

Universitatea din Petroşani  
 Facultatea de Inginerie Mecanică și Electrică  
 Departamentul: Inginerie Mecanică, Industrială și Transporturi

Candidatură pentru abilitare:  
 Domeniul: Mine, Petrol și Gaze  
 Comisia CNATDCU: Inginerie Geologică, Inginerie Geodezică, Mine, Petrol și Gaze  
 Candidat: Conf. dr. ing. ANDRAȘ ANDREI

AVIZAT,  
 Director CSUD  
 prof. univ. dr. habilit. ing. Florin Dumitru POPESCU

## FIȘA DE VERIFICARE

a îndeplinirii standardelor minime naționale de prezentare la concurs pentru postul de profesor universitar

Anexa nr. 12 / Ordinul Nr. 6129 / 20.12.2016

Nr. Crt.	Domeniul activităților	Tipul activităților	Categorii și restricții	Subcategoriile	Indicatori unitari	Punctaj realizat
0	1	2	3	4	5	6
1	Activitatea didactică și profesională AI	1.1 Carti si capitole în carti de specialitate	1.1.1. Carti/ capitole ca autor; <b>pentru Profesor / CSI minim 4, din care 1 prim autor</b>	<b>1.1.1.1 Internationale</b>	<b>nr.pagini/ nr.aurori</b>	
				1. Sorin Mihai Radu, Florin Dumitru Popescu, <b>Andrei Andraș</b> , Ildiko Kertesz, <i>Mining Transportation and Equipment</i> , LAP Lambert Academic Publishing, 2019, ISBN: 978-3-330-34503-4	=292/4	73
				2. Tomuș O.B., Jula D, <b>Andras A.</b> , Popescu F., <i>Study On The Operating Lifetime Of The Break Pads Of The Loadinghauling Machines. - Monografia Problemy Transportu I Przerobki W Gornictwie Modelowanie Procesow</i> , pag. 247 – 254, Akademia Gorniczo-Hutnicza. Krakow 2017. ISBN 978-83-930353-7-3	=8/4	2
				3. <b>A. Andraș</b> , I. Andraș, C.A. Alexandru Stoica, <i>Optimal Design Of Teeth For Bucket Wheel Excavators In View To Increasing The Cutting Efficiency - Monografia Problemy Eksploatacji I Zarzadzania W Gornictwie</i> . 9-16 pp, Akademia Gorniczo-Hutnicza. Krakow 2017, ISBN 978-83-930353-7-3	=8/4	2
				4. Radu, S.M, <b>Andraș, A.</b> , Prip, I, Ionișescu, N., <i>An overview of results obtained in the field of water jet and water jet assisted cutting of different rocks and materials</i> , <i>Monografia Nowoczesne metody eksploatacji węgla i skal związanych</i> . Krakow, 2015. Pag. 52-59, Akademia Górnictwo-Hutnicza.. Krakow, ISBN 978-83-930353-5-9	=8/4	2

			5. <b>Andraș, A.</b> , Andraș, I., Kovacs, J, Tomuș. O.B., <i>Artificial Intelligence, Mechatronics and robotics in Mining Equipment Development, Monografia Problemy transportu i przeróbki w górnictwie. Modelowanie procesów. Krakow, 2015. Pag. 134-149, Akademia Górniczo-Hutnicza.. Krakow, 2015, ISBN 978-83-930353-9-7</i>	=16/4	4
			6. Kovacs, J, Andraș, I., <b>Andraș, A.</b> , Tomuș. O.B., <i>Overview Of The Results Obtained In The Field Of Rock Cutting In Underground And Open Pit Conditions. Monografia Nowoczesne metody eksploatacji węgla i skał zwięzłych. Krakow, 2013. Pag. 9-16, Akademia Górniczo-Hutnicza.. Krakow, ISBN 978-83-930353-1-1</i>	=8/4	2
			<b>1.1.1.2 Naționale (Edituri recunoscute CNC SIS)</b>	<b><u>nr. pagini/</u></b> <b><u>(2*nr. autor</u></b> <b><u>i)</u></b>	
			1. Popescu Florin Dumitru, Radu Sorin Mihai, <b>Andras Andrei</b> , Brinas Ildiko, <i>Infografică, modelare și simulare asistată de calculator</i> , Editura Universitas, Petroșani, 2020, ISBN 978-973-741-714-5, (388 p.)	=388/(2*4)	48,5
			2. Brinas Ildiko, Radu Sorin Mihai, Popescu Florin Dumitru, <b>Andras Andrei</b> , <i>Modelarea și simularea procesului de dislocare utilizând excavatoare cu rotor</i> , Editura Universitas, Petroșani, 2020, ISBN 978-973-741-686-5, (205 p.)	=205/(2*4)	25,63
			3. Radu Sorin Mihai, Popescu Florin Dumitru, <b>Andras Andrei</b> , Kertesz Ildiko, <i>Transport si instalatii miniere</i> , Editura Universitas, Petroșani, 2018, ISBN 978-973-741-587-5, (281 p.)	=281/(2*4)	35,12
			4. <b>Andras Andrei</b> , <i>Ingineria proiectării echipamentelor pentru industria extractivă</i> , Editura Universitas, Petroșani, 2014, ISBN 978-973-741-300-0 (176 p.)	=176/(2*1)	88
		1.1.2. Carti/capitole de carti ca editor/ coordonator	<b>1.1.2.2. Naționale</b>	<b><u>nr. pag/</u></b> <b><u>(3*nr. autori)</u></b>	
			1. Universitatea din Petroșani – <i>MONOGRAFIE, 1948 – 2018</i> , Editura Universitas, Petoșani, 2018, ISBN 978-973-741-580-6 (717 p.)	=717/(3*9)	26,55
	1.2 Suport didactic	1.2.1 Manuale, suport de curs; <b>pentru Profesor / CSI: Minim 2 din care 1 ca prim autor;</b>	<b>1.2.1 Manuale, suport de curs</b>	<b><u>nr. pagini/</u></b> <b><u>(6*nr. autori)</u></b>	
			1. Popescu Florin Dumitru, Radu Sorin Mihai, <b>Andraș Andrei</b> , Brinas Ildiko, <i>Infografică, modelare și simulare asistată de calculator</i> , varianta electronică interactivă, Editura Universitas, Petroșani, 2020, ISBN 978-973-741-715-2, (565 p.)	=565/(6*4)	23,54
			2. Brinas Ildiko, Radu Sorin Mihai, Popescu Florin Dumitru, <b>Andras Andrei</b> , <i>Modelarea și simularea procesului de dislocare utilizand excavatoare cu rotor – varianta electronică</i> , Editura Universitas, Petroșani, 2020, ISBN 978-973-741-693-3, (283 p.)	=283/(6*4)	11,79

				3. Dinescu Stela, <b>Andras Andrei</b> , <i>Analiza accidentelor de circulatie - accidentologie</i> , Editura Universitas, Petrosani, 2019, ISBN 978-973-741-627-8, (212 p.)	=212/(6*2)	17,66
				4. Radu Sorin Mihai, Popescu Florin Dumitru, <b>Andras Andrei</b> , Kertesz Ildiko, <i>Transport si instalatii miniere – varianta electronica, aplicatii interactive</i> , Editura Universitas, Petroșani, 2018, ISBN 978-973-741-588-2, (442 p.)	=442/(6*4)	18,41
				5. <b>Andras Andrei</b> , <i>Instalații de ridicat și transportat</i> , Editura Universitas Petroșani, 2014 - ISBN 978-973-741-302-4 (165 p.)	=165/(6*1)	27,5
				6. <b>Andras Andrei</b> , <i>Modelare și simulare în transporturi</i> , curs, format digital realizat in Lectora, 2013. (219 p.)	219/(6*1)	36,5
		1.2.2. Indrumare de laborator/aplicatii; <b>pentru Profesor / CSI:</b> <b>Minim 2 din care 1 ca prim autor;</b>	<b>Indrumare de laborator/aplicatii</b>	<b>nr. pagini/ (6*nr. autori)</b>		
				1. <b>Andras Andrei</b> , <i>Instalații de transportat pe cablu. Construcție și calcul</i> Editura Universitas Petroșani, 2014-ISBN 978-973-741-303-1 (126 p.)	126/(6*1)	21
				2. <b>Andras Andrei</b> , <i>Teoria sistemelor de transport. Exemple de calcul</i> , Editura Universitas Petroșani, 2012-ISBN 978-973-741-301-7 (218 p.)	=220/(6*1)	36,66
		1.3. Coordonare de programe de studii, organizare și coordonare programe de formare continuă și proiecte educaționale	<b>Coordonare de programe de studii 15 (Punctaj unic pentru fiecare activitate)</b>			
			Sisteme de transport pentru turism, industrie și servicii (MASTER)			15
<b>PUNCTAJ TOTAL PE ACTIVITATEA A1 REALIZAT</b>						<b>516,86</b>
<b>PUNCTAJ TOTAL PE ACTIVITATEA A1 MINIM IMPUS</b>						<b>120</b>
<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
2	Activitatea de cercetare A2	2.1 Articole in reviste cotate ISI Thomson Reuters si in volume indexate ISI proceedings	<b>Minim 10 articole Pentru Profesor/ CSI</b>	<b>2.1 Articole in reviste cotate ISI Thomson Reuters si in volume indexate ISI proceedings</b>	<b>(25+20* factor impact)/nr. de autori</b>	
				1. Brînaș, I., <b>Andraș, A.</b> , Radu, S.M., Popescu, F.D., Andraș, I., Marc, B.I., Cioclu, A.R. <i>Determination of the Bucket Wheel Drive Power by Computer Modeling Based on Specific Energy Consumption and Cutting Geometry</i> . Energies, 2021, 14(3), 3892. I.F. 3,004 Q3. DOI:10.3390/en14133892. WOS:000671317100001 <a href="https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000671317100001">https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000671317100001</a>	=(25+20* 3,004)/7	12,15

