa, O., Racz, G. , Breaz, R., <i>Influence of geometric parameters on strain and thickness reduction in incremental forming process</i> , The 13th Conference on Metal Forming, Toyohashi - Japan, September 19-22, 2010, published on Journal “Steel Research International”, Vol. 81 (2010), Special Edition, nr. 9, Publishing Company: Verlag Stahleisen GmbH, ISBN 978-3-514-00754-1, pp. 930-933, 2010, (FI 0.486)	5.81

RACZ Sever-Gabriel, Fișa de verificare a îndeplinirii standardelor minimale

			Oleksik, V., Bologa, O., Breaz, R., Racz, G. , Găvrus, A., <i>Numerical simulations and experimental researches regards the precision of the incremental forming process</i> , The 12th Conference on Metal Forming, Krakow - Poland, September 21-24 2008, published on Journal "Steel Research International", No. 79 (2008), Special Edition, Volume 1, Publishing Company: Verlag Stahleisen GmbH, ISBN 978-3-514-00754-3, pp. 591-594, 2008, (FI 0.486)	6.97
			Bologa, O., Breaz, R.E, Racz, S.G. , Crenganis, M., <i>Using the Analytic Hierarchy Process (AHP) in Evaluating the Decision of Moving to a Manufacturing Process Based Upon Continuous 5 Axes CNC Machine-tools</i> , lucrare prezentată la 4th International Conference on Information Technology and Quantitative Management (ITQM 2016), publicată în Procedia Computer Science, Volume 91, 2016, pp. 184–192, http://dx.doi.org/10.1016/j.procs.2016.07.056	6.25
			Bologa, O., Breaz, R.E, Racz, S.G. , Crenganis, M., <i>Decision-making Tool for Moving from 3-axes to 5-axes CNC Machine-tool</i> , lucrare prezentată la 4th International Conference on Information Technology and Quantitative Management (ITQM 2016), publicată în Procedia Computer Science, Volume 91, 2016, pp. 683–689, http://dx.doi.org/10.1016/j.procs.2016.07.171	6.25
			R.E. Breaz, O.C. Bologa, S.G. Racz , A.L. Chicea, <i>Mechatronics – Objectives and Main Challenges of The Study Programme and How Are They Addressed at "Lucian Blaga" University of Sibiu</i> , 9th International Technology, Education and Development Conference INTED 2015, 2-4 March, 2015, Madrid, Spain, ISBN 978-84-606-5763-7, ISSN 2340-1079, pp. 3349-3358, http://library.iated.org/view/BREAZ2015MEC	6.25
			Tera, M., Bologa, O., Breaz, R.E., Racz, S.G. , <i>Contributions Regarding Incremental Forming Process of Bimetallic Sheets</i> , Innovative Manufacturing Engineering International Conference, (IManE 2014), Chisinau, Moldova 29-30 May 2014, Applied Mechanics and Material, Applied Mechanics and Materials, ISSN 1660-9336, Vol 657, pp. 178-182, doi: 10.4028/www.scientific.net/AMM.657.178	6.25
			Cotigă, C., Racz, S.G. , Bologa, O., Breaz, R.E, <i>Researches Regarding the Usage of Titanium Alloys in Cranial Implants</i> , Innovative Manufacturing Engineering International Conference, (IManE 2014), Chisinau, Moldova 29-30 May 2014, Applied Mechanics and Materials, ISSN 1660-9336, Vol 657, pp. 173-177, doi: 10.4028/www.scientific.net/AMM.657.173	6.25
			Crenganis, M., Breaz, R.E., Racz, G. , Bologa, O., <i>Inverse Kinematics for a 7 DOF Robotic Arm Using the Redundancy Circle and ANFIS Models</i> , Innovative Manufacturing Engineering International Conference, (IManE 2014), Chisinau, Moldova 29-30 May 2014, Applied Mechanics and Materials, ISSN 1660-9336, Vol 657, pp. 823-828, doi: 10.4028/www.scientific.net/AMM.657.823	6.25
			C. Girjob, O. Bologa, G. Racz , C. Biris, <i>The Metal Forming Research Centre Of "Lucian Blaga" University Of Sibiu – Acting As Research And Technology Transfer Pole</i> , 7th International Conference on Education and New Learning Technologies, 6-8 July, 2015, Barcelona, Spain, ISBN 978-84-606-8243-1, ISSN 2340-1117, pp. 5086-5092, http://library.iated.org/view/GIRJOB2015MET	6.25

RACZ Sever-Gabriel, Fișa de verificare a îndeplinirii standardelor minime

			C. Gîrjob, G. Racz , O. Bologa, C. Biris, <i>FEM Simulation of Laminated Lightweight Materials Processed through Single Point Incremental Forming</i> , Applied Mechanics and Materials, ISSN 1660-9336, vol. 772, pp. 38-43, doi:10.4028 http://www.scientific.net/AMM.772.38 , 2015	6.25
			Tirnovan, S., Breaz, R.E., Tera, M., Bologa, O., Racz, S.G. , <i>Teaching CAD/CAE/CAM Techniques for CNC Profiling and Punching Machines at Master Level</i> , 7th International Conference of Education, Research and Innovation, 17-19 November, 2014, Seville, Spain, ISBN 978-84-617-2484-0, ISSN 2340-1095, pp. 479-486, https://library.iated.org/view/TIRNOVEAN2014TEA	5
			Breaz, R.E, Bologa, O., Racz, S.G. , <i>Mechatronics – A Study Program Required By The Industry</i> , International Technology, Education and Development Conference INTED 2014, 10-12 March 2014, Valencia, Spain, ISBN 978-84-616-8412-0 / ISSN 2340-1079, 2014, pp. 4123-4131, https://library.iated.org/view/BREAZ2014MEC	8.33
			Tera, M., Racz, S.G. , Tirnovan, S., Biris, C., Gîrjob, C., <i>Training Specialists Able to Implement the Incremental Forming Process at Industry Level</i> , 7th International Conference of Education, Research and Innovation, 17-19 November, 2014, Seville, Spain, ISBN 978-84-617-2484-0, ISSN 2340-1095, pp 494-5 https://library.iated.org/view/TERA2014TEA	5
			Breaz, R., Bologa, O., Tera, M., Racz, G. , <i>Determination of Technological Forces in the Incremental Forming Process</i> , Applied Mechanics and Materials Vol. 371 (2013), © (2013) Trans Tech Publications, Switzerland, 2013, ISBN 978-3-03785-786-1, pp. 133-137, doi:10.4028/www.scientific.net/AMM.371.133, 2013	6.25
			Chera, I., Bologa, O., Racz, G. , Breaz, R., <i>Robot-Forming – An Incremental Forming Process using an Industrial Robot by means of DELMIA software package</i> , 17th International Conference on Innovative Manufacturing Engineering, IManE 2013, Iasi, Romania, 23-24 May 2013, Applied Mechanics and Materials Vol. 371 (2013), © (2013) Trans Tech Publications, Switzerland, 2013, ISBN 978-3-03785-786-1, pp. 416-421, doi:10.4028/www.scientific.net/AMM.371.416, 2013	6.25
			Crenganis, M., Breaz, R.E., Racz, G.S. , Bologa, O.C., <i>Inverse Kinematics of a 7 DOF Manipulator using Adaptive Neuro-Fuzzy Inference Systems</i> , 12th International Conference on Control, Automation, Robotics and Vision, (ICARCV 2012), Guangzhou, China December 5-7, 2012, ISBN 978-1-4673-1870-9, pp. 1232-1237, 2012, DOI 10.1109/ICARCV.2012.6485351, http://www.icarcv.org/2012/	6.25
			Chalal, H., Racz, G.S. , Bălan, T., <i>Investigation of thick sheet AHSS springback in combined bending under tension</i> , Key Engineering Materials Vols. 504-506 (2012) pp. 791-796, Trans Tech Publications, ISSN 1013-9826 http://www.scientific.net/KEM.504-506.791	8.33
			Beck, W., Schupp, P., Bologa, O., Breaz, R., Racz, G. , Ionescu, F., <i>Mathematical Model for Aiding the Decision of Changing the Curriculum for Higher Education in the Industrial Engineering Domain</i> , ICERI 2010 International Conference of Education, Research and Innovation, 15-17 November, Madrid, Spain, 2010, ISBN 978-84-614-2439-9, pp. 6535-6542, http://library.iated.org/view/BECK2010MAT	4.16