			<p>2. <b>Andraş, A.</b>, Brînaş, I., Radu, S.M., Popescu, F.D., Popescu, V., Budilica, D.I. <i>INVESTIGATION OF THE THERMAL BEHAVIOUR FOR THE DISC-PAD ASSEMBLY OF A MINE HOIST BRAKE USING COMSOL MULTIPHYSICS</i>. Acta Technica Napocensis Series-Applied Mathematics Mechanics and Engineering, Volume: 64, Issue: 2, Pages: 227-234, Published: JUN 2021, ISSN: 1221-5872. <b>WOS: 000684576900004</b>.  <a href="https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000684576900004">https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000684576900004</a></p>	=25/6	4,17
			<p>3. Radu, S.M., Popescu, F.D., <b>Andraş, A.</b>, Andraş, I., Brînaş, I., Valceanu, F. <i>NUMERICAL ANALYSIS OF FATIGUE FOR THE ASSESSMENT OF REMAINING SERVICE LIFE OF THE ERC 1400-30/7 BUCKET WHEEL EXCAVATOR</i>. Proceedings Of The Romanian Academy Series A-Mathematics Physics Technical Sciences Information Science, 2021, 22 (2), 143-152. <b>I.F. 1,523 Q3. WOS: 000667515100005</b>.  <a href="https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000667515100005">https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000667515100005</a></p>	= $(25+20*1,523)/6$	9,24
			<p>4. Popescu, F. D., Radu, S. M., <b>Andraş, A.</b>, Brînaş, I. <i>Numerical Modeling of Mine Hoist Disc Brake Temperature for Safer Operation</i>. Sustainability, 2021, 13(5), 2874. <b>I.F. 3,251 Q2. WOS:000628676400001</b>.  <a href="https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000628676400001">https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000628676400001</a></p>	= $(25+20x3,251)/4$	22,51
			<p>5. Popescu, F.D., Radu, S.M., <b>Andraş, A.</b>, Brînaş, I., Marita, M.O., Rebedea, N.I., <i>The modal analysis, using simulation and modelling, of the boom of the ERC-1400 bucket-wheel excavator during operation</i>. Acta Technica Napocensis Series-Applied Mathematics Mechanics and Engineering, Volume: 63, Issue: 4, Pages: 353-362, Published: NOV 2020, ISSN: 1221-5872. <b>WOS: 000606612500002</b>.  <a href="https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000606612500002">https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000606612500002</a></p>	=25/6	4,17
			<p>6. Kotwica, K., Suffner, H., <b>Andras, A.</b> <i>Trenchless Execution of Microtunnels for Municipal Infrastructure in Urbanized Site – Conception of a New Solution</i>, Management Systems in Production Engineering, 2020, 28(4), 276-282. <b>WOS:000562281600009</b>.  <a href="https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000562281600009">https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000562281600009</a></p>	=25/3	8,33
			<p>7. Peter, E., <b>Andras, A.</b> <i>The Representational Space of the Jiu Valley: Space Perceived Through Direct Experience</i>. Postmodern Openings, 2020, 11(3), 129-144. <b>WOS:000577502200007</b>. DOI: 10.18662/po/11.3/203.  <a href="https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000577502200007">https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000577502200007</a></p>	=25/2	12,5

			<p>8. Popescu, F.D.; <b>Andraş, A.</b>; Kertesz (Brînaş), I., <i>Determination of the Operating Power of the Rotor of the ERC-1400 Type Bucket Wheel Excavator Using Numerical Methods</i>. Acta Technica Napocensis Series-Applied Mathematics Mechanics and Engineering, Volume: 63, Issue: 2, Pages: 137-142, Published: JUN 2020, ISSN: 1221-5872. <b>WOS:000550992100004</b>. <a href="https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000550992100004">https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000550992100004</a></p>	=25/3	8,33
			<p>9. Popescu, F.D.; Radu, S.M.; Kotwica, K.; <b>Andraş, A.</b>; Kertesz (Brînaş), I. <i>Simulation of the Time Response of the ERc 1400-30/7 Bucket Wheel Excavator's Boom during the Excavation Process</i>. Sustainability. 2019, 11 (16), 4357. <b>I.F. 2,592 Q2</b>. DOI:10.3390/su11164357 <b>WOS:000484472500101</b> <a href="https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000484472500101">https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000484472500101</a></p>	= $(25+20*2,592)/5$	15,37
			<p>10. Radu, SM; Popescu, FD; <b>Andras, A</b>; Brinas, IK; Tomus, OB , <i>Increasing the quality of the well drilling process by finite element analysis of the drilling fluid flow parameters</i>, QUALITY-ACCESS TO SUCCESS, Vol. 20, pp. 359-364, 2019, ISSN: 1582-2559. <b>WOS:000459686300063</b> <a href="https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000459686300063">https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000459686300063</a></p>	=25/5	5
			<p>11. Tomuş, O.B.; <b>Andraş, A.</b>; Jula, D.; Dinescu, S., <i>Aspects relating to the reliability calculation of the cutting-teeth mounted on the bucket wheel excavators used in lignite mining</i>. MATEC Web Conf., 290 (2019) 01020. <b>WOS:000569367700020</b>. DOI: 10.1051/mateconf/201929001020. <a href="https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000569367700020">https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000569367700020</a></p>	=25/4	6,25
			<p>12. Popescu, F.D.; Radu, S.M.; <b>Andraş, A.</b>; Kertesz (Brînaş), I., <i>A grafo-numeric method of determination of the operation power of the rotor of EsRc-1400 bucket wheel excavator using computer simulation in SolidWorks</i>. MATEC Web Conf., 290 (2019) 04007. <b>WOS:000569367700057</b>. DOI: 10.1051/MATECCONF/201929004007. <a href="https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000569367700057">https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000569367700057</a></p>	=25/4	6,25
			<p>13. Tomuş, O.B., <b>Andraş, A.</b>, Magyari, M., <i>Study on the reliability of the underground conveyor belt system installed at Vulcan Mine, the Jiu Valley Basin in Romania</i>, The 8<sup>th</sup> International Conference on Manufacturing Science and Education MSE, 7 – 9 June 2017, MATEC Web Conf. Volume 121, 2017, Sibiu, Romania, ISSN 2559-2963, ISSN-L 2559-2963, pp. 115-122. <b>WOS:000435283800117</b>. DOI: 10.1051/mateconf/201712110005 <a href="https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000435283800117">https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000435283800117</a></p>	=25/3	8,33

		14. Irimie S.I., Radu S.M., Petrilean D.C., <b>Andraş A.</b> , <i>Reducing the environmental impact of a gas operated cogeneration installation</i> , The 8 <sup>th</sup> International Conference on Manufacturing Science and Education MSE, 7 – 9 June 2017, MATEC Web Conf. Volume 121, 2017, Sibiu, Romania, ISSN 2559-2963, ISSN-L 2559-2963, pp. 876-884. <b>WOS:000435283800117</b> DOI: 10.1051/mateconf/201712101016 <a href="https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000435283800117">https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000435283800117</a>	=25/4	6,25
		15. Stela Dinescu, <b>Andrei Andras</b> <i>Analysis of Winning Performance of Shearer Loader Cutter Head using Modeling</i> , Proceedings of the 2nd WSEAS International Conference on ENGINEERING MECHANICS, STRUCTURES and ENGINEERING GEOLOGY (EMESEG '09), Rodos, Greece, July 22-24, 2009, ISSN: 1790-2769, Pages: 145-148. <b>WOS:000276584000021</b> <a href="https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000276584000021">https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000276584000021</a>	25/2	12,5
2.2. Articole in reviste si volumele unor manifestări științifice indexate în alte baze de date internaționale*	<b>Minim 20 articole pentru Profesor</b>	<b><u>2.2. Articole in reviste si volumele unor manifestări științifice indexate în alte baze de date internaționale</u></b>	<b><u>25/nr. de autori</u></b>	
		1. <b>András, E., András, E., Kovács, J.</b> A kőzetjövésztés hatékonyságának növelése mikrohullámú kezeléssel: Rock Excavation Efficiency Improvement by Microwave Treatment. XXII Nemzetközi Bányászati, Kohászati és Földtani Konferencia, 2021, 19-24. <a href="https://ojs.emt.ro/index.php/bkf/article/view/526">https://ojs.emt.ro/index.php/bkf/article/view/526</a> [Google Scholar]	=25/3	8.33
		2. Popescu, F.D., <b>Andraş, A.</b> <i>Research regarding the cuttability of sandstone hard inclusions in the conditions of Romanian lignite open pit mines</i> . Annals of the University of Petrosani Mechanical Engineering. 2020, Vol. 22, p39-42. 4p. [Ebsco, Google Scholar] <a href="https://www.upet.ro/annals/mechanical/pdf/2020/05_Popescu_Andras.pdf">https://www.upet.ro/annals/mechanical/pdf/2020/05_Popescu_Andras.pdf</a>	=25/2	12.5
		3. András, J., Kovács, J., <b>András, E.</b> , Kertész, I. and Tomuş, O.B., 2020. <i>Remaining Lifetime Assessment of Bucket Wheel Excavator's Boom Structure by Using Non-destructive Method</i> . Acta Materialia Transylvanica, 3(1), pp.10-14. <a href="https://doi.org/10.33924/amt-2020-01-02">https://doi.org/10.33924/amt-2020-01-02</a> <a href="https://content.sciendo.com/view/journals/amt/3/1/article-p10.xml">https://content.sciendo.com/view/journals/amt/3/1/article-p10.xml</a> [sciendo, Google Scholar]	=25/5	5.00
		4. András, J., Kovács, J., <b>András, E.</b> , Kertész, I. and Tomuş, O.B., 2020. <i>A marótárcsás kotrógépek gémszerkezete maradék élettartamának meghatározása roncsolásmentes módszerrel</i> . Acta Materialia Transylvanica, 3(1), pp.10-14. <a href="https://doi.org/10.33923/amt-2020-01-02">https://doi.org/10.33923/amt-2020-01-02</a> <a href="https://eda.eme.ro/bitstream/handle/10598/31878/Acta2020-1-HU-02-Andras.pdf?sequence=1&amp;isAllowed=y">https://eda.eme.ro/bitstream/handle/10598/31878/Acta2020-1-HU-02-Andras.pdf?sequence=1&amp;isAllowed=y</a> [Dspace]	=25/5	5.00
		5. Popescu, F.D., <b>Andraş, A.</b> , Kertész (Brinaş), I., <i>Determination of the capacity of a continuous transport system using spline type interpolation</i> , Annals of the University of Petrosani Mechanical Engineering. Vol. 21 (2019). ISSN 1454-9166 <a href="https://www.upet.ro/annals/mechanical/pdf/2019">https://www.upet.ro/annals/mechanical/pdf/2019</a>	=25/3	8.33