RACZ Sever-Gabriel, Fișa de verificare a îndeplinirii standardelor minimale

				Schupp, P., Beck, W., Bologa, O., Breaz, R., Racz, G. , Ionescu, <i>Determining the Ratio between the Disciplines for Mechatronics Study Programme</i> , ICERI 2010 International Conference of Education, Research and Innovation, 15-17 November, Madrid, Spain, 2010, ISBN 978-84-614-2439-9, pp. 6543-6552, http://library.iated.org/view/SCHUPP2010DET	4.16
				Breaz, R.E., Bologa, O.C., Racz, G.S. , Oleksik, V.S., Girjob, C., <i>Simulation approach for improving CNC milling machines accuracy for single axis motion</i> , ISIE 2010, 2010 IEEE International Symposium on Industrial Electronics, Bari, Italy, 4-7 July 2010, pp. 1760 - 1764, ISBN 978-1-4244-6390-9 2010	5
				Breaz, R.E., Bologa, O., Biris, Cristina, Racz, G. , Girjob, Claudia, Oleksik, V., <i>Method for Improving the Contouring Accuracy for CNC Profiling Machines at the Shop Floor Level</i> , The 7th IEEE International Conference on Industrial Informatics, INDIN 2009, 24-26 iunie 2009, Cardiff, Marea Britanie, pp. 813-818, ISBN 978-1-4244-3760-3, ISSN 1935-4576, IEEE Catalog Number: CFP09INI-CDR	4.16
				Bologa O. Beck, W., Schupp P., Breaz R. , Racz G., Ionescu F., <i>A decision algorithm for optimizing the specialty curricula in machine tools and production systems engineering studies</i> , 5th Balkan Region Conference on Engineering and Business Education & 2nd International Conference on Engineering and Business Education, Sibiu, Romania, 15 - 17 October, 2009, pp. 330-335, ISBN 978-973-739-848-2	4.16
				Oleksik, V., Bologa, O., Breaz, R.E., Racz, G. , <i>Comparison between the numerical simulations of incremental sheet forming and conventional stretch forming process</i> , The 11th ESAFORM Conference on Material Forming, 23-25 April 2008, Lyon, France, Published in International Journal of Material Forming, ISSN 1960-6206 (Print) 1960-6214 (Online), Springer Paris DOI: 10.1007/s12289-008-0153-6, Vol. 1 (2008), Supplement 1, paper 433, pp. 1187-1190, 2008, http://www.springerlink.com/content/w287608252515270/	6.25
				Breaz, R. E., Bologa, O. C., Racz, G. S. , Oleksik, V., <i>Motion Control Systems for Machine Tools – a Mechatronic Approach by Means of Simulation</i> , IEEE International Symposium on Industrial Electronics, 30 iunie – 2 iulie 2008, Cambridge, Marea Britanie, pp. 2072-2077, ISBN 978-1-4244-1666-0, IEEE Catalog Number: CFP08ISI-CDR, Library of Congress: 2007936380	6.25
		2.2 Articole în reviste și volumele unor manifestări științifice indexate în alte baze de date internaționale	Minim 8 pentru profesor	Crenganiș, M., Breaz, R., Racz, G. , Bologa, O., <i>Adaptive neuro-fuzzy inference system for kinematics solutions of redundant robots</i> , 6th International Conference on Computers Communications and Control (ICCCC), Oradea, 2016, pp. 271-276, (IEEE Explore), DOI: 10.1109/ICCCC.2016.7496773	3.75
				M. Tera, R.E. Breaz, O. Bologa, S.G. Racz , <i>Developing a Knowledge Base about the Technological Forces within the Asymmetric Incremental Forming Process</i> , Key Engineering Materials, vol. 651, pp. 1115-1121, (Scopus), 10.4028/ www.scientific.net/KEM.651-653.1115, 2015	3.75
				O. Bologa, R.E. Breaz, A.L. Chicea, S.G. Racz , <i>Using Serial Industrial Robots in CNC Milling Procesess</i> , ICMS 2015, Iași, Buletinul Institutului Politehnic din Iași, Secția Construcții de Mașini, Tomul LXI (LXV), Fasc. 3, ISSN 1011-2855, pp. 21-28, (Index Copernicus, Ulrich's Database), 2015	3.75

RACZ Sever-Gabriel, Fișa de verificare a îndeplinirii standardelor minime

			O. Bologa, R.E. Breaz, S.G. Racz , <i>Method for estimating the manual nesting process efficiency for profiling machines, based upon image processing techniques</i> , (MTEM 2015), Cluj-Napoca, Applied Mechanics and Materials, Vol. 808, pp. 86-91, (Index Copernicus, CSA, INSPEC, EBSCO, ProQuest), Nov. 2015, doi: 10.4028/ www.scientific.net/AMM.808-86	5
			Crenganis, M., Breaz, R.E., Racz, G. , Bologa, O., <i>Inverse Kinematics for a 7 DOF Robotic Arm Using the Redundancy Circle and Fuzzy Models</i> , ISSN 1660-9336, Applied Mechanics and Materials, Vol 555, (Index Copernicus, CSA, INSPEC, EBSCO, ProQuest), pp. 320-326, doi: 10.4028/ www.scientific.net/AMM.555.320	3.75
			Chera, I., Bologa, O., Racz, G. , Breaz, R.E., <i>Experimental Researches Regarding Strain Measurement of Incrementally Formed Sheet Metal Parts Done Using an Industrial Robot</i> , 9th International Conference on Modeling and Optimization of the Aerospace, Robotics, Mechatronics, Machines-Tools, Mechanical Engineering and Human Motricity Fields, OPTIROB 2014, Mangalia, Romania, 26-29 June 2014, Applied Mechanics and Materials, ISSN 1660-9336, Vol 555, pp. 300-305, (Index Copernicus, CSA, INSPEC, EBSCO, ProQuest), doi: 10.4028/ www.scientific.net/AMM.555.300	3.75
			Cotigă, C., Bologa, O., Racz, S.G. , Breaz, R.E., <i>Method for Manufacturing Custom-Shaped Prosthetic Parts from Titanium Alloys by Incremental Forming Using Industrial Robots</i> , 9th International Conference on Modeling and Optimization of the Aerospace, Robotics, Mechatronics, Machines-Tools, Mechanical Engineering and Human Motricity Fields, OPTIROB 2014, Mangalia, Romania, 26-29 June 2014, Applied Mechanics and Materials, Vol 555, pp. 575-579, (Scopus, Index Copernicus, CSA, INSPEC, EBSCO, ProQuest) 10.4028/ www.scientific.net/AMM.555.575	3.75
			Tera, M., Bologa, O., Breaz, R.E., Racz, S.G. , <i>Theoretical and Experimental Researches Regarding Multilayer Materials Used for Incremental Forming</i> , 9th International Conference on Modeling and Optimization of the Aerospace, Robotics, Mechatronics, Machines-Tools, Mechanical Engineering and Human Motricity Fields, OPTIROB 2014, Mangalia, Romania, 26-29 June 2014, Applied Mechanics and Materials, Vol 555, pp. 413-418, (Scopus, Index Copernicus, CSA, INSPEC, EBSCO, ProQuest 10.4028/ www.scientific.net/AMM.555.413	3.75
			Chicea, A.L., Breaz, R.E, Bologa, O., Racz, S.G. , <i>Using Serial Industrial Robots and CAM Techniques for Manufacturing Prosthetic Devices</i> , (ICAMAT 2014), Applied Mechanics and Materials, Vol 762, pp. 313-318, (Index Copernicus, CSA, INSPEC, EBSCO, ProQuest 10.4028/ www.scientific.net/AMM.762.313	3.75
			Tera, M, Breaz, R.E., Bologa, O., Racz, G. , <i>Using a CNC Milling Machine for Incremental Forming</i> , Proceedings in Manufacturing Systems, Volume 9, Issue 2, 2014, ISSN 2067-9238, pp. 99-104, (Ulrich's Database, Index Copernicus, Research Bible), http://www.icmas.eu/Journal_archive_files/Vol_9-Issue2_2014_PDF/99-104_Tera.pdf	3.75
			Breaz, R., Bologa, O., Tera, M., Racz, G. , <i>Computer Assisted Techniques for the Incremental Forming Technology</i> , 18th IEEE International Conference on Emerging Technologies & Factory Automation, September 10-13, Cagliari, Italy (Scopus, IEEE Explore)	3.75

RACZ Sever-Gabriel, Fișa de verificare a îndeplinirii standardelor minime

			Chera, I., Bologa, O., Racz, G. , Breaz, R., <i>Trajectory Control for an Incremental Forming Process Using an Industrial Robot in DELMIA</i> , Academic Journal of Manufacturing Engineering, Vol 11, Issue 1/2013, ISSN 1583-7904, 2013, pp. 32-37, (Scopus, Ulrich's Database, Index Copernicus), http://www.eng.upt.ro/auif/Lucrari_PDF_2013_1/Chera.pdf	3.75
			Bologa, O., Racz, G. , Breaz, R., Crenganiș, M., <i>Comparative study regarding the generation of circular profiles through cutting</i> , Welding and Material Testing, year XXII, Nr. 2/2013, ISSN 1453-0392, 2013, pp. 19-23, (CSA, Weldasearch, IIS Data), http://www.bid-isim.ro/	3.75
			Chera, I., Bologa, O., Racz, G. , Breaz, R. and Crenganiș, M., <i>FEM Researches Regarding Incremental Forming Process</i> , Annals of the Oradea University, Fascicle of Management and Technological Engineering, Volume XXII (XII), Nr. 2013/1, ISSN 1583-0691, 2013, pp. 53-38, (Ulrich's Database, Index Copernicus, ICAAP), http://imtuoradea.ro/auo.fmte/files-2013-v1/Chera%20Ionut%201.pdf	3
			Breaz, R., Bologa, O., Tera, M., Racz, G. , <i>CAM Approaches for the Incremental Forming Process</i> , Academic Journal of Manufacturing Engineering, Vol 11, Issue 3/2013, ISSN 1583-7904, 2013, pp.100-103, (Ulrich's Database, Index Copernicus), http://www.eng.upt.ro/auif/Lucrari_PDF_2013_3/21-%20Breaz%20R..pdf	3.75
			Crenganiș, M., Breaz, R., Racz, G. , Bologa, O., <i>The Kinematic Solution of a Redundant Robotic Arm Using Matlab Simmechanics and ANFIS Models</i> , Buletinul Institutului Politehnic din Iași, Secția Construcții de Mașini, Tomul LIX (LXIII), Fascicula 3, ISSN 1011-2855, 2013, pp. 33-40, (Ulrich's Database, Index Copernicus)	3.75
			Chera, I., Bologa, O., Racz, G., Breaz, R. , <i>Researches Regarding an Incremental Forming Process by Means of an Industrial Robot</i> , Buletinul Institutului Politehnic din Iași, Secția Construcții de Mașini, Tomul LIX (LXIII), Fascicula 3, ISSN 1011-2855, 2013, pp. 41-46, (Ulrich's Database, Index Copernicus)	3.75
			Breaz, R., Tera, M., Bologa, O., Racz, G. , <i>Evaluating the Accuracy of the Parts Processed by Means of Incremental Forming Using CAD/CAM Techniques</i> , Buletinul Institutului Politehnic din Iași, Secția Construcții de Mașini, Tomul LIX (LXIII), Fascicula 3, ISSN 1011-2855, 2013, pp. 47-52, (Ulrich's Database, Index Copernicus)	3.75
			Breaz, R., Bologa, O., Tera, M., Racz, G. , <i>Researches Regarding the Use of Complex Trajectories and Two Stages Processing in Single Point Incremental Forming of Two Layers Sheet</i> , The 14th Conference on Metal Forming, Krakow - Poland, September 16-19, 2012, published on Journal "Steel Research International", Special Edition, Publishing Company: Wiley-VCH Verlag GmbH & Co. KGaA, ISBN 978-3-514-00797-0, ISSN 1611-3683, pp. 427-430, 2012 (Scopus)	3.75
			Breaz, R., Racz, G. , Bologa, O., Oleksik, V., <i>Motion Control of Medium Size CNC Machine-Tools - A Hands-on Approach</i> , The 7th IEEE Conference on Industrial Electronics and Applications (ICIEA 2012), Singapore, July 18-20 2012, ISBN 978-1-4577-2118-2, pp. 2112 - 2117, 2012, (Scopus, IEEE Explore), DOI 10.1109/ICIEA.2012.6361079, http://www.ieeeiciea.org/2012/	3.75
			Crenganiș, M., Breaz, R., Racz, G. , Bologa, O., <i>The Inverse Kinematics Solutions of a 7 DOF Robotic Arm Using Fuzzy Logic</i> , the 7th IEEE Conference on Industrial Electronics and	3.75

RACZ Sever-Gabriel, Fișa de verificare a îndeplinirii standardelor minimale

			Applications (ICIEA 2012), Singapore, July 18-20 2012, ISBN 978-1-4577-2118-2, pp. 518 – 523, 2012, (Scopus, IEEE Explore), DOI 10.1109/ICIEA.2012.6360783, http://www.ieeeiciea.org/2012/	
			Crenganiș, M., Bologa, O., Breaz, R., Racz, G. , <i>The Inverse Kinematics Solutions of a 7 DOF Robotic Arm Using Fuzzy Logic</i> , Bulletin of the Polytechnic Institute of Iași, Vol. LVII(LXI), Fascicle 4 - Machine Constructions, pp. 74-82, ISSN 1011-2855, Iași, 2011 (Index Copernicus)	3.75
			Tera, M., Breaz, R.E., Oleksik, V., Bologa, O., Racz, G. , <i>Simulations Regarding a CNC Milling Machine Feed Drive used in Forming Processes</i> , Bulletin of the Polytechnic Institute of Iași, Vol. LVII(LXI), Fascicle 4 - Machine Constructions, pp. 242-249, ISSN 1011-2855, Iași, 2011 (Index Copernicus)	3
			Bologa, O., Chicea, A., Breaz, R.E., Racz, G.S. , Gîrjob, C., Biriș, C., <i>Studiul regimului de conturare al mașinilor unelte de ștanțat cu comandă numerică</i> , Buletinul AGIR, nr. 4/2010, ISSN-L 1224-7928, 2010 (indexare Copernicus), http://journals.indexcopernicus.com/karta.php?action=masterlist&id=5724 http://www.buletinulagir.agir.ro/articol.php?id=838	2.5
			Breaz, R.E., Bologa, O., Racz, G. , Oleksik, V., Gîrjob, C., <i>Low-cost solutions for manipulation tasks in manufacturing systems: balancing costs and performances</i> , Proceedings of the 5th International Federation of automatic Control (IFAC) Conference on Management and Control of Production and Logistics MCPL, Coimbra, Portugal, September 8-10, 2010, ISSN 1474-667, 2010 (Scopus, http://www.ifac-papersonline.net/Detailed/44607.html)	3
			Gîrjob, C., Racz, S.G. , Bologa, O., <i>The Determination of the Forming Limit Curve Using a Modular Device</i> , Academic Journal of Manufacturing Engineering, Volume 8/2010, Issue 2, Editura Politehnica, Timisoara, ISSN 1583-7904, pp. 39-44, 2010, (http://www.eng.utt.ro/auif/journal_vol_8_2010_no_2.html)	5
			Breaz, R.E., Bologa, O., Racz, G. , Oleksik, V., <i>Low-Cost Solution for Manipulating Tasks</i> , Academic Journal of Manufacturing Engineering, Volume 8, Volume 2/2010, Editura Politehnica, Timisoara, ISSN 1583-7904, pp. 14-19, 2010 (http://www.eng.utt.ro/auif/journal_vol_8_2010_no_2.html)	3.75
			Racz, S-G. , Khan, S., Chalal, H., Abed-Meraim, F., Balan T., <i>Prediction of Springback After Draw-Bending Test Using Different Material Models</i> , International Conference “Advanced in Materials and Processing Technologies” AMPT-2010, Paris, 24-27.10.2010, on-line proceedings, www.ampt2010.org , doi: 10.1063/1.3552481, http://adsabs.harvard.edu/abs/2011AIPC.1315..419R)	3
			Oleksik, V., Bologa, O., Racz, G. , Breaz, R. Deac, C., <i>Study regarding the influence of geometrical parameters during the incremental forming process</i> , The 9th International Conference on Technology of Plasticity – 2008, Gyeongju, Korea, September 7-11, ISBN 978-89-5708-152-5, Advanced Technology of Plasticity, pp. 963-968, 2008, http://adsabs.harvard.edu/abs/2010AIPC.1252.1208Q , doi: 10.1063/1.3457520	3
			Racz, S.G. , Bologa, O., Breaz, R.E., <i>Optimisation of the eccentric press structure</i> , WSEAS Transactions on Systems, vol. 6, no. 1, January, 2007, ISSN 1109-2777, pp. 186-189,	5

RACZ Sever-Gabriel, Fișa de verificare a îndeplinirii standardelor minime

			2007, http://wseas.org/cms.action?id=6853	
			Breaz, R.E., Bologa, O., Racz, S.G. , Oleksik, V., <i>Motion control with fuzzy controllers - a study by means of simulation</i> , WSEAS Transactions on Systems, vol. 6, nr. 1, January 2007, ISSN 1109-2777, pp. 96-101, 2007, http://wseas.org/cms.action?id=6853	3.75
			Oleksik, V., Bologa, O., Racz, S.G. , Breaz, R.E., <i>Numerical Simulations and Experimental Researches for Determining the Forces of Incremental Sheet Forming Process</i> , Proceedings of the 10 th ESAFORM Conference on Material Forming, 18-20 April 2007, Zaragoza, Spain, Published in American Institute of Physics, ISBN 978-0-7354-0414-4, pp. 245-251, 2007, http://scitation.aip.org/content/aip/proceeding/aipcp/907	3.75
			Cioca, L.I., Breaz, R.E., Racz, S.G. , <i>Multi-criteria decision making techniques used in manufacturing processes reengineering based upon modelling and simulation</i> , WSEAS Transactions on Systems, vol. 5, no. 12, December 2006, ISSN 1109-2777, pp. 2813-2818, 2006, http://wseas.org/cms.action?id=6853	5
			Girjob, C., Bologa, O., Racz, S.G. , <i>Study of the formability of metallic material with low plasticity</i> , În: Acta Universitatis Cibiniensis - Technical Series, Vol. LII, ISSN 1583-7149, Sibiu, pp. 85-88, 2005. http://www.degruyter.com/view/j/aucts	5
			Bologa, O., Racz, S.G. , Oleksik, V., <i>The improvement of the Mechanical Press Performances Using Structural Optimization</i> . Conferința cu participare internațională TEHNO'03, Timișoara, În: Academic Journal of Manufacturing Engineering, Vol.1., No.2/2003, Editura Politehnica, Timișoara, ISSN 1583-7904, pp. 36-40, 2003.	5
			Racz, S.G. , Bologa, O., Breaz, R.E., <i>Comparative Analysis of Rigid and Flexible Structures of the Eccentric Presses</i> , Proceedings of the 4 th International Federation of Automatic Control (IFAC) on Management and Control of Production and Logistics MCPL, Sibiu, September 27-30, 2007, ISBN 978-973-739-481-1, pp. 887-890, 2007, http://www.ifac-papersonline.net	5
			Breaz, R.E., Bologa, O., Racz, S.G. , <i>Improving CNC Machine Tools Accuracy using Modeling and Computer Simulation Techniques</i> , Proceedings of the 4 th International Federation of Automatic Control (IFAC) on Management and Control of Production and Logistics MCPL, Sibiu, September 27-30, 2007, ISBN 978-973-739-481-1, pp. 881-886, 2007, http://www.ifac-papersonline.net	5
			Oleksik, V., Racz, S.G. , Bologa, O., Deac, C., <i>Roughness control of parts obtained through incremental sheet forming</i> , Proceedings of the 4 th International Federation of Automatic Control (IFAC) on Management and Control of Production and Logistics MCPL, Sibiu, September 27-30, 2007, ISBN 978-973-739-481-1, pp. 891-896, 2007, http://www.ifac-papersonline.net	3.75
			Breaz, R.E., Bologa, O., Oleksik, V., Racz, S.G. , <i>Computer Simulation for the Study of CNC Feed Drives Dynamic Behavior and Accuracy</i> , The IEEE Region 8 EUROCON 2007, International Conference on "Computer as a tool", ISBN 1-4244-0813-X, IEEE Catalog No. 07EX1617C, Library of Congress: 2006937182, Warsaw University of Technology, Warsaw, Poland, September 9-12, 2007, http://ieeexplore.ieee.org/xpl/conhome.jsp?reload=true&punumber=4400217	3.75
			Breaz, R. E., Bologa, O., Racz S.G. , Cioca, L. I. , <i>Fuzzy Controllers Simulation for CNC Feed Drives</i> , The 2nd WSEAS International Conference on Dynamical Systems and Control	3.75