			<p>6. <b>Andraş, A.</b>, Kertész (Brînaş), I., Popescu, F.D., <i>Comparative study of the projecting distance of pedestrians in frontal collisions with vehicles using computer simulation.</i>, Annals of the University of Petrosani Mechanical Engineering. Vol. 21 (2019). ISSN 1454-9166 <a href="https://www.upet.ro/annals/mechanical/pdf/2019">https://www.upet.ro/annals/mechanical/pdf/2019</a></p>	=25/3	8.33
			<p>7. FD Popescu, SM Radu, <b>A Andraş</b>, IK Brînaş. (2019) <i>Simulation of the frequency response of the ERC 1400 Bucket Wheel Excavator boom, during the excavation process</i>, New Trends in Production Engineering 2 (1), 153-167. ISSN: 2545-2843 [Sciendo, Google Scholar]. DOI 10.2478/ntpe-2019-0016 <a href="https://content.sciendo.com/configurable/contentpage/journals\$002fntpe\$002f2\$002f1\$002farticle-p153.xml">https://content.sciendo.com/configurable/contentpage/journals\$002fntpe\$002f2\$002f1\$002farticle-p153.xml</a></p>	=25/4	6.25
			<p>8. FD Popescu, SM Radu, K Kotwica, <b>A Andraş</b>, IK Brînaş, S Dinescu. (2019) <i>Vibration analysis of a bucket wheel excavator boom using Rayleigh's damping model</i>, New Trends in Production Engineering 2 (1), 233-241. ISSN: 2545-2843 [Sciendo, Google Scholar.] DOI 10.2478/ntpe-2019-0024 <a href="https://content.sciendo.com/view/journals/ntpe/2/1/article-p233.xml">https://content.sciendo.com/view/journals/ntpe/2/1/article-p233.xml</a></p>	=25/6	4.17
			<p>9. FD Popescu, <b>A Andraş</b>, I Kertesz. (2019) <i>Balance survey/analysis of vertical transport installations using the Nyquist stability criterion</i>, ITM Web of Conferences 29, 01013 (2019). eISSN: 2271-2097 [Google Scholar, Crossref] <a href="https://doi.org/10.1051/itmconf/20192901013">https://doi.org/10.1051/itmconf/20192901013</a> <a href="https://search.crossref.org/?q=10.1051%2Fitmconf%2F20192901013">https://search.crossref.org/?q=10.1051%2Fitmconf%2F20192901013</a></p>	=25/3	8.33
			<p>10. Kovács J., András J., <b>András E.</b>, Popescu F.D., Kertész I. <i>A marótárcsás kotrógépek nehezen jöveszthető közetben való üzemeltetésére vonatkozó kutatások áttekintése</i>, 52. Bányagépzési és bányavillamossági konferencia, Balatongyörök, 2019. szeptember 26 – szeptember <a href="http://banyagepezsalapitvany.hu/home/p_index.php?module=konferenciak&amp;type=2019&amp;page=book">http://banyagepezsalapitvany.hu/home/p_index.php?module=konferenciak&amp;type=2019&amp;page=book</a></p>	=25/5	5.00
			<p>11. András, J., Kovács, J., <b>András, E.</b>, Kertész, I., Tomus, O. B. (2019). <i>A New Method for the Calculation of Energy and Power Requirements of Bucket Wheel Excavators</i>. <i>Műszaki Tudományos Közlemények (Papers On Technical Science)</i>, 10(1), 15-20. <a href="https://content.sciendo.com/view/journals/mtk/10/1/article-p15.xml">https://content.sciendo.com/view/journals/mtk/10/1/article-p15.xml</a></p>	=25/5	5.00
			<p>12. Tomuş, O. B., <b>Andraş, A.</b>, Jula, D., Dinescu, S. (2019). <i>Aspects relating to the reliability calculation of the cutting-teeth mounted on the bucket wheel excavators used in lignite mining</i>. In MATEC Web of Conferences (Vol. 290). EDP Sciences. <a href="https://search.proquest.com/openview/12658536f78b7a5004a84d402908c79c/1?pq-origsite=gscholar&amp;cbl=2040549">https://search.proquest.com/openview/12658536f78b7a5004a84d402908c79c/1?pq-origsite=gscholar&amp;cbl=2040549</a></p>	=25/4	6.25
			<p>13. Popescu, F. D., Radu, S. M., <b>Andraş, A.</b>, &amp; Kertész, I. (2019). <i>A grafo-numeric method of determination of the operation power of the rotor of EsRc-1400 bucket wheel excavator using computer simulation in SolidWorks</i>. In MATEC Web of Conferences (Vol. 290). EDP Sciences. <a href="https://search.proquest.com/openview/f80d4b8357dd4911db5c7046c77d0712/1?pq-origsite=gscholar&amp;cbl=2040549">https://search.proquest.com/openview/f80d4b8357dd4911db5c7046c77d0712/1?pq-origsite=gscholar&amp;cbl=2040549</a></p>	=25/4	6.25

			<p>14. András, J., Kovács, J., <b>András, E.</b>, Kertész, I., Tomus, O. B. (2019). <i>Új módszer a marótárcsás kotrógépek jövesztésienergia-és teljesítményigényeinek kiszámítására.</i>  <a href="https://eda.eme.ro/handle/10598/31156">https://eda.eme.ro/handle/10598/31156</a></p>	=25/5	5.00
			<p>15. Florin Dumitru Popescu, Sorin Mihai Radu, <b>Andrei Andraş</b>, <i>Study of functional performance improvements for cutting teeth mounted on bucket wheel excavators operating in Oltenia coal basin – Romania</i>, Mining – Informatics, Automation and Electrical Engineering, Nr 3 (355) 2018, pp. 7, 16, © Wydawnictwa AGH, Kraków 2018, ISSN 2449-6421 (online) ISSN 2450-7326 (printed) <a href="https://journals.indexcopernicus.com/search/details?id=44891">https://journals.indexcopernicus.com/search/details?id=44891</a> (Copernicus)</p>	=25/3	8.33
			<p>16. S. M. Radu, F. D. Popescu, <b>Andrei Andras</b>, I. Kertesz Brinas, O. B. Tomus, <i>Simulation and modelling of the forces acting on the rotor shaft of bwes, in order to improve the quality of the cutting process</i>, Annals of the University of Petroşani, Mechanical Engineering, Vol. 20 (2018), (XLVII), 2018, ISSN 1454-9166 <a href="https://www.upet.ro/annals/mechanical/">https://www.upet.ro/annals/mechanical/</a></p>	=25/5	5.00
			<p>17. Iosif Dumitrescu, <b>Andrei Andras</b>, Ildiko Brinas, <i>Modelling cutting-loading systems of bucket wheel excavators used in Oltenia lignite openpits</i>, Final Conference of BEWEXMIN project No. RFCR-CT-2015-00003, 12th-13th of June 2018 Wrocław, Poland  <a href="http://poltegor.igo.wroc.pl/bewexmin/#conference-calendar">http://poltegor.igo.wroc.pl/bewexmin/#conference-calendar</a></p>	=25/3	8.33
			<p>18. Florin Dumitru Popescu, Sorin Mihai Radu, <b>Andrei Andras</b>, <i>Ulepszenia w zakresie wydajności funkcjonalnej zębów tnących zamocowanych na koparkach wielonaczyniowych w zagłębiu węgla Oltenia w Rumunii</i>, MARG (MECHANIZACJA, AUTOMATYZACJA I ROBOTYZACJA W GÓRNICTWIE) V International Conference, 13-15 June 2018, Wisla, Poland.  <a href="https://www.cbidgp.pl/cbidgp_pl/files/files/Program_MARG%202018.pdf">https://www.cbidgp.pl/cbidgp_pl/files/files/Program_MARG%202018.pdf</a></p>	=25/3	8.33
			<p>19. Andras I, Kovacs J, <b>Andras E</b>, Radu S.M., Popescu F.D., Tomus O.B., <i>Uj eredmenyek a marotarcsas kotrogepek alkalmazasarol a nehezen jovesztheto beagyazodasok eseteben</i>, Banyagepeszeti es banyavillamossagi konferencia, Balatongyorok 2018, pp.41, 47  <a href="http://banyagepeszalapitvany.hu/datas/konferencia/2018/kiadvanypdf/kiadvany.pdf">http://banyagepeszalapitvany.hu/datas/konferencia/2018/kiadvanypdf/kiadvany.pdf</a></p>	=25/6	4.17
			<p>20. Kovacs J, Andras I, <b>Andras E</b>, Radu S.M., Popescu F.D., Kertesz (Brinas) Ildiko, <i>A marotarcsas kotrogepek teljesitmenyenek meghatarozasa grafikus-numericus modszerral</i>, Banyagepeszeti es banyavillamossagi konferencia, Balatongyorok 2018, pp.53, 63  <a href="http://banyagepeszalapitvany.hu/datas/konferencia/2018/kiadvanypdf/kiadvany.pdf">http://banyagepeszalapitvany.hu/datas/konferencia/2018/kiadvanypdf/kiadvany.pdf</a></p>	=25/6	4.17
			<p>21. Florin-Dumitru Popescu, József Kovács, Sorin Mihai Radu, <b>Andrei Andraş</b>, Ildikó Kertész (Brinas), <i>A Method Of Continuous Tilt Control Of The Bucket Wheel Excavators Using Inclinometers</i>, MultiScience - XXXII. microCAD International Multidisciplinary Scientific Conference, University of Miskolc, 5-6 September, 2018. ISBN 978-963-358-162-9,  <a href="http://www.uni-miskolc.hu/~microcad/publikaciok/2018/c2/C2_Popescu%20Florin%20Dumitru.pdf">http://www.uni-miskolc.hu/~microcad/publikaciok/2018/c2/C2_Popescu%20Florin%20Dumitru.pdf</a></p>	=25/5	5.00



			<p>22. Ildikó Kertész (Brînaş), Sorin-Mihai Radu, Florin-Dumitru Popescu, Iosif Andras, <b>Andrei Andras</b>, <i>A Numerical Method For The Calculus Of The Operation Power Of The Rotor Of A Bucket Wheel Excavator</i>, University of Miskolc, 5-6 September, 2018. ISBN 978-963-358-162-9 <a href="http://www.uni-miskolc.hu/~microcad/publikaciok/2018/d1/D1_Kerteszh_ildiko.pdf">http://www.uni-miskolc.hu/~microcad/publikaciok/2018/d1/D1_Kerteszh_ildiko.pdf</a></p>	=25/5	5.00
			<p>23. András József, Kovács József, <b>András Endre</b>, Tomuş Ovidiu Bogdan, Nan Marin Silviu, <i>Kutatásaink eredményei a külszíni fejtésekben alkalmazott berendezések, tanulmányozása terén (Results of Research Related to The Study of Equipment Used in Open Pit Mines)</i>, XX Bányászati, Kohászati és Földtani Konferencia, Gyulafehérvár, 2018. április 5-8. <a href="https://emt.ro/sites/default/files/archivum/program/Program.pdf">https://emt.ro/sites/default/files/archivum/program/Program.pdf</a></p>	=25/5	5.00
			<p>24. Maria Lazar, Iosif Andras, <b>Andrei Andras</b>, Florin D. Popescu, Sorin-Mihai Radu, Mircea Rîsteiu, <i>Overview of the Results of Researches Related to Adaptation of Bucket Wheel Excavators Operating in Romanian Lignite Open Pits for Excavation in Rocks with Increased Cutting Resistance</i>, 14th International Symposium of Continuous Surface Mining, ISCSM2018, Thessaloniki 23-26 September 2018, <a href="http://www.iscsm.gr/wp-content/uploads/2018/10/iscsm2018_book_of_abstracts_final.pdf">http://www.iscsm.gr/wp-content/uploads/2018/10/iscsm2018_book_of_abstracts_final.pdf</a></p>	=25/6	4.17
			<p>25. Iosif Andras, Maria Lazar, <b>Andrei Andras</b>, Sorin-Mihai Radu, Florin Vilceanu and Stela Dinescu, <i>New Method of Residual Lifetime Assessment of Bucket Wheel Excavators Operating in Romanian Lignite Open Pits</i>, 14th International Symposium of Continuous Surface Mining, ISCSM2018, Thessaloniki 23-26 September 2018 <a href="http://www.iscsm.gr/wp-content/uploads/2018/10/iscsm2018_book_of_abstracts_final.pdf">http://www.iscsm.gr/wp-content/uploads/2018/10/iscsm2018_book_of_abstracts_final.pdf</a></p>	=25/6	4.17
			<p>26. M. Lazar, I. Andras, F. Faur, <b>A. Andras</b>, <i>Influence of physical, mechanical and technological characteristics of coal and overburden rocks on the excavation process</i>, International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM 17 (13), pp.445. DOI: 10.5593/sgem2017/13/S03.057 <a href="https://www.scopus.com/record/display.uri?eid=2-s2.0-85032512328&amp;origin=inward&amp;txGid=1a32bfc7c9114a29760f45b1e0ea039e">https://www.scopus.com/record/display.uri?eid=2-s2.0-85032512328&amp;origin=inward&amp;txGid=1a32bfc7c9114a29760f45b1e0ea039e</a></p>	=25/3	8.33
			<p>27. <b>A. Andras</b>, I. Andras, O.B. Tomuş, <i>Mathematical models of powered roof support interaction with surrounding rocks</i>, International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM 17 (13), pp.529. DOI: 10.5593/sgem2017/13/S03.067 <a href="https://www.scopus.com/record/display.uri?eid=2-s2.0-85032487107&amp;origin=inward&amp;txGid=008289372b6c76e66028ccb70d885684">https://www.scopus.com/record/display.uri?eid=2-s2.0-85032487107&amp;origin=inward&amp;txGid=008289372b6c76e66028ccb70d885684</a></p>	=25/3	8.33
			<p>28. O.B. Tomuş, I. Andras, I. <b>A. Andras</b>, <i>Reliability analysis of the brake pads of the wheeled front end loading and transportation machinery used in mining</i>, International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM 17 (13), pp.607. DOI: 10.5593/sgem2017/13/S03.094 <a href="https://www.scopus.com/record/display.uri?eid=2-s2.0-85032473633&amp;origin=inward&amp;txGid=91315fb812c6e6943a835c8852b39737">https://www.scopus.com/record/display.uri?eid=2-s2.0-85032473633&amp;origin=inward&amp;txGid=91315fb812c6e6943a835c8852b39737</a></p>	=25/3	8.33

			<p>29. <b>A. Andras</b>, F. Faur, M. Risteiu, <i>Overview Of The Unwanted Effects Of Unmineable Rock Formations On The Mining System Of Bucket Wheel Excavator During The Excavation Process</i>, International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM 17 (13), pp.637. DOI: 10.5593/sgem2017/13/S03.081  <a href="https://www.scopus.com/record/display.uri?eid=2-s2.0-85032496252&amp;origin=inward&amp;txGid=e888019a27b982ee52868070fd5a786">https://www.scopus.com/record/display.uri?eid=2-s2.0-85032496252&amp;origin=inward&amp;txGid=e888019a27b982ee52868070fd5a786</a></p>	=25/3	8.33
			<p>30. I. Andraş, <b>A. Andraş</b>, O.B. Tomuş, <i>Optimization of geometric and strength parameters of teeth for bucket wheel excavator in view to increasing the cutting efficiency</i>, International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM 17 (13), pp.741. DOI: 10.5593/sgem2017/13/S03.077  <a href="https://www.scopus.com/record/display.uri?eid=2-s2.0-85032499187&amp;origin=inward&amp;txGid=44f114d6bc821fb620f8ae7bf170289a">https://www.scopus.com/record/display.uri?eid=2-s2.0-85032499187&amp;origin=inward&amp;txGid=44f114d6bc821fb620f8ae7bf170289a</a></p>	=25/3	8.33
			<p>31. O.B. Tomus, A. Andras, I. Andras, <i>Study Of The Dependence Between The Cutting Direction Relative To Stratification And The Digging Characteristics Of Lignite In Oltenia Coal Basin (Romania)</i>, International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM 17 (13), pp. 825, DOI: 10.5593/sgem2017/13/S03.104  <a href="https://www.scopus.com/record/display.uri?eid=2-s2.0-85032514615&amp;origin=inward&amp;txGid=55e7fdb74da24a2f0e8fe1a09a109617">https://www.scopus.com/record/display.uri?eid=2-s2.0-85032514615&amp;origin=inward&amp;txGid=55e7fdb74da24a2f0e8fe1a09a109617</a></p>	=25/3	8.33
			<p>32. I. Andras, M. Lazar, <b>A. Andras</b>, <i>The correlation between physical-mechanical properties and the cutting characteristics in the case of unmineable rock formations from husnicioara lignite open pit</i>, International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM 17 (13), pp. 869.  <a href="https://www.scopus.com/record/display.uri?eid=2-s2.0-85032467427&amp;origin=inward&amp;txGid=1d2788239a711712b0beb21e4544003d">https://www.scopus.com/record/display.uri?eid=2-s2.0-85032467427&amp;origin=inward&amp;txGid=1d2788239a711712b0beb21e4544003d</a></p>	=25/3	8.33
			<p>33. F.D. Popescu, <b>A. Andras</b>, I. Kertesz, <i>The Method Of Minimizing The Calculated Power Of Vertical Transport Installations</i>, International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM 17 (13), pp. 901,  <a href="https://www.scopus.com/record/display.uri?eid=2-s2.0-85032476824&amp;origin=inward&amp;txGid=2a5408834c56fa93dd5b59d99f8b75c5">https://www.scopus.com/record/display.uri?eid=2-s2.0-85032476824&amp;origin=inward&amp;txGid=2a5408834c56fa93dd5b59d99f8b75c5</a></p>	=25/3	8.33
			<p>34. Kertész (B.), I., Andraş, A., Popescu, F.D., <i>Improving The Functional Performances Of The Bucket Wheel Excavators (Bwes) Cutting-Teeth</i>, Annals of the University of Petroşani, Mechanical Engineering, 19 (2017), pp.71-80,  <a href="https://web.ebscohost.com/abstract?direct=true&amp;profile=ehost&amp;scope=site&amp;authtype=crawler&amp;jrnl=14549166&amp;AN=130634374&amp;h=iH%2fm5SLK3sjUqR40x%2fJoYM4XnuO8fYIS7N2msHd%2bTMn%2bkD24HPD0GwuX4HeHXiZcXH2zqQhL4x33hm498dKVzq%3d%3d&amp;crI=c&amp;resultNs=AdminWebAuth&amp;resultLocal=ErrCrINotAuth&amp;crIhashurl=login.aspx%3fdirect%3dtrue%26profile%3dehost%26scope%3dsite%26authtype%3dcrawler%26jrnl%3d14549166%26AN%3d130634374">https://web.ebscohost.com/abstract?direct=true&amp;profile=ehost&amp;scope=site&amp;authtype=crawler&amp;jrnl=14549166&amp;AN=130634374&amp;h=iH%2fm5SLK3sjUqR40x%2fJoYM4XnuO8fYIS7N2msHd%2bTMn%2bkD24HPD0GwuX4HeHXiZcXH2zqQhL4x33hm498dKVzq%3d%3d&amp;crI=c&amp;resultNs=AdminWebAuth&amp;resultLocal=ErrCrINotAuth&amp;crIhashurl=login.aspx%3fdirect%3dtrue%26profile%3dehost%26scope%3dsite%26authtype%3dcrawler%26jrnl%3d14549166%26AN%3d130634374</a></p>	=25/3	8.33