RACZ Sever-Gabriel, Fișa de verificare a îndeplinirii standardelor minimale

			(CONTROL '06), Bucharest, Romania, October 16-18 2006, ISSN: 170-5117, ISBN 960-8457-54-8, pp. 68-71, 2006; http://www.worldses.org/online/2006.htm	
			Cioca, L. I., Breaz, R. E., Racz, S.G. , <i>Fuzzy Logic Techniques used in Manufacturing Processes Reengineering</i> , Proceedings of the 6th WSEAS International Conference on Simulation, Modelling and Optimization (SMO '06), Lisbon, Portugal, September 22-24, 2006, ISSN: 1790-5117, ISBN 960-8457-53-X, pp. 530-533, 2006; http://www.worldses.org/online/2006.htm	5
	2.3 Articole in extenso în Reviste /Proceedings naționale /internaționale neindexate	Se admit maxim 2 articole la aceeași ediție	Breaz, R.E., Bologa, O., Racz, G. , Oleksik, V., <i>Improving CNC machine tools accuracy by means of the circular test and simulation</i> , Proceedings of the International Conference on Manufacturing Systems – ICMaS 2010, Bucharest, november, 2010, publicată în Proceedings in Manufacturing Systems, vol.5, no. 3, 2010, Editura Academiei Romane, ISSN 2067-9238, pp. 157-162, 2010	1
			Beck, W., Schupp, P., Bologa, O., Breaz, R., Racz, G. , Ionescu, F. 2009, <i>Using a Neuro-fuzzy model to Calculate the Optimal Ratio Between Disciplines from Various Fields for Mechatronics Specialization</i> , International Technology, Education and Development Conference INTED 2009, 9-11 March 2009, Valencia, Spain, ISBN 978-84-612-7578-6, 2009 (http://library.iated.org/view/SCHUPP2009USI)	0.66
			Schupp, P., Beck, W., Bologa, O., Breaz, R., Racz, G. , Ionescu, F. 2009, <i>Using Fuzzy Logic Approach for Optimizing the Specialty Curricula in Engineering Studies</i> , International Technology, Education and Development Conference INTED 2009, 9-11 March 2009, Valencia, Spain, ISBN 978-84-612-7578-6, 2009 (http://library.iated.org/view/BECK2009USI)	0.66
			Chicea, Anca, Bologa, O., Breaz, R., Racz, G. , 2009, <i>Interpolation algorithms Simulation by Means of MATLAB SIMULINK Software Package</i> , Proceedings of the 4rd International Conference on Manufacturing Science and Education/ MSE Sibiu 2009, Volume I, June, 2009, ISSN 1843 – 2522, pp. 241-244, 2009	1
			Breaz, R.E., Bologa, O., Bogdan, L., Racz, G. , 2009, <i>Robotic Manipulator with PLC Based Automation System and Wires Transmission</i> , Conferința ICMS 2009, publicată în Buletinul Institutului Politehnic din Iași, Secția Construcții de Mașini, Tomul LV (LIX), Fasc. 4, ISSN 1011 – 2855, pp. 45-53, 2009	1
			Breaz, R.E., Bologa, O., Racz, G. , Bogdan L., <i>Using Programmable Logic Controllers in Production Systems</i> , Proceedings of the 6th International Conference on Advanced Manufacturing Technologies ICAMaT 2009, Editura BREN, 153-158, Academic Journal of Manufacturing Engineering, Volume 7, Issue 4/2009, Editura Politehnica, Timisoara, ISSN 1583-7904, pp. 19-24, 2009	1
			Breaz, R.E., Bologa, O., Bogdan, L., Racz, G. , <i>Low Cost Robotic Manipulator with Flexible Automation System</i> , Proceedings of the 18th International Workshop on Robotics in Alpe-Adria-Danube Region, RAAD 2009, ISBN 978-606-521-315-9, pp. 31, 2009	1
			Schupp, P., Beck, W., Bologa, O., Breaz, R.E., Racz, G. , <i>Establishing the Optimal Ratio Between the Categories of Disciplines for Engineering Education in Multidisciplinary Specializations</i> , ICERI 2008 International Conference of Education, Research and Innovation, 17-19 November, Madrid, Spain, 2008, ISBN 978-84-612-5091-2	0.8

RACZ Sever-Gabriel, Fișa de verificare a îndeplinirii standardelor minime

			Breaz, R. E., Bologa, O. C., Racz, G. S. , Gîrjob, C., Biriș, C., <i>Determination of the Kinematic Dependencies Between the Movements for a Retrofitted Hob Sharpening Machine</i> , Proceedings of the International Conference on Manufacturing Systems – ICMaS, Bucharest, 13-14 November, 2008, Published by Editura Academiei, ISSN 1842-3183, pp. 213-218, 2008	0.8
			Racz, G. S. , Bologa, O. C., Breaz, R. E., Gîrjob, C., <i>Comparative Study Regarding the Linking Elements in the Finite Elements Models</i> , Proceedings of the International Conference on Manufacturing Systems – ICMaS, Bucharest, 13-14 November, 2008, Published by Editura Academiei, ISSN 1842-3183, pp. 363-366, 200	1
			Girjob, C., Bologa, O., Racz, S.G. , <i>Determination Methods of the Formability of Metallic Material with Low Plasticity</i> , Proceedings of the 15th International Conference on Manufacturing Systems – ICMaS, Bucharest, 26-27 October, 2006, Published by Editura Academiei, ISSN 1842-3183, p. 391-394, 2006;	1.33
			Racz, S.G. , Girjob, C., <i>Dynamic Behaviour of the Mechanical Presses</i> , Proceedings of the 15th International Conference on Manufacturing Systems – ICMaS, Bucharest, 26-27 October, 2006, Published by Editura Academiei, ISSN 1842-3183, p. 235-238, 2006;	2
			Bologa, O., Oleksik, V., Racz, S.G. , Experimental research for determining the forces on incremental sheet forming process. Proceedings of the 8 th ESAFORM Conference on Material Forming, 27-29 April 2005, Cluj-Napoca, Romania, ISBN 973-27-1174-4, Volume I, pp. 317-320, 2005.	1.33
			Racz, S.G. , Lemoine, X., Haddag, B., Abed-Meraim, F., <i>Implementation and Comparison of Advanced behaviour Laws for Sheet Metal Forming</i> , În: Proceedings of The 8 th ESAFORM Conference on Material Forming, Editor Prof. Dorel Banabic, Vol. I, The Publishing House of the Romanian Academy, ISBN 973-27-1174-4, Cluj-Napoca, Romania, pp.293-296, 27-29 April 2005.	1
			Racz, S.G. , Lemoine, X., Balan, T., <i>Implementation of advanced behaviour laws and validation in numerical prediction for sheet metal forming</i> , International Deep Drawing Research Group IDDRG'05 Conference, Besançon, France, 20-22 June 2005.	1.33
			Oleksik, V., Bologa, O., Racz, S.G. , <i>Experimental researches regarding the surface quality of parts obtained by incremental sheet metal forming</i> . Proceedings of the 4 th International Conference on Advanced Manufacturing Technologies ICAMat 2005, Bucharest, 3-4 november 2005, Editura Academiei Române, ISBN 973-27-1254-6, pp. 215-220, 2005.	1.33
			Cioca, L., Bologa, O., Racz, S.G. , <i>Fuzzy techniques used in reengineering of production systems</i> , În: Proceedings of 7 th International Research/Expert Conference „Trends in the Development of Machinery and Associated Technology” TMT 2003, Lloret de Mar, Barcelona, Spain, , ISBN 9958-617-18-8, pp. 485-488, 15-16 September 2003.	1.33
			Oleksik, V., Bologa, O., Racz, S.G. , <i>Numerical investigation of incremental sheet metal forming process using LS-DYNA</i> . International Conference “Aims for future of engineering science – 2003”, 5 th edition, Igalo, Muntenegru, ISBN 966-7282-95-3, pp. 37-44, 2003.	1.33
			Racz, S.G. , Bologa, O., Oleksik, V., <i>Study regards the design of incremental forming machine by mechatronic approach</i> . International Conference “Aims for future of engineering science – 2003”, 5 th edition, Igalo, Muntenegru, ISBN 966-7282-95-3, pp. 31-36, 2003.	1.33