			<p>35. S.M. Radu, W. Chmielarz, <b>A. Andras</b> - <i>Mining Technological System's Performance Analysis</i>, Annals of the University of Craiova for Journalism, Communication and Management, Volume 2, 2016, ISSN 2501-3513. <u>Indexata RePEc</u>, Google Scholar <a href="http://www.aucjc.ro/wp-content/uploads/2016/10/aujcjm-vol-2-2016-56-64.pdf">www.aucjc.ro/wp-content/uploads/2016/10/aujcjm-vol-2-2016-56-64.pdf</a></p>	=25/3	8.33
			<p>36. Andraş, I., <b>Andraş, A.</b>, Petrilean, D.C. - <i>Application of the theory of sonics in the design of percussive equipment for rock cutting</i>, Annals of the University of Petroşani, Mechanical Engineering, Vol. 18 (XLV), 2016, pag. 5-10, ISSN 1454-9166; (revistă categoria B+, cod CNCISIS 26; Indexată în Ulrich's Periodicals Directory, EBSCO Publishing Inc., <a href="https://web.a.ebscohost.com/abstract?direct=true&amp;profile=ehost&amp;scope=site&amp;authtype=crawler&amp;jrnl=14549166&amp;AN=130577918&amp;h=KvPan4fploy4XaD7aYGrdwL8HlrVlfu%2fQDr0wLwXy40IQM78TqkmC9OzyfbFXTq5V326lJoSQbqBothPtwa23Q%3d%3d&amp;crl=c&amp;resultNs=AdminWebAuth&amp;resultLocal=ErrCrlNotAuth&amp;crlhashurl=login.aspx%3fdirect%3dtrue%26profile%3dehost%26scope%3dsite%26authtype%3dcrawler%26jrnl%3d14549166%26AN%3d130577918">https://web.a.ebscohost.com/abstract?direct=true&amp;profile=ehost&amp;scope=site&amp;authtype=crawler&amp;jrnl=14549166&amp;AN=130577918&amp;h=KvPan4fploy4XaD7aYGrdwL8HlrVlfu%2fQDr0wLwXy40IQM78TqkmC9OzyfbFXTq5V326lJoSQbqBothPtwa23Q%3d%3d&amp;crl=c&amp;resultNs=AdminWebAuth&amp;resultLocal=ErrCrlNotAuth&amp;crlhashurl=login.aspx%3fdirect%3dtrue%26profile%3dehost%26scope%3dsite%26authtype%3dcrawler%26jrnl%3d14549166%26AN%3d130577918</a> <a href="http://upet.ro/annals/mechanical">http://upet.ro/annals/mechanical</a>)</p>	=25/3	8.33
			<p>37. <b>Andraş, A.</b>, Andraş, I., Radu, S.M. - <i>Study regarding the bucket-wheel excavators used in hard rock excavations</i>, Annals of the University of Petroşani, Mechanical Engineering, Vol. 18 (XLV), 2016, pag. 11-22, ISSN 1454-9166; (revistă categoria B+, cod CNCISIS 26; Indexată în Ulrich's Periodicals Directory, EBSCO Publishing Inc., Columbia University Libraries, SCIRIUS, Periodicals.ru, Suweco - <a href="http://upet.ro/annals/mechanical">http://upet.ro/annals/mechanical</a>) <a href="https://web.a.ebscohost.com/abstract?direct=true&amp;profile=ehost&amp;scope=site&amp;authtype=crawler&amp;jrnl=14549166&amp;AN=130577919&amp;h=ZmRDpzmBtpcD8F83pT2KwB97qbao5SCQvRlr5xY0eyXi5vPpSMUPIQ7q63lUMzoFd4k1MUC9fzTR7O0BPuOD2Q%3d%3d&amp;crl=c&amp;resultNs=AdminWebAuth&amp;resultLocal=ErrCrlNotAuth&amp;crlhashurl=login.aspx%3fdirect%3dtrue%26profile%3dehost%26scope%3dsite%26authtype%3dcrawler%26jrnl%3d14549166%26AN%3d130577919">https://web.a.ebscohost.com/abstract?direct=true&amp;profile=ehost&amp;scope=site&amp;authtype=crawler&amp;jrnl=14549166&amp;AN=130577919&amp;h=ZmRDpzmBtpcD8F83pT2KwB97qbao5SCQvRlr5xY0eyXi5vPpSMUPIQ7q63lUMzoFd4k1MUC9fzTR7O0BPuOD2Q%3d%3d&amp;crl=c&amp;resultNs=AdminWebAuth&amp;resultLocal=ErrCrlNotAuth&amp;crlhashurl=login.aspx%3fdirect%3dtrue%26profile%3dehost%26scope%3dsite%26authtype%3dcrawler%26jrnl%3d14549166%26AN%3d130577919</a></p>	=25/3	8.33
			<p>38. Iosif Andras, <b>Andrei Andras</b>, Stela Dinescu, <i>On the Correlation of Cutting Resistance and Physical-mechanical Properties of Lignite and Overburden Rocks from Oltenia Coalfield</i>, The publications of the MultiScience - XXX. MicroCAD International Scientific Conference, 2016, <a href="http://www.uni-miskolc.hu/~microcad/publikaciok/2016/A_2_Iosif_Andras.pdf">http://www.uni-miskolc.hu/~microcad/publikaciok/2016/A_2_Iosif_Andras.pdf</a></p>	=25/3	8.33
			<p>39. Petrilean D.C., Doşa, I., <b>Andraş, A.</b>, Preda., L. - <i>Pollutant Variation Estimation According to the Wind Speed and the Mass Flow of the Pollutant for Paroseni Thermal Power Station</i>, Annals of the University of Petroşani, Mechanical Engineering, Vol. 18 (XLV), 2016, pag. 127-132, ISSN 1454-9166; (revistă categoria B+, cod CNCISIS 26; Indexată în Ulrich's Periodicals Directory, EBSCO Publishing Inc., Columbia University Libraries, SCIRIUS, Periodicals.ru, Suweco - <a href="http://upet.ro/annals/mechanical">http://upet.ro/annals/mechanical</a>) <a href="https://web.a.ebscohost.com/abstract?direct=true&amp;profile=ehost&amp;scope=site&amp;authtype=crawler&amp;jrnl=14549166&amp;AN=130577933&amp;h=uvTxe4MNx10pPIVQ8ehSqp3qHR05EtiZQcnIVQz4gtFUeSqZRgn0cO8hGFqPeirg93qCbyuG6v6rjS%2ffe%2fpD4w%3d%3d&amp;crl=c&amp;resultNs=AdminWebAuth&amp;resultLocal=ErrCrlNotAuth&amp;crlhashurl=login.aspx%3fdirect%3dtrue%26profile%3dehost%26scope%3dsite%26authtype%3dcrawler%26jrnl%3d14549166%26AN%3d130577933">https://web.a.ebscohost.com/abstract?direct=true&amp;profile=ehost&amp;scope=site&amp;authtype=crawler&amp;jrnl=14549166&amp;AN=130577933&amp;h=uvTxe4MNx10pPIVQ8ehSqp3qHR05EtiZQcnIVQz4gtFUeSqZRgn0cO8hGFqPeirg93qCbyuG6v6rjS%2ffe%2fpD4w%3d%3d&amp;crl=c&amp;resultNs=AdminWebAuth&amp;resultLocal=ErrCrlNotAuth&amp;crlhashurl=login.aspx%3fdirect%3dtrue%26profile%3dehost%26scope%3dsite%26authtype%3dcrawler%26jrnl%3d14549166%26AN%3d130577933</a></p>	=25/4	6.25

			<p>40. József Kovács, <b>Andrei Andras</b>, <i>Reliability Analysis of the Belt Conveyors at Vulcan Mine Plant, Jiul Valley, Romania</i>, XXIX. microCAD International Scientific Conference, Miskolc, Hungary, Aprilie 9-10, 2015. ISBN: 978-963-358-018-9. Indexată Google Scholar. DOI: 10.26649/musci.2015.032 <a href="http://www.uni-miskolc.hu/~microcad/publikaciok/2015/C1_7_Kovacs_Jozsef.pdf">http://www.uni-miskolc.hu/~microcad/publikaciok/2015/C1_7_Kovacs_Jozsef.pdf</a>  <a href="https://www.semanticscholar.org/paper/Reliability-Analysis-of-the-Belt-Conveyors-at-Mine-Kov%C3%A1cs-Andra%C8%99/2a0d74874540f345d45e2f5a8bf9293211e95e17">https://www.semanticscholar.org/paper/Reliability-Analysis-of-the-Belt-Conveyors-at-Mine-Kov%C3%A1cs-Andra%C8%99/2a0d74874540f345d45e2f5a8bf9293211e95e17</a></p>	=25/2	12.50
			<p>41. <b>Andraş, A.</b>, Andraş, I. - <i>Applications of Artificial Intelligence and Mechatronics in Mining Equipment Development</i>. Annals of the University of Petroşani, Mechanical Engineering, 17 (2015), (XLIV), 2015, pag. 5-20, ISSN 1454-9166; (revistă categoria B+, cod CNCISIS 26; Indexată în Ulrich's Periodicals Directory, EBSCO Publishing Inc., Columbia University Libraries, SCIRIUS, Periodicals.ru, Suweco - <a href="http://upet.ro/annals/mechanical">http://upet.ro/annals/mechanical</a>) (Lucrare indexată Google Scholar.)  <a href="https://web.b.ebscohost.com/abstract?direct=true&amp;profile=ehost&amp;scope=site&amp;authtype=crawler&amp;jrnl=14549166&amp;AN=115210576&amp;h=VT6yJKEjC3N8%2byNXTpozWjuyjUHXI6pyohyr7NKms%2fCqLt8vM556szPB4A6%2fr81CGW9QZD1SN4ZHY1SPRfs%2bRA%3d%3d&amp;crl=c&amp;resultNs=AdminWebAuth&amp;resultLocal=ErrCrlNotAuth&amp;crlhashurl=login.aspx%3fdirect%3dtrue%26profile%3dehost%26scope%3dsite%26authtype%3dcrawler%26jrnl%3d14549166%26AN%3d115210576">https://web.b.ebscohost.com/abstract?direct=true&amp;profile=ehost&amp;scope=site&amp;authtype=crawler&amp;jrnl=14549166&amp;AN=115210576&amp;h=VT6yJKEjC3N8%2byNXTpozWjuyjUHXI6pyohyr7NKms%2fCqLt8vM556szPB4A6%2fr81CGW9QZD1SN4ZHY1SPRfs%2bRA%3d%3d&amp;crl=c&amp;resultNs=AdminWebAuth&amp;resultLocal=ErrCrlNotAuth&amp;crlhashurl=login.aspx%3fdirect%3dtrue%26profile%3dehost%26scope%3dsite%26authtype%3dcrawler%26jrnl%3d14549166%26AN%3d115210576</a></p>	=25/2	12.50
			<p>42. Teseleanu G., Radu S.M., <b>Andras A.</b>, <i>Modeling and simulation of coal winning process</i>, Polish Journal of Management Studies, Volume 10, 2014, Czestochowa University of Technology, pp.189-194, ISSN 2081-7452; <a href="http://georgeteseleanu.ro/wp-content/uploads/2015/04/Polish-Journal-of-Management-Studies-vol.10.pdf">http://georgeteseleanu.ro/wp-content/uploads/2015/04/Polish-Journal-of-Management-Studies-vol.10.pdf</a>;</p>	=25/3	8.33
			<p>43. Dinescu, S., <b>Andraş, A.</b>, <i>Modelling and Simulation of the Complex Mining Production Systems for Coal Extraction</i>, RECENT ADVANCES in CIVIL and MINING ENGINEERING Proceedings of the 4th European Conference of Civil Engineering (ECCIE '13) Proceedings of the 1st European Conference of Mining Engineering (MINENG '13), Antalya, Turkey, October 8-10, 2013 ISSN: 2227-4588, ISBN: 978-960-474-337-7  <a href="https://www.semanticscholar.org/paper/Modeling-And-Simulation-of-The-Complex-Mining-For-Andrei/5d36eb03690152c7ae055f3af21d680b2d9582ba">https://www.semanticscholar.org/paper/Modeling-And-Simulation-of-The-Complex-Mining-For-Andrei/5d36eb03690152c7ae055f3af21d680b2d9582ba</a></p>	=25/2	12.50
			<p>44. Kovacs, I., Nan, M.S., Andraş, I., Tomuş, O.B., <b>Andraş, A.</b> - <i>Comparative study of mechanical rock cutting</i>. Annals of the University of Petroşani, Mechanical Engineering, 14 (2012), (XLI), 2012, pag. 82-87, ISSN 1454-9166; (revistă categoria B+, cod CNCISIS 26; Indexată în Ulrich's Periodicals Directory, EBSCO Publishing Inc., Columbia University Libraries, SCIRIUS, <a href="http://upet.ro/annals/mechanical">http://upet.ro/annals/mechanical</a>)  <a href="https://web.a.ebscohost.com/abstract?direct=true&amp;profile=ehost&amp;scope=site&amp;authtype=crawler&amp;jrnl=14549166&amp;AN=86951726&amp;h=P5Dec6%2fjLMv5Sqb1hEsKdv3tRaMpeH18XBDXnkJ0kTRYSYVNdqMEZxxRH0Q1pHCUHqe5apULIE2ispa2x%2bPrfw%3d%3d&amp;crl=c&amp;resultNs=AdminWebAuth&amp;resultLocal=ErrCrlNotAuth&amp;crlhashurl=login.aspx%3fdirect%3dtrue%26profile%3dehost%26scope%3dsite%26authtype%3dcrawler%26jrnl%3d14549166%26AN%3d86951726">https://web.a.ebscohost.com/abstract?direct=true&amp;profile=ehost&amp;scope=site&amp;authtype=crawler&amp;jrnl=14549166&amp;AN=86951726&amp;h=P5Dec6%2fjLMv5Sqb1hEsKdv3tRaMpeH18XBDXnkJ0kTRYSYVNdqMEZxxRH0Q1pHCUHqe5apULIE2ispa2x%2bPrfw%3d%3d&amp;crl=c&amp;resultNs=AdminWebAuth&amp;resultLocal=ErrCrlNotAuth&amp;crlhashurl=login.aspx%3fdirect%3dtrue%26profile%3dehost%26scope%3dsite%26authtype%3dcrawler%26jrnl%3d14549166%26AN%3d86951726</a></p>	=25/5	5.00

			<p>45. Andras, I.; Kovacs, I.; <b>Andras, A.</b>; Tomuş, B. <i>Computer Aided Simulation of Coal Extraction Process with Complex Technological Systems</i> The 10th International Conference Modern Technologies In Manufacturing MTeM 2011, Cluj-Napoca (Indexata Dspace - <a href="http://www.muri.utcluj.ro:8080/xmlui/handle/123456789/90">http://www.muri.utcluj.ro:8080/xmlui/handle/123456789/90</a>, Google Scholar )</p>	=25/4	6.25
			<p>46. N. Ilias, I.Andras, <b>A. Andras</b>, S. Dinescu, <i>Reliability Assessment of Continuous Mining Technological Systems</i> , Сучасні технології в машинобудуванні , nr. 4/2010 (ISSN 2078-7499) (Indexată Google Scholar, Scientific and technical library Kharkiv Politechnical Institute, Periodicals.ru) <a href="http://library.kpi.kharkov.ua/files/JUR/sutech4_2010.pdf">http://library.kpi.kharkov.ua/files/JUR/sutech4_2010.pdf</a></p>	=25/4	6.25
			<p>47. Dinescu, S., <b>Andraş, A.</b>, <i>Modeling of Shearer Loader Cutter Head in Order to Improve Energy Consumption</i> , Annals Of The University Of Petrosani Mechanical Engineering , Vol. 11 (XXXVIII) 2009, pag. 67-72 ISSN: 1454-9166; (revistă categoria <b>B+</b>, cod CNCISIS 26; Indexată în Ulrich's Periodicals Directory, EBSCO Publishing Inc., Columbia University Libraries, SCIRIUS, <a href="http://upet.ro/annals/mechanical">http://upet.ro/annals/mechanical</a>) <a href="https://www.upet.ro/annals/mechanical/pdf/2009/Annals-Mechanical-Engineering-2009-a9.pdf">https://www.upet.ro/annals/mechanical/pdf/2009/Annals-Mechanical-Engineering-2009-a9.pdf</a></p>	=25/2	12.50
			<p>48. <b>Andraş, A.</b>, Andraş, I., <i>Longwall Support Effectiveness Assessment Using Artificial Intelligence Methods</i>, Annals Of The University Of Petrosani Mechanical Engineering , Vol. 11 (XXXVIII) 2009, pag. 11 -14; ISSN: 1454-9166 (revistă categoria <b>B+</b>, cod CNCISIS 26; Indexată în Ulrich's Periodicals Directory, EBSCO Publishing Inc., Columbia University Libraries, SCIRIUS, <a href="http://upet.ro/annals/mechanical">http://upet.ro/annals/mechanical</a>) <a href="https://pdfs.semanticscholar.org/b813/54bd2c30d6505ad2b72ca8c9b229d1f16349.pdf?_ga=2.161545660.1875020766.1598276859-1688805225.1598276859">https://pdfs.semanticscholar.org/b813/54bd2c30d6505ad2b72ca8c9b229d1f16349.pdf?_ga=2.161545660.1875020766.1598276859-1688805225.1598276859</a></p>	=25/2	12.50
			<p>49. Iosif Andras, Nicolae Ilias, <b>Andrei Andras</b>, Attila Kovacs, Victor Badarca, Florin Nicolae, <i>Quality Assurance By Design Of Mining Equipment, Fiabilitate si Durabilitate - Fiability &amp; Durability nr.2/2008</i> Editura "Academica Brâncuși", ) ISSN 2144-3669, ISSN-L 1844 -640X (Revistă categoria <b>B+</b>, cod CNCISIS 80; Indexată în Copernicus, Ebsco, DOAJ, Ulrich, Scipio - <a href="http://www.utgjiu.ro/rev_mec/?page=curent&amp;nr=2008-02">http://www.utgjiu.ro/rev_mec/?page=curent&amp;nr=2008-02</a>)</p>	=25/6	4.17
			<p>50. Iosif ANDRAS, Stela DINESCU, <b>Andrei ANDRAS</b>, <i>Comparative Analysis Of Different Methods Of Reliability Assessment For Continuous Mining Technological Systems</i>, North University Baia Mare Scientific Bulletin Series C, Volume XXII (2008) Fascicle Mechanics, Tribology, Machine Manufacturing Technology, pag. 7-12; ISSN: 1224-3264. (revistă categoria <b>B+</b>, cod CNCISIS 610; <a href="http://www.nordtech.ubm.ro/list.php">http://www.nordtech.ubm.ro/list.php</a>) <a href="http://www.nordtech.ubm.ro/issues/2008/2008.01.02.pdf">http://www.nordtech.ubm.ro/issues/2008/2008.01.02.pdf</a></p>	=25/3	8.33
			<p>51. Tomuş O.B., <b>Andraş A.</b> <i>Analysis of rock cutting with bucket wheel excavators using the chip breakout pattern method</i>. North University Baia Mare Scientific Bulletin Series C, Volume XXII (2008) Fascicle Mechanics, Tribology, Machine Manufacturing Technology, pag. 463-466, ISSN 1224-3264; - <a href="http://www.nordtech.ubm.ro/list.php">http://www.nordtech.ubm.ro/list.php</a>) <a href="https://search.proquest.com/openview/83e931de2941aef5805cbacb8ce04cd8/1?pq-origsite=gscholar&amp;cbl=51656">https://search.proquest.com/openview/83e931de2941aef5805cbacb8ce04cd8/1?pq-origsite=gscholar&amp;cbl=51656</a></p>	=25/2	12.50