RACZ Sever-Gabriel, Fișa de verificare a îndeplinirii standardelor minimale

			Pascu, A., Oleksik, V., Racz, S.G. , <i>Stresses and strains in plane plate of constant thickness with circular holes, loaded in structure's plane</i> , 9 th International Conference on Numerical Methods and Computational Mechanics NMCM2002, 15-19 July 2002, Miskolc, Ungaria, 2002.	1.33
			Racz, S.G. , Bologa, O., Oleksik, V. <i>Research regarding the introduction of the linking elements to the finite elements modelling of the eccentric presses structure</i> , A VI ^a Conferință Internațională de Comunicări Științifice "Tehnologii Moderne, Calitate, Restructurare T.C.M.R. – 2002. Tehnologii de deformare plastică, Tomul XLVIII(LII) secția Construcții de Mașini, Iași – Chișinău, ISSN 1011-2855, pp. 205-208, 2002.	1.33
			Racz, S.G. , Gîrjob, C., Duma, Ș., <i>Study the influence of functional parameters to static behaviour of eccentric presses</i> , A VI ^a Conferință Internațională de Comunicări Științifice "Tehnologii Moderne, Calitate, Restructurare T.C.M.R. – 2002. Tehnologii de deformare plastică, Iași – Chișinău, Buletinul Institutului Politehnic din Iași, Tomul XLVIII(LII), supliment I, secția Construcții de Mașini, ISSN 1011-2855, pp. 201-204, mai 2002.	1.33
			Oleksik, V., Bologa, O., Racz, S.G. , <i>Unconventional sheet metal forming processes – method and experimental layout</i> , Ed.: Prof. Dr. Ardesir Gurun, Prof. Dr-Ing. habil. Hartmut Bremer, 1 st International Congress on Mechatronics, Johannes Kepler University of Linz, Austria, July 3-6, 2002, 6p (paper no. 44), 2002.	1.33
			Racz, S.G. , Bologa, O., Oleksik, V., <i>Theoretic and experimental researches regarding the dynamic behavior of the mechanical eccentric presses</i> , Third International Conference on Materials and Manufacturing Technologies MATEHN'02, Cluj-Napoca, 12-14 septembrie 2002, În: Acta Technica Napocensis Vol. 45, Part. II, ISSN 1221-5872, pp. 428-433, 2002.	1.33
	2.4 Proprietate intelectuală, brevete de invenție și inovație, etc.		2.4.1 internaționale	
			2.4.2 naționale	
	2.5 Granturi /proiecte câștigate prin competiție	2.5.1 Director /responsabil - Minim 2D sau 4R pentru profesor	2.5.1.1 internaționale	
			Montages modulaire d'emboutissage de capacité 120 tonnes, nr. 3098, 2007-2008, Beneficiar : Agence Nationale de la Recherche – France, Centre d'Enseignement et de Recherche de l'Ecole Nationale Supérieure d'Arts et Métiers de Metz, - Director, 5000 Euro/2007-2008	5
			2.5.1.2 naționale	
			<i>Optimizarea structurală a presei mecanice cu excentric PAI63 în vederea îmbunătățirii performanțelor tehnologice</i> , 2003-2004, Consiliul Național al Cercetării Științifice din Învățământul Superior (C.N.C.S.I.S.), 36 mil. lei (2003), 55 mil.lei (2002), Nr.33740 / 2003, cod. 380, tema 6, (director)	2.5
			<i>Îmbunătățirea unor performanțe ale preselor mecanice folosite la prelucrarea materialelor compozite</i> , 2000-2001, Agenția Națională pentru Știință, Tehnologie și Inovare (A.N.S.T.I.), 15 mil. lei (2001), 21 mil. lei, (2000), Nr. 6229 / 2000, tema B2, (director)	1.25
		2.5.2 Membru în echipă	2.5.2.1 internaționale	
			<i>Promoting and Supporting Implementation of Biogas-Polygeneration: A systematic Approach Towards Sustainable Energy Consumption in Romania</i> , FP 6 Specific Support Action – ProBioPol, Call identifier: FP6-2005-TREN-4, No. 038387, Coordonator: AGIMUS GmbH – Germania, Partener: AGIR – Filiala Sibiu	4



			2.5.2.2 naționale	
			Sisteme agabaritice de control al mișcării plane și spațiale utilizabile în industria autovehiculelor, AGAMIS, PNCDI II - Programul 4 – Parteneriate în domenii prioritare 72-206/2008, (2008-2011), beneficiar: Centrul Național de Management Programe	8
			Tehnologie integrată de evaluare și compensare a erorilor sistemelor de prelucrare (TINCOMP), PNCDI II - Programul 4 – Parteneriate în domenii prioritare 71-011/2007, (2007-2010), beneficiar: Centrul Național de Management Programe	8
			Dezvoltarea infrastructurii de cercetare a unui laborator pentru testarea materialelor avansate utilizate în producția de caroserii auto (TESTMAT), PNCDI II - Programul 2 – Capacități 124 CPI/200, 2007-2008, beneficiar: Autoritatea Națională pentru Cercetare Științifică	4
			Materiale, tehnologii și echipamente pentru profilări plane și spațiale (MATEPROF), CEEX Nr. 130/2006, A.M.C.S.I.T. – Universitatea „Politehnica” din București, (2006-2008), beneficiar: Agenția Managerială de Cercetare Științifică, Inovare și Transfer Tehnologic	6
			Tehnologii avansate de încălzire rapidă în infraroșu a matrițelor pentru prelucrare la cald, CEEX Nr. 217/2006, A.M.C.S.I.T. – Universitatea „Politehnica” din București, (2006-2008), Beneficiar: Agenția Managerială de Cercetare Științifică, Inovare și Transfer Tehnologic	6
			Metode de modelare, simulare și producție virtuală bazată pe tehnologia informației și comunicării dedicată noii generații de sisteme de prelucrare reconfigurabile, CEEX Nr. 22/2005 – INFOSOC București, (2005-2007), beneficiar: INFOSOC	8
			Sisteme inteligente de prelucrare prin deformare plastică la rece în construcție modulară (SINTDEF), CEEX, A.M.C.S.I.T. – Universitatea „Politehnica” din București, Nr. 24/2005 (2005-2007), beneficiar: Agenția Managerială de Cercetare Științifică, Inovare și Transfer Tehnologic	6
			Studii și cercetări privind optimizarea presării unor materiale ușoare, Nr. grant 27657/2005, tip A, cod C.N.C.S.I.S Nr. 752/2005, 2005-2006, Beneficiar: Consiliul Național al Cercetării Științifice din Învățământul Superior	8
			Configurarea unui laborator de cercetare în domeniul sistemelor flexibile de prelucrare prin presare, cod A.M.C.S.I.T., Nr. 1365/2001, 2001-2003, Beneficiar: Agenția Managerială de Cercetare Științifică, Inovare și Transfer Tehnologică	6
			Dezvoltarea unui program complex de pregătire postuniversitară prin doctorat în domeniul materialelor, tehnologiilor și a echipamentelor pentru prelucrări prin deformare plastică, cod C.N.C.S.I.S, Tip D, Nr. 21/1998, 1998-2001, Beneficiar: Banca Mondială și Guvernul României	6
			Cercetări privind prelucrabilitatea unor materiale indigene prin deformare volumică radial-rotativă, cod C.N.C.S.I.S, Nr. 737/1997, 1997-1999, Beneficiar: Consiliul Național al Cercetării Științifice din Învățământul Superior	6
			Studii și cercetări privind tehnologiile moderne de deformare plastică a tablelor subțiri în pachet și posibilitățile implementării acestora în industria românească, Ministerul Educației și Cercetării, cod Nr. 1309/1997, B1, 1997-1999, Beneficiar: Ministerul Educației și Cercetării	6

RACZ Sever-Gabriel, Fișa de verificare a îndeplinirii standardelor minimale

				Generarea suprafețelor tehnice prin deformare plastică la rece cu bile și role: dezvoltare și implementare industrială, Ministerul Educației și Cercetării, cod Nr. 1309/1996, A2, 1996-1999, Beneficiar: Ministerul Educației și Cercetării	6
				Modernizarea mașinilor de rectificat și ascuțit din fabricația și exploatarea partenerilor industriali prin echiparea cu sisteme de comandă numerică, Nr. 1841 / 2003, 2003-2005, Agenția Managerială pentru Cercetare Științifică Inovare și Transfer Tehnologic, AMCSIT Politehnica București	6
				Dezvoltare laborator pentru cercetarea și testarea materialelor metalice, echipat cu mașini de testare INSTRON 5587, 4303 și sisteme de măsurare optică a deformațiilor GOM ARGUS și ARAMIS. Laboratorul face parte din structura Centrului de Studii și Cercetări pentru Deformări Plastice, recunoscut de Universitatea "Lucian Blaga" din Sibiu (http://centers.ulbsibiu.ro/cscdp/index.html)	40
				2.6 Coordonare /dezvoltare laborator / centru cercetare (dacă este didactic punctajul se cuantifică o singură dată)	
3.	Recunoașterea și impactul activității (A3)	3.1 Citări în reviste ISI și BDI	Responsabil	3.1.1 ISI	
				D.M. Neto, J. Coër, M.C. Oliveira, J.L. Alves, P.Y. Manach, L.F. Menezes, <i>Numerical analysis on the elastic deformation of the tools in sheet metal forming processes</i> , International Journal of Solids and Structures Special Issues, august 2016, http://dx.doi.org/10.1016/j.ijsolstr.2016.08.023 , citează: Chalal, H., Racz, S.G. , Balan, T., <i>Springback of Thick Sheet AHSS Subject to Bending Under Tension</i> , International Journal of Mechanical Sciences 59 (2012), ISSN 0020-7403, Elsevier Ltd., pp. 104-114, 2012	3.33
				L. Stürmer, I. Härter, J. H. C. de Souza, <i>A study on drawbead restraining force effectiveness</i> , Journal of the Brazilian Society of Mechanical Sciences and Engineering, ISSN 1678-5878, January 2016, Volume 38, Issue 1, pp. 109-117 citează: Chalal, H., Racz, S.G. , Balan, T., <i>Springback of Thick Sheet AHSS Subject to Bending Under Tension</i> , International Journal of Mechanical Sciences 59 (2012), ISSN 0020-7403, Elsevier Ltd., pp. 104-114, 2012	3.33
				Wurong Wang, Yuzhang Zhao, Zimin Wang, Meng Hua, Xicheng Wei, <i>A study on variable friction model in sheet metal forming with advanced high strength steels</i> , Tribology International, Volume 93, Part A, Pages 1-482 (January 2016), ISSN 0301-679X, pp. 17-28 citează: Chalal, H., Racz, S.G. , Balan, T., <i>Springback of Thick Sheet AHSS Subject to Bending Under Tension</i> , International Journal of Mechanical Sciences 59 (2012), ISSN 0020-7403, Elsevier Ltd., pp. 104-114, 2012	3.33
				Eduard Hryha, Ruslan Shvab, Martin Bram, Martin Bitzer, Lars Nyborg, <i>Composition</i> , Applied Surface Science (2016), http://dx.doi.org/10.1016/j.apsusc.2016.01.046 , ISSN: 0169-4332 citează: Cotigă, C., Racz, S.G. , Bologa, O., Breaz, R.E., <i>Researches Regarding the Usage of Titanium Alloys in Surface Chemical State of Ti powders and its Alloys: Effect of Storage Conditions and Alloy Cranial Implants</i> , Applied Mechanics and Materials, Vol 657, pp. 173-177	2.5