			<p>52. Dinescu, S., <b>Andraș, A.</b>, <i>Environmental Friendly Equipment and Technology for Underground Civil Excavations</i>, Annals Of The University Of Petrosani, Mechanical Engineering, Vol. 10 (XXXVII) 2008, pag. 47-52; ISSN: 1454-9166 (revistă categoria <b>B+</b>, cod CNCISIS <b>26</b>; Indexată în Ulrich's Periodicals Directory, EBSCO Publishing Inc., Columbia University Libraries, <a href="http://upet.ro/annals/mechanical">http://upet.ro/annals/mechanical</a>) <a href="https://www.semanticscholar.org/paper/ENVIRONMENTAL-FRIENDLY-EQUIPMENT-AND-TECHNOLOGY-FOR-Dinescu/8b823053ed438a86b7f5cd74f73f8e6cb7216cb6">https://www.semanticscholar.org/paper/ENVIRONMENTAL-FRIENDLY-EQUIPMENT-AND-TECHNOLOGY-FOR-Dinescu/8b823053ed438a86b7f5cd74f73f8e6cb7216cb6</a></p>	=25/2	12.50
			<p>53. <b>Andraș, A.</b>, Dinescu, S., <i>Open Pit Lignite Mining Process Reliability Assessment Using Bayesian Belief Networks</i>, Annals Of The University Of Petrosani, Mechanical Engineering, Vol. 10 (XXXVII) 2008, pag. 5-11; ISSN: 1454-9166 (revistă categoria <b>B+</b>, cod CNCISIS <b>26</b>; Indexată în Ulrich's Periodicals Directory, EBSCO Publishing Inc., Columbia University Libraries, <a href="http://upet.ro/annals/mechanical">http://upet.ro/annals/mechanical</a>) <a href="https://pdfs.semanticscholar.org/c092/d5faada86c6d3469a441e5415ea2995c321e.pdf?_ga=2.194631085.1875020766.1598276859-1688805225.1598276859">https://pdfs.semanticscholar.org/c092/d5faada86c6d3469a441e5415ea2995c321e.pdf?_ga=2.194631085.1875020766.1598276859-1688805225.1598276859</a></p>	=25/2	12.50
			<p>54. Dafinoiu M., Tomuș O.B., Dinescu S., Stănilă S.D., <b>Andraș A.</b> <i>Improved Shape of the Tooth for Bucket Wheel Excavator for the Condition of Romanian Open Pits</i> Volume XXI (2007), Fascicle Mechanics, Tribology, Machine Manufacturing Technology pag. 161-164, ISSN 1224-3264; (revistă categoria <b>B+</b>, cod CNCISIS <b>610</b>; Indexată în Proquest, Ebsco, CSA - <a href="http://www.nordtech.ubm.ro/list.php">http://www.nordtech.ubm.ro/list.php</a>)</p>	=25/5	5.00
			<p>55. Nicolae ILIAS, Iosif ANDRAS, Attila KOVACS, <b>Andrei ANDRAS</b>, Emanoil VENESCU, Livia ILIAS, <i>Constructive Design Principles Applied To Enhance Support Equipment Quality</i>, North University Baia Mare Scientific Bulletin Series C, Volume XX (2006) Fascicle Mechanics, Tribology, Machine Manufacturing Technology (revistă categoria <b>B+</b>, cod CNCISIS <b>610</b>; Indexată în Proquest, Ebsco, CSA - <a href="http://www.nordtech.ubm.ro/list.php">http://www.nordtech.ubm.ro/list.php</a>)</p>	=25/6	4.17
			<p>56. <b>Andras A.</b>, Andras I., <i>Tehnologia realitatii virtuale un instrument modern in proiectarea echipamentelor pentru industria extractiva (Virtual Reality Technology-an up to date Tool in The Design and Development of Mineral Resorces Related Equipment)</i> Revista Minelor nr.11-12/2006 (revistă categoria <b>B+</b>, cod CNCISIS <b>293</b>, ISSN-L 1220-2053/ISSN 2247-8590; BDI: EBSCO Publishing Inc. – SUA <a href="http://upet.ro/revistaminelor/">http://upet.ro/revistaminelor/</a>) <a href="https://www.upet.ro/revistaminelor/arhiva/rm2006/2006_rezumat_11-12.html">https://www.upet.ro/revistaminelor/arhiva/rm2006/2006_rezumat_11-12.html</a></p>	=25/2	12.50
			<p>57. <b>Andras, A.</b>, <i>Electromechanics vs. Mechatronics –points of view</i>, Conferința internațională „Tinerii și Cercetarea Multidisciplinară”, Reșița, 2005, publ. Analele Universitatii Eftimie Murgu Resita Fascicola De Inginerie, XII, nr. 1, 2005, ISSN 1453-7394 (revistă categoria <b>B+</b>, cod CNCISIS 330; Indexată în Ebsco, DOAJ, RePec. Proquest, Copernicus etc - <a href="http://www.anale-ing.uem.ro">http://www.anale-ing.uem.ro</a>)</p>	=25/1	25.00

			58. Teseleanu G., Ilias, N., Andras, I., Radu, S., <b>Andras, A.</b> , <i>Modeling and simulation of coal winning process</i> , 5th International Scientific Conference of Modern Management of Mine Producing, Geology and Environmental Protection, SGEM 2005; Albena; Bulgaria; 13 June 2005 through 17 June 2005; Code 101473 / ISBN: 954-918181-2, June 13-17, 2005, 105-111pp (Indexată Scopus, Mendeley, CiteULike, Google Scholar) <a href="http://www.citeulike.org/group/18367/article/13484753">http://www.citeulike.org/group/18367/article/13484753</a>	=25/5	5.00
			59. Marin Silviu NAN, Iosif KOVACS, Sorin MIHAILESCU, <b>Andrei ANDRAS</b> , <i>Laboratory Research About The Forces For The Sterile Rocks Cutting Performed At Rosiuta Open Pit</i> , North University Baia Mare Scientific Bulletin Series C, Volume XX Year: <b>2005</b> , Volume: <b>XIX</b> , Part: <b>1</b> , Fascicle Mechanics, Tribology, Machine Manufacturing Technology (revistă categoria <b>B+</b> , cod CNCSIS <b>610</b> ; Indexată în Proquest, Ebsco, CSA - <a href="http://www.nordtech.ubm.ro/list.php">http://www.nordtech.ubm.ro/list.php</a> )	=25/4	6.25
			60. Nicolae ILIAS, Alin SIMOTA, Mihael MELCZER, <b>Andrei ANDRAS</b> , <i>Mathematical Modeling Of The Powered Roof Support/Surrounding Rock Interaction</i> , North University Baia Mare Scientific Bulletin Series C, Volume XX Year: 2005, Volume: XIX, Part: 1, Fascicle Mechanics, Tribology, Machine Manufacturing Technology (revistă categoria <b>B+</b> , cod CNCSIS <b>610</b> ; Indexată în Proquest, Ebsco, CSA - <a href="http://www.nordtech.ubm.ro/list.php">http://www.nordtech.ubm.ro/list.php</a> )	=25/4	6.25
			61. Popescu Fl., <b>Andras, A.</b> , Dafinoiu, M., Deaconu, I., <i>Method for processing the experimental data regarding the mechanical rocks cutting</i> Annals of the University of Petrosani, Mechanical Engineering, 6 (2004) (revistă categoria <b>B+</b> , cod CNCSIS <b>26</b> ; Indexată în Ulrich's Periodicals Directory, EBSCO Publishing Inc., Columbia University Libraries, SCIRIUS, Periodicals.ru, Suweco - <a href="http://upet.ro/annals/mechanical">http://upet.ro/annals/mechanical</a> )	=25/4	6.25
	2.4. Granturi/proiecte câștigate prin competiție	2.4.1. Director/responsabil - <b>minim 2 pentru profesor / CSI</b>	<b>2.4.1.1. Internaționale</b>	<b>30*ani de desfășurare</b>	
			1. <b>Director proiect - MIWACUT</b> , <i>Investigating The Microwave Assisted Cutting Of Carbonate Rocks. (Studiul taierii asistate cu microunde a rocilor carbonatice)</i> . Finanțat de UEFISCDI, P3 - Cooperare Europeană și Internațională, Subprogram 3.2, Orizont 2020. Durata 36 luni. Valoare partener Upet: 53.200 Euro (252.168 lei). <b>Depus în cadrul ERA-NET Cofund on Raw Materials (ERA-MIN 2)</b> <a href="https://www.era-min.eu/sites/default/files/docs/era-min_joint_call_2018_-_list_of_funded_projects_table.pdf">https://www.era-min.eu/sites/default/files/docs/era-min_joint_call_2018_-_list_of_funded_projects_table.pdf</a> .	=30*3	90
			<b>2.4.1.2. Nationale</b>	<b>15*ani de desfășurare</b>	
			1. <b>Manager de proiect - Cresterea capacitatii de cercetare a Universitatii Petrosani prin investitii in infrastructuri de tip Cloud si Big Data</b> , Apel: POC/398/1/1. Durata: 12 luni (Septembrie 2021 – August 2022). Valoare: 4.978.907,77 lei	=15*1	15

			2. <b>Responsabil contract</b> - Contract de cercetare științifică Nr.78/11366 din 04.04.2018, , "Plan de mobilitate urbană a Orașului Petrila", Câștigat prin SEAP, (Valoare încasată august 2018 15.589 lei)	=15*0,25	3,75
		2.4.2 Membru in echipă	<b>2.4.2.1. Internaționale</b>	<b>10*ani de desfășurare</b>	
			1. <b>Membru în echipă</b> - RFCR-CT - 2015-00003 – Horizon 2020 – RFCS 2015-2018 - <i>Bucket wheel excavators operating under difficult mining conditions including unmineable inclusions and geological structures with excessive mining resistance (BEWEXMIN)</i> , Valoare totală: 473158 Euro <a href="https://ec.europa.eu/research/industrial_technologies/pdf/rfcs/synopsis_projects_2015.pdf">https://ec.europa.eu/research/industrial_technologies/pdf/rfcs/synopsis_projects_2015.pdf</a>	=10*3	30
			2. <b>Membru în echipă</b> - <i>CASC- Cities and Science Communication: Innovative Approaches to Engaging the Public</i> /FP7 Coordination and support actions (Science in Society Priority). <a href="http://cordis.europa.eu/project/rcn/91174_en.html">http://cordis.europa.eu/project/rcn/91174_en.html</a>	=10*2	20
			<b>2.4.2.2. Membru in echipa unor granturi nationale</b>	<b>5*ani de desfășurare</b>	
			1. Grant Nr.45/SGU/NC/I din 23.11. 2017 (Studentii – Prezentul și viitorul Văii Jiului)	5*3	15
			2. POCU/320/6/21/ 122773, Cod 122773 (DINAMIC - optimizarea ofertelor de studii din învățământ terțiar universitar și non-universitar tehnic în sprijinul angajabilității)	5*3	15
			3. Materiale metalice cu structuri compozite utilizabile in atmosfera potențial explozivă GRANT 849 CEEX-M1-C2- 3607, 2006-2008	5*2	10
			4. Reducerea consumurilor electroenergetice și a cheltuielilor de exploatare a excavatoarelor de mare putere prin optimizarea parametrilor regimului de dislocare” grant CNC SIS 13182.	5*2	10
			5. Asigurarea competitivității și corelarea cu reglementările UE în domeniul prevenirii și combaterii riscurilor formării atmosferelor potențial explozive la minele de cărbune din Valea Jiului, Fazele I, II, III , IV și V, Grant C59-CEEX-II 03/2006, beneficiar Ministerul Educației și Cercetării, 2006-2008.	5*2	10
			6. Tehnologie eficientă de exploatare mecanizată a carbunelui cu banc subminat la minele din Valea Jiului aliniata la performantele inregistrate in tarile U.E. Grant 269/29.10. AMCSIT Politehnica Bucuresti, Program Inovare, 2008-2010	5*2	10
	2.5. Proiecte de cercetare/ consult anta (valoare de	2.5.2. Membru in echipa (3*ani desfășurare)	<b>Membru in echipă</b>	<b>6* ani de desfășurare</b>	
			1. Contract de cercetare nr. 5/12.04.2016 - Majorarea eficienței energetice prin elaborarea, analiza și optimizarea instalațiilor energetice din cadrul SC ASVJ SA Petroșani	6*1	6