			Ivan V. Krechetov and Arkady A. Skvortsov, <i>Approach to the Study of Kinematics and Modeling Grip of 22 DOF Anthropomorphic Gripping Manipulator</i>, Indian Journal of Science and Technology, Vol 8(S10), DOI: 10.17485/ijst/2015/v8iS10/IPL0928, December 2015, ISSN (Print): 0974-6846, ISSN (Online): 0974-564 citează: Crenganiș, M., Breaz, R., Racz, G., Bologa, O., <i>The Inverse Kinematics Solutions of a 7 DOF Robotic Arm Using Fuzzy Logic</i>, the 7th IEEE Conference on Industrial Electronics and Applications (ICIEA 2012), Singapore, July 18-20 2012, ISBN 978-1-4577-2118-2, pp. 518 – 523, 2012, doi: 10.1109/ICIEA.2012.6360783	2.5
			Nagur A., Norhamidi M., Baba M.D, Ahmad Z., Shahrurum A., Achmed M., Mohd S., <i>Multi-regression modeling for springback effect on automotive body in white stamped parts</i>, Materials & Design, Volume 46, ISSN: 0261-3069, pp. 175-190, 2013 citează: Chalal, H., Racz, S.G., Balan, T., <i>Springback of Thick Sheet AHSS Subject to Bending Under Tension</i>, International Journal of Mechanical Sciences 59 (2012), ISSN 0020-7403, Elsevier Ltd., pp. 104-114, 2012	3.33
			Mitsuishi, M., Cao, J., Bartolo, P., Friedrich, D., Shih, A.J., Rajurkar, K., Sugita, N., Harada, K., <i>Biomanufacturing</i>, CIRP Annals – Manufacturing Technology, Vol. 62 (2013), pp. 585-606 citează: Oleksik, V., Pascu, A., Deac, C., Fleacă, R., Bologa, O., Racz, G. <i>Experimental study about the surface quality of the medical implants obtained by incremental forming</i>, International Journal of Material Forming, Springer-Verlag France, Vol. 3, Suppl. 1, 2010, ISSN 1960-6206, DOI 10.1007/s12289-010-0922-x, pp. 935-938	1.66
			Araújo, R., Teixeira, P., Montanari, L., Reis, A., Silva, M.B., Martins, P.A.F., <i>Single point incremental forming of a facial implant</i>, Prosthet Orthot Int 0309364613502071, first published on September 17, 2013 as doi:10.1177/0309364613502071 citează: Oleksik, V., Pascu, A., Deac, C., Fleacă, R., Bologa, O., Racz, G., <i>Experimental study about the surface quality of the medical implants obtained by incremental forming</i>, International Journal of Material Forming, Springer-Verlag France, Vol. 3, Suppl. 1, 2010, ISSN 1960-6206, DOI 10.1007/s12289-010-0922-x, pp. 935-938	1.66
			Jackson, K.P., Allwood, J.M., Landert, M., Incremental forming of sandwich panels, <i>Journal of Materials Processing Technology</i>, Volume 204, Issues 1-3, 11 August 2008, DOI:10.1016/j.jmatprotec.2007.11.117, p. 290-303, citează: Bologa, O., Oleksik, V., Racz G., <i>Experimental research for determining the forces on incremental sheet forming process</i>, Proceedings of the 8th ESAFORM Conference on Material Forming, 27-29 April 2005, Cluj-Napoca, Romania, ISBN 973-27-1174-4, Volume I, p. 317-320, 2005	3.33
			Fiorentino, A., Attanasio, A., Marzi, R., Ceretti, E., Giardini, C., <i>On forces, formability and geometrical error in metal incremental sheet forming</i>, International Journal of Materials and Product Technology, Volume 40, Number 3-4 / 2011, DOI: 10.1504/IJMPT.2011.039936, p. 277 – 295 citează: Oleksik, V., Bologa, O., Breaz, R. Racz, G., <i>Comparison between the numerical simulations of incremental sheet forming and conventional stretch forming process</i>, The 11th ESAFORM Conference on Material Forming, 23-25 April 2008, Lyon, France,	2.5

			Published in International Journal of Material Forming, ISSN 1960-6206 (Print) 1960-6214 (Online), Springer Paris doi: 10.1007/s12289-008-0153-6, Vol. 1 (2008), Supplement 1, paper 433, pp. 1187-1190, 2008	
			Zhao, G., Zhang, Q., Jiang, J., <i>Study on Biaxial Linkage for Full-Closed AC Servo System with Modeling and Experiment</i> , Advanced Science Letters, Volume 4, Numbers 6-7, June/July 2011, DOI: 10.1166/asl.2011.1510, p. 2009-2014(6) citează: Breaz, R.E., Bologa, O., Oleksik, V., Racz G. , <i>Computer Simulation for the Study of CNC Feed Drives Dynamic Behavior and Accuracy</i> , The IEEE Region 8 EUROCON 2007, International Conference on "Computer as a tool" Warsaw University of Technology, Warsaw, Poland, September 9-12, doi: 10.1109/EURCON.2007.4400575, pp. 2229-2233, 2007	2.5
			3.1.2 BDI	
			Hatefi, Shahrokh; Ghahraei, Omid; Bahraminejad, Behzad, <i>Design and Development of a Novel CNC Controller for Improving Machining Speed</i> , Majlesi Journal of Electrical Engineering, v. 10, n. 1, mar. 2016. ISSN 2345-3796, http://www.mjee.org/index/index.php/ee/article/view/1835 (jurnal indexat Ebsco, IET, DOAJ, ProQuest, Copernicus, getCited, Ulrich's International Periodicals Directory, citefactor, SIF), citează: Breaz, R.E., Bologa, O., Oleksik, V., Racz, G. , <i>Computer Simulation for the Study of CNC Feed Drives Dynamic Behavior and Accuracy</i> , The IEEE Region 8 EUROCON 2007, International Conference on "Computer as a tool" Warsaw University of Technology, Warsaw, Poland, September 9-12, doi: 10.1109/EURCON.2007.4400575, pp. 2229-2233, 2007	1.25
			Krechetov, Ivan Vladimirovich; Skvortsov, Arkady Alekseevich; Lavrikov, Pavel Sergeevich; Yatskin, Danil Vladilenovich, <i>Development of an Anthropomorphic Gripping Manipulator: The Study of Kinematics and Virtual Modeling of Grip</i> , American Journal of Applied Sciences 13.1 (2016): pp. 14-27 (jurnal indexat Scopus, EBSCO, ProQuest), ISSN Print: 1546-9239, ISSN Online: 1554-3641, DOI: 10.3844/ajassp.2015.865.874, http://thescipub.com/pdf/10.3844/ajassp.2016.14.27 , citează lucrarea: Crenganiș, M., Breaz, R., Racz, G. , Bologa, O., <i>The Inverse Kinematics Solutions of a 7 DOF Robotic Arm Using Fuzzy Logic</i> , The 7th IEEE Conference on Industrial Electronics and Applications (ICIEA 2012), Singapore, July 18-20 2012, ISBN 978-1-4577-2118-2, pp. 518 – 523, 2012, DOI 10.1109/ICIEA.2012.6360783, http://www.ieeeiciea.org/2012/	1.25
			Ibrahim, K., Hamdan, W.K., <i>Application of Adaptive Neuro-Fuzzy Inference System for Prediction of Surface Roughness in Incremental Sheet Metal Forming Process</i> , Eng. & Tech. Journal, Vol. 33, Part (A), No.2, 2015, p. 380-399, citează: Oleksik, V., Pascu, A., Deac, C., Fleacă, R., Bologa, O., Racz, G. , <i>Experimental study about the surface quality of the medical implants obtained by incremental forming</i> , International Journal of Material Forming, Springer-Verlag France, Vol. 3, Suppl. 1, 2010, ISSN 1960-6206, DOI 10.1007/s12289-010-0922-x, p. 935-938	0.83
			Duan Jinjun, Gan Yahui, Dai Xianzhong, Xu Xiang, Cao Pengfei, <i>Method of inverse kinematics solution for a redundant manipulator based on manipulability</i> , Journal of	1.25

			Huazhong University of Science and Technology (Natural Science Edition), 2015, v.43; No.393(S1), pp. 45-48+57,(indexare Google Scholar), ISSN 1671-4512, citează lucrarea: Crenganiș, M., Breaz, R., Racz, G., Bologa, O., <i>The Inverse Kinematics Solutions of a 7 DOF Robotic Arm Using Fuzzy Logic</i>, The 7th IEEE Conference on Industrial Electronics and Applications (ICIEA 2012), Singapore, July 18-20 2012, ISBN 978-1-4577-2118-2, pp. 518 – 523, 2012, DOI 10.1109/ICIEA.2012.6360783, http://www.ieeeiciea.org/2012/	
			Diego A. Alonso S., John E. Gil D., Fredy H. Martínez S., <i>Prototipo de máquina fresadora CNC para circuitos impresos</i>, Revista Tekhnê, Universidad Distrital Francisco José de Caldas, Bogota, Columbia, Enero - Junio 2015, Vol. 12, No. 1, pp. 23– 38, (indexare Google Scholar), ISSN 1692-8407, http://revistas.udistrital.edu.co/ojs/index.php/tekhne/article/view/10439/11456, citează lucrarea: Breaz, R., Racz, G., Bologa, O., Oleksik, V., <i>Motion Control of Medium Size CNC Machine-Tools - A Hands-on Approach</i>, The 7th IEEE Conference on Industrial Electronics and Applications (ICIEA 2012), Singapore, July 18-20 2012, ISBN 978-1-4577-2118-2, pp. 2112 – 2117, 2012, (Scopus, IEEE Explore), DOI 10.1109/ICIEA.2012.6361079 , http://www.ieeeiciea.org/2012/	1.25
			Jayson P. Rogelio and Renann G. Baldovino, <i>A PC-Based Controller for the Computer Numerically-Controlled (CNC) LASER Machine</i>, Proceedings of the International MultiConference of Engineers and Computer Scientists 2015 Vol I, IMECS 2015, March 18 - 20, 2015, Hong Kong, ISBN 978-988-19253-2-9, published in Lecture Notes in Engineering and Computer Science (jurnal indexat Scopus, CiteFactor, ISSN 2078-0958 (Print); ISSN 2078-0966 (Online), http://www.iaeng.org/publication/IMECS2015/IMECS2015_pp242-247.pdf, citează lucrarea: Breaz, R.,E., Bologa, O., Biris, Cristina, Racz, G., Girjob, Claudia, Oleksik, V., <i>Method for Improving the Contouring Accuracy for CNC Profiling Machines at the Shop Floor Level</i>, The 7th IEEE International Conference on Industrial Informatics, INDIN 2009, 24-26 iunie 2009, Cardiff, Marea Britanie, pp. 813-818, ISBN 978-1-4244-3760-3, ISSN 1935-4576	0.83
			Fred P. Liza, Cameron B. Yao, Joein L. Luces, Vincent Boy E. Manabat, and Renann G. Baldovino , <i>Development of a Low-Cost Controller for the 3-Axis Computer Numerically-Controlled (CNC) Plasma Cutting Machine</i>, Proceedings of the World Congress on Engineering and Computer Science 2015 Vol I, WCECS 2015, October 21-23, 2015, San Francisco, USA, published in Lecture Notes in Engineering and Computer Science (jurnal indexat Scopus, CiteFactor, ISSN 2078-0958 (Print); ISSN 2078-0966 (Online), http://www.iaeng.org/publication/WCECS2015/WCECS2015_pp372-376.pdf citează lucrarea: Breaz, R., Racz, G., Bologa, O., Oleksik, V., <i>Motion Control of Medium Size CNC Machine-Tools - A Hands-on Approach</i>, the 7th IEEE Conference on Industrial Electronics and Applications (ICIEA 2012), Singapore, July 18-20, 2012, ISBN 978-1-4577-2118-2, pp. 2112 – 2117, 2012, DOI 10.1109/ICIEA.2012.6361079 , http://www.ieeeiciea.org/2012/	1.25

RACZ Sever-Gabriel, Fișa de verificare a îndeplinirii standardelor minimale

			Fred P. Liza, Cameron B. Yao, Joein L. Luces, Vincent Boy E. Manabat, and Renann G. Baldovino, <i>Development of a Low-Cost Controller for the 3-Axis Computer Numerically-Controlled (CNC) Plasma Cutting Machine</i>, Proceedings of the World Congress on Engineering and Computer Science 2015 Vol I, WCECS 2015, October 21-23, 2015, San Francisco, USA, published in Lecture Notes in Engineering and Computer Science (jurnal indexat Scopus, CiteFactor, ISSN 2078-0958 (Print); ISSN 2078-0966 (Online), http://www.iaeng.org/publication/WCECS2015/WCECS2015_pp372-376.pdf citează lucrarea: Breaz, R.,E., Bologa, O., Biris, Cristina, Racz, G., Girjob, Claudia, Oleksik, V., <i>Method for Improving the Contouring Accuracy for CNC Profiling Machines at the Shop Floor Level</i>, The 7th IEEE International Conference on Industrial Informatics, INDIN 2009, 24-26 iunie 2009, Cardiff, Marea Britanie, pp. 813-818, ISBN 978-1-4244-3760-3, ISSN 1935-4576	0.83
			B.S.K.K. Ibrahim, Ahmed M.A. Zargoun, <i>Modelling and Control of SCARA Manipulator</i>, Procedia Engineering, Elsevier, ISSN: 1877-7058, Volume 42, 2014, pp. 106–113, (jurnal indexat Scopus, Elsevier, ScienceDirect) doi:10.1016/j.procs.2014.11.040, citează lucrarea: Crenganis, M., Breaz, R.E., Racz, G.S., Bologa, O.C., <i>Inverse Kinematics of a 7 DOF Manipulator using Adaptive Neuro-Fuzzy Inference Systems</i>, 12th International Conference on Control, Automation, Robotics and Vision, (ICARCV 2012), Guangzhou, China December 5-7, 2012, ISBN 978-1-4673-1870-9, pp. 1232-1237, 2012, (ISI Proceedings), doi 10.1109/ICARCV.2012.6485351	1.25
			Jiye HUANG, Jiaxiang LOU, Zhanxiong WU, Mingyu GAO, <i>An Improved Minimum Error Interpolator of CNC for General Curves Based on FPGA</i>, Sensors & Transducers, Vol. 170, Issue 5, May 2014, pp. 248-255, (jurnal indexat Scopus, EBSCO, Index Copernicus), ISSN: 2306-8515, e-ISSN 1726-5479, http://www.sensorsportal.com/HTML/DIGEST/may_2014/Vol_170/P_2068.pdf, citează lucrarea: Breaz, R., Racz, G., Bologa, O., Oleksik, V., <i>Motion Control of Medium Size CNC Machine-Tools - A Hands-on Approach</i>, The 7th IEEE Conference on Industrial Electronics and Applications (ICIEA 2012), Singapore, July 18-20 2012, ISBN 978-1-4577-2118-2, pp. 2112 – 2117, 2012, (Scopus, IEEE Explore), DOI 10.1109/ICIEA.2012.6361079, http://www.ieeeiciea.org/2012/	1.25
			Letiția Oprean, <i>Improving Teaching Methods in Higher Education by Implementing the Active, Participative Strategy</i>, Volume 20, Issue 2, Year 2014, pp. 36-42, Review of General Management, http://www.managementgeneral.ro/pdf/2_2014_3.pdf citează: Oleksik, V., Pascu, A., Mara, D., Bologa, O., Racz, G., Breaz, R., <i>Influence of geometric parameters on strain and thickness reduction in incremental forming process</i>, The 13th Conference on Metal Forming, Toyohashi - Japan, September 19-22, 2010, published on Journal “Steel Research International”, Vol. 81 (2010), Special Edition, nr. 9, Publishing Company: Verlag Stahleisen GmbH, ISBN 978-3-514-00754-1, pp. 930-933, 2010	0.83
			Ion Neagoe, Alexandru Catalin Filip, Alexandru Manolescu, <i>Digital Scanning Method for Thickness Analysis of Hollow Parts Manufactured by Incremental Forming on a CNC Lathe</i>,	1.25

			Applied Mechanics and Materials, Trans Tech Publications, Switzerland, Volume 657, 2014, pp. 142-146, doi: 10.4028/www.scientific.net/AMM.657.142, citează: Breaz, R., Tera, M., Bologa, O., Racz, G. , <i>Evaluating the Accuracy of the Parts Processed by Means of Incremental Forming Using CAD/CAM Techniques</i> , Buletinul Institutului Politehnic din Iași, Secția Construcții de Mașini, Tomul LIX (LXIII), Fascicula 3, ISSN 1011-2855, 2013, pp. 47-52	
			Baroiu, N., Teodor, V., Căpitănescu, V., <i>Repeatability analysis of drill positioning to a CNC vertical machining center</i> , Academic Journal of Manufacturing Engineering, Vol. 11 (2013), Issue 1, ISSN 1583-7904, p. 14-19, (jurnal indexat Ulrich's Database, Index Copernicus), citează: Breaz, R.E., Bologa, O., Oleksik, V., Racz G. , <i>Computer Simulation for the Study of CNC Feed Drives Dynamic Behavior and Accuracy</i> , The IEEE Region 8 EUROCON 2007, International Conference on "Computer as a tool" Warsaw University of Technology, Warsaw, Poland, September 9-12, doi: 10.1109/EURCON.2007.4400575, pp. 2229-2233, 2007	1.25
			Imtiaz A Choudhury, Vahid Ghomi, <i>Springback reduction of aluminum sheet in V-bending dies</i> , Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2013 , doi:10.1177/0954405413514225, citează: Chalal, H., Racz, S.G. , Balan, T., <i>Springback of Thick Sheet AHSS Subject to Bending Under Tension</i> , International Journal of Mechanical Sciences 59 (2012), ISSN 0020-7403, Elsevier Ltd., pp. 104-114, 2012	1.66
			Chirita B., <i>Spring-Back of Pre-Strained High Strength Steel Stripes</i> , Applied Mechanics and Materials, Volume 371, ISSN: 1662-7482, 10.4028/www.scientific.net/AMM.371.333, pp. 333-337, 2013 citează: Chalal, H., Racz, S.G. , Balan, T., <i>Springback of Thick Sheet AHSS Subject to Bending Under Tension</i> , International Journal of Mechanical Sciences 59 (2012), ISSN 0020-7403, Elsevier Ltd., pp. 104-114, 2012	1.66
			Froň P., Stachowicz F., <i>Springback Characteristics of the Tailor-Welded 18G2A-E355 Steel Strips</i> , Acta Metallurgica Slovaca, Vol. 19, No. 1, pp. 13-19, ISSN 1335-1532, 2013, citează: Chalal, H., Racz, S.G. , Balan, T., <i>Springback of Thick Sheet AHSS Subject to Bending Under Tension</i> , International Journal of Mechanical Sciences 59 (2012), ISSN 0020-7403, Elsevier Ltd., pp. 104-114, 2012	1.66
			Fron P., Stanchowicz F., <i>Bending force and springback characteristics of the Tailor-Welded 18G2A-E355 steel strips</i> , Folia Scientiarum Universitatis Technicae Resoviensis, Volume 284, Nr. 4/2012, ISSN: 2300-5211, pp. 5-14, 2012, citează: Chalal, H., Racz, S.G., Balan, T., <i>Springback of Thick Sheet AHSS Subject to Bending Under Tension</i> , International Journal of Mechanical Sciences 59 (2012), ISSN 0020-7403, Elsevier Ltd., pp. 104-114, 2012	1.66
			Hong Yan Ding, Mu Jian Xia, Yue Zhang, Guang Hong Zhou, <i>Numerical Simulation and Optimization of Drawing for Shallow Tapered Surface</i> , Advanced Materials Research, 2011, Trans Tech Publications, Switzerland, Volumes 291-294, pp. 682-686, doi: 10.4028/www.scientific.net/AMR.291-294.682, citează:	1.25

			Oleksik, V., Bologa, O., Breaz, R., Racz, G., <i>Comparison between the numerical simulations of incremental sheet forming and conventional stretch forming process</i>, The 11th ESAFORM Conference on Material Forming, 23-25 April 2008, Lyon, France, Published in International Journal of Material Forming, ISSN 1960-6206 (Print) 1960-6214 (Online), Springer Paris doi: 10.1007/s12289-008-0153-6, Vol. 1 (2008), Supplement 1, paper 433, pp. 1187-1190, 2008	
			Zhen Cui, Feng Ren, Z. Cedric Xia and Lin Gao, <i>Deformation Analysis of Multi-Stage Incremental Sheet Forming</i>, ASME 2010 International Manufacturing Science and Engineering Conference, Volume 1, Erie, Pennsylvania, USA, October 12-15, 2010, ISBN: 978-0-7918-4946-0 eISBN: 978-0-7918-3887-7, pp. 573-580; doi:10.1115/MSEC2010-34040, published by ASME Proceedings, Advances in Materials Forming, jurnal indexat în ASME (American Society of Mechanical Engineers) Digital Collection, citează lucrarea: Oleksik, V., Bologa, O., Racz, G., Breaz, R., <i>Numerical Simulations and Experimental Researches for Determining the Forces of Incremental Sheet Forming Process</i>, Proceedings of the 10th ESAFORM Conference on Material Forming, 18-20 April 2007, Zaragoza, Spain, Published in American Institute of Physics, ISBN 978-0-7354-0414-4, doi: 10.1063/1.2729519, pp. 245-251, 2007	1.25
			Wenxiang Zhang, Xianhong Kan, Aimin Yang, <i>Research on Vector Decoupled system of the Machine based on Internal Model Current Control</i>, WSEAS Transactions on Systems, Issue 5, Volume 7, May 2008, ISSN: 1109-2777, pp. 527-36, http://www.wseas.us/e-library/transactions/systems/2008/25-719N.pdf, citează: Breaz, R.E., Bologa, O., Racz, G., Oleksik, V., <i>Motion control with fuzzy controllers - a study by means of simulation</i>, WSEAS Transactions on Systems, vol. 6, nr. 1, January 2007, ISSN 1109-2777, pp. 96-101, 2007 (http://www.worldses.org/journals/systems/systems-january2007.doc)	1.25
			Iliescu, M., Tont, G., <i>Innovative device for measuring forces specific to various manufacturing processes</i>, WSEAS Transactions on Systems, Issue 6, vol. 7, June 2008, ISSN 1109-2777, pp. 802-811, 2006, http://www.wseas.us/e-library/transactions/systems/2008/27-441.pdf, citează: Cioca, L.I., Breaz, R.E., Racz, G., <i>Multi-criteria decision making techniques used in manufacturing processes reengineering based upon modelling and simulation</i>, WSEAS Transactions on Systems, vol. 5, no. 12, December 2006, ISSN 1109-2777, pp. 2813-2818, 2006 (http://www.worldses.org/journals/systems/systems-december2006.doc)	1.66
			Abed, S.Y., <i>A simulation study to increase the capacity of a rusk production line</i>, WSEAS Transactions On Information Science & Applications, Issue 9, Volume 5, September 2008, ISSN 1790-0832, pp. 1995-1404, http://www.wseas.us/e-library/transactions/information/2008/28-316.pdf, citează: Cioca, L.I., Breaz, R.E., Racz, G., <i>Multi-criteria decision making techniques used in manufacturing processes reengineering based upon modelling and simulation</i>, WSEAS Transactions on Systems, vol. 5, no. 12, December 2006, ISSN 1109-2777, pp. 2813-2818, 2006 (http://www.worldses.org/journals/systems/systems-december2006.doc))	1.66

RACZ Sever-Gabriel, Fișa de verificare a îndeplinirii standardelor minime

		Westkämper, E., Schraft, R.D., Schaaf, W., Schäfer, T. <i>Roboshaping-flexible inkrementelle blechumformung mit industrierobotern</i> , Werkstattstechnik online, Vol. 93, Nr. 1/2 – 2003, Springer-VDI-Verlag, pp. 7-11, citează: Oleksik, V., Bologa, O., Racz, G. , <i>Numerical simulation of local sheet metal forming processes</i> , Proceedings of the 12th International DAAAM Symposium “Intelligent Manufacturing & Automation: Focus on Precision Engineering”, Jena, Germania, ISBN 3-901509-19-4, p. 335-336, 2001	1.66
	3.2 Prezentări invitate în plenul unor manifestări naționale și internaționale și Profesor invitat (exclusiv ERASMUS)	3.2.1 internaționale Profesor invitat, Ecole Nationale Supérieure d’Arts et Métiers de Metz, Franța, aprilie-iulie 2008 Prezentarea în plenul Conferinței International Conference on Manufacturing Systems ICMaS 2010, București, 11-12 noiembrie 2010 a lucrării: Breaz, R.E., Bologa, O., Racz, G. , Oleksik, V., <i>Improving CNC machine tools accuracy by means of the circular test and simulation</i> , Proceedings of the International Conference on Manufacturing Systems – ICMaS 2010, Bucharest, november, 2010, publicată în Proceedings in Manufacturing Systems, vol.5, no. 3, 2010, Editura Academiei Romane, ISSN 2067-9238, pp. 157-162 http://edition2010.icmas.eu/Program_ICMAS_2010.pdf	20
		3.2.2. naționale	
	3.3 Membru în colectivele de redacție sau comitete științifice al revistelor și manifestărilor științifice / recenzor pentru reviste și manifestări naționale și internaționale indexate ISI	3.3.1 ISI Recenzor IEEE/ASME International Conference on Advanced Intelligent Mechatronics (AIM), ediția 2016, Banff, Alberta, Canada Recenzor Romanian Journal of Technical Sciences - Applied Mechanics Recenzor International Conference Optimization of the Intelligent and Automation Systems, OPTIROB, edițiile 2013, 2014	10 10 10
		3.3.2 BDI Recenzor 8th IFAC Conference on Manufacturing Modelling, Management and Control, 2016, Troyes, France Recenzor International Conference on Manufacturing Systems, Iași, ediția 2015 Recenzor International Conference on Mechanical Engineering Robotics and Aerospace, ICMERA, edițiile 2013, 2014, 2015, 2016 Recenzor International Conference Optimization of the Intelligent and Automation Systems, OPTIROB, edițiile 2015, 2016 Recenzor IFAC Symposium on Information Control in Manufacturing, ediția 2015 (INCOM 2015), Ottawa, Canada	8 8 8 8 8
		3.3.3 naționale și internaționale neindexate Recenzor The 3rd International Polymer Processing Conference, Sibiu, 7-8 noiembrie 2013	5
	3.4 Experiența de management, analiza și evaluare în cercetare și/sau învățământ	3.4.1 conducere Secretar științific al Consiliului Facultății de Inginerie, Universitatea “Lucian Blaga” din Sibiu (2008-2012) Director al Departamentului de Mașini și Echipamente Industriale (2015-prezent)	20 5
		3.4.2 membru	

RACZ Sever-Gabriel, Fișa de verificare a îndeplinirii standardelor minime

		3.5 Premii		ARACIS – Comisia Inginerie Industrială (2010-prezent)	12
				CNATDCU – Comisia 16: Inginerie Industrială și Management (2016 – prezent)	2
				3.5.1 Academia Română	
				3.5.2 ASA, AOSR, academii de ramură și CNCSIS	
				3.5.3 premii internaționale	
		3.6 Membru în academii, organizații, asociații profesionale de prestigiu, naționale și internaționale, apartenență la organizații în domeniul educației și cercetării	3.6.1 Academia Română 3.6.2 ASA, AOSR și academii de ramură 3.6.3 conducere asociații profesionale 3.6.4 Asociații profesionale 3.6.5 Organizații în domeniul educației și cercetării	3.5.4 premii naționale în domeniu	
				3.6.3.1 internaționale	
				3.6.3.2 naționale	
				3.6.4.1 internaționale	
				Membru VDI (Verein Deutscher Ingenieure)	5
				3.6.4.2 naționale	
				Membru AGIR (Asociația Generală a Inginerilor din România)	3
				Membru SRAIT (Societatea Română de Automatică și Informatică Tehnică)	3
				3.6.5.1 conducere	
				3.6.5.2 membru	

Condiții minime (A)			
Nr. crt.	Categorie		
	Domeniu de activitate	Condiții profesor	Punctaj candidat
1.	Activitate didactică/profesională (A1)	Minim 130 puncte	229.36
2.	Activitate de cercetare (A2)	Minim 230 puncte	509.65
3.	Recunoașterea impactului activității (A3)	Minim 70 puncte	211.58
Total		Minim 430 puncte	950.59