minim 5000 Euro echivalenți)	2. Contract de cercetare nr. 3/14.01.2015, - Intocmire măsurători de performanță și raport tehnic pentru determinarea unor indicatori necesari calificării producției de energie electrică în cogenerare de înaltă eficiență pentru Grupul Energetic nr. 4 de 150 MW din Complexul Energetic Hunedoara SA – Sucursala Electrocentrale Paroșeni (2015). Director contract: Șef lucr.dr.ing. Petrilean Dan Coduț	6*1	6
	3. Elaborarea și analiza bilanțului energetic complex pentru consumatorii semnificativi din conturul de bilanț aferent secțiilor de producție BCA la punctele de lucru Deva și Oradea, Contr. Nr. 11/15.07.2011 , Beneficiar: SC MACON SRL Deva, Director contract: Șef lucr.dr.ing. Petrilean Dan Coduț	6*1	6
	4. Retehnologizarea fluxurilor de transport de la unitățile miniere din cadrul CNH SA, Contract 142 ASL/2007 Compania Națională a Huilei Petroșani	6*1	6
	5. Studiul posibilităților de creștere a performanțelor în exploatare a rotorului excavatoarelor utilizate în carierele S.N.L.Oltenia, ținând seama de caracteristicile la tăiere ale lignitului și rocilor din descoperă. Contract nr. 1170/S/06.12.2006 cu S.N.L.O. Tg-Jiu.	6*1	6
	6. Cercetări teoretice și experimentale privind creșterea gradului de utilizare a utilajelor de excavatoare în carierele de lignit aparținând S.C. Complexul Energetic Turceni S.A. Contract nr. nr. 1/2006 cu S.C. Complexul Energetic Turceni S.A. (5 faze).	6*1	6
	7. Cercetări teoretice și experimentale privind îmbunătățirea performanțelor în exploatarea sistemelor de transport continuu la minele din cadrul C.N.H.-S.A. Petroșani. Contract nr. 4/2005 încheiat între Universitatea din Petroșani și Compania Națională a Huilei Petroșani.	6*1	6
	8. Studiul comportării la tăiere mecanică a rocilor sterile din descoperă stratelor de lignit și a lignitului în carierele aparținând CNL Oltenia în vederea creșterii performanțelor tehnice și economice a extragerii cu ajutorul excavatoarelor cu rotor. Contract nr. 6/2002 cu CNLO Târgu-Jiu (faza 4).	6*1	6
	<b>PUNCTAJ TOTAL PE ACTIVITATEA A2 REALIZAT</b>		
<b>PUNCTAJ TOTAL PE ACTIVITATEA A2 MINIM IMPUS</b>			<b>260</b>

0	1	2	3	4	5	6
3	Recunoașterea impactului activității A3	3.1. Citări în reviste ISI și BDI și în volumele conferințelor ISI și BDI	3.1.1 ISI 8 / nr. autori articol citat	<b>3.1.1. Citări în reviste ISI</b> <b>Articol citat:</b> Popescu, F.D.; Radu, S.M.; Kotwica, K.; Andraș, A.; Kertesz (Brînaș), I. <i>Simulation of the Time Response of the ERc 1400-30/7 Bucket Wheel Excavator's Boom during the Excavation Process. Sustainability</i> 2019, 11, 4357. <a href="https://doi.org/10.3390/su11164357">https://doi.org/10.3390/su11164357</a> <b>WOS:000484472500101</b> <a href="https://publons.com/publon/21231929/">https://publons.com/publon/21231929/</a> <a href="http://cel.webofknowledge.com/InboundService.do?customersID=Publons_CEL&amp;smartRedirect=yes&amp;mode=FullRecord&amp;IsProductCode=Yes&amp;product=CEL&amp;Init=Yes&amp;Func=Frame&amp;action=retrieve&amp;SrcApp=Publons&amp;SrcAuth=Publons_CEL&amp;SID=C1WcNkoCngcqD6o3tvX&amp;UT=WOS%3A000484472500101">http://cel.webofknowledge.com/InboundService.do?customersID=Publons_CEL&amp;smartRedirect=yes&amp;mode=FullRecord&amp;IsProductCode=Yes&amp;product=CEL&amp;Init=Yes&amp;Func=Frame&amp;action=retrieve&amp;SrcApp=Publons&amp;SrcAuth=Publons_CEL&amp;SID=C1WcNkoCngcqD6o3tvX&amp;UT=WOS%3A000484472500101</a>		
				Rafajłowicz, W., Więckowski, J., Moczko, P., Rafajłowicz, E. (2020) <i>Iterative learning from suppressing vibrations in construction machinery using magnetorheological dampers. Automation in Construction</i> , 119, p.103326. <a href="https://apps-webofknowledge-com.am.e-nformation.ro/full_record.do?product=WOS&amp;search_mode=CitingArticles&amp;qid=21&amp;SID=D4E1wLYuhWFsZaF2Gt7&amp;page=1&amp;doc=1">https://apps-webofknowledge-com.am.e-nformation.ro/full_record.do?product=WOS&amp;search_mode=CitingArticles&amp;qid=21&amp;SID=D4E1wLYuhWFsZaF2Gt7&amp;page=1&amp;doc=1</a>	=8/5	1,6
				Popescu, F.G., Pasculescu, D., Marcu, M.D., Pasculescu, V.M. (2020) <i>Analysis of current and voltage harmonics introduced by the drive systems of a bucket wheel excavator. Min. miner. depos.</i> 2020, 14(4):40-46. <a href="https://apps-webofknowledge-com.am.e-nformation.ro/full_record.do?product=WOS&amp;search_mode=CitingArticles&amp;qid=28&amp;SID=D4E1wLYuhWFsZaF2Gt7&amp;page=1&amp;doc=2">https://apps-webofknowledge-com.am.e-nformation.ro/full_record.do?product=WOS&amp;search_mode=CitingArticles&amp;qid=28&amp;SID=D4E1wLYuhWFsZaF2Gt7&amp;page=1&amp;doc=2</a>	=8/5	1,6
				<b>Articol citat:</b> Popescu, F.D.; Radu, S.M.; Andraș, A.; Kertesz (Brînaș), I., <i>A grafo-numeric method of determination of the operation power of the rotor of EsRc-1400 bucket wheel excavator using computer simulation in SolidWorks. MATEC Web Conf.</i> , 290 (2019) 04007. <b>WOS:000569367700057.</b> DOI: <a href="https://doi.org/10.1051/MATECCONF/201929004007">doi.org/10.1051/MATECCONF/201929004007</a> . <a href="https://publons.com/publon/34395500/">https://publons.com/publon/34395500/</a> <a href="http://cel.webofknowledge.com/InboundService.do?customersID=Publons_CEL&amp;smartRedirect=yes&amp;mode=FullRecord&amp;IsProductCode=Yes&amp;product=CEL&amp;Init=Yes&amp;Func=Frame&amp;action=retrieve&amp;SrcApp=Publons&amp;SrcAuth=Publons_CEL&amp;SID=F4sVNX5gJrtikV4OJj&amp;UT=WOS%3A000569367700057">http://cel.webofknowledge.com/InboundService.do?customersID=Publons_CEL&amp;smartRedirect=yes&amp;mode=FullRecord&amp;IsProductCode=Yes&amp;product=CEL&amp;Init=Yes&amp;Func=Frame&amp;action=retrieve&amp;SrcApp=Publons&amp;SrcAuth=Publons_CEL&amp;SID=F4sVNX5gJrtikV4OJj&amp;UT=WOS%3A000569367700057</a>		
				Popescu, F.G., Pasculescu, D., Marcu, M.D., Pasculescu, V.M. (2020) <i>Analysis of current and voltage harmonics introduced by the drive systems of a bucket wheel excavator. Min. miner. depos.</i> 2020, 14(4):40-46. <a href="https://apps-webofknowledge-com.am.e-nformation.ro/full_record.do?product=WOS&amp;search_mode=CitingArticles&amp;qid=28&amp;SID=D4E1wLYuhWFsZaF2Gt7&amp;page=1&amp;doc=2">https://apps-webofknowledge-com.am.e-nformation.ro/full_record.do?product=WOS&amp;search_mode=CitingArticles&amp;qid=28&amp;SID=D4E1wLYuhWFsZaF2Gt7&amp;page=1&amp;doc=2</a>	=8/4	2

			<p><b>Articol citat:</b> Irimie S.I., Radu S.M., Petrilean D.C., <b>Andraş A.</b>, <i>Reducing the environmental impact of a gas operated cogeneration installation</i>, The 8<sup>th</sup> International Conference on Manufacturing Science and Education MSE, 7 – 9 June 2017, MATEC Web Conf. Volume 121, 2017, Sibiu, Romania, ISSN 2559-2963, ISSN-L 2559-2963, pp. 876-884.  <b>DOI:</b> 10.1051/mateconf/201712101016  <a href="http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&amp;search_mode=AdvancedSearch&amp;qid=1&amp;SID=E25YdPsMOP3TomlPNHX&amp;page=1&amp;doc=3">http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&amp;search_mode=AdvancedSearch&amp;qid=1&amp;SID=E25YdPsMOP3TomlPNHX&amp;page=1&amp;doc=3</a></p>		
			<p>Păsculescu, V. M., Ghicioi, E., Morar, M. S., Păsculescu, D., &amp; ŞUVAR, M. C. (2019). <i>Computational study for improving the quality of safety measures for LPG filling stations</i>. Quality-Access to Success, 20(1). WOS:000459686300004. <a href="https://apps-webofknowledge-com.am.e-nformation.ro/full_record.do?product=WOS&amp;search_mode=CitingArticles&amp;qid=70&amp;SID=D4E1wLYuhWFsZaF2Gt7&amp;page=1&amp;doc=2">https://apps-webofknowledge-com.am.e-nformation.ro/full_record.do?product=WOS&amp;search_mode=CitingArticles&amp;qid=70&amp;SID=D4E1wLYuhWFsZaF2Gt7&amp;page=1&amp;doc=2</a></p>	=8/4	2
			<p>Păsculescu, V., Ghicioi, E., Morar, M., Şuvar, M., &amp; Vlasin, N.I. (2019). <i>Consequence modelling of a truck explosion</i>. MATEC Web Conf., 290 (2019) 12023. DOI: 10.1051/mateconf/201929012023. WOS:000569367700152. <a href="https://apps-webofknowledge-com.am.e-nformation.ro/full_record.do?product=WOS&amp;search_mode=CitingArticles&amp;qid=60&amp;SID=D4E1wLYuhWFsZaF2Gt7&amp;page=1&amp;doc=1">https://apps-webofknowledge-com.am.e-nformation.ro/full_record.do?product=WOS&amp;search_mode=CitingArticles&amp;qid=60&amp;SID=D4E1wLYuhWFsZaF2Gt7&amp;page=1&amp;doc=1</a></p>	=8/4	2
			<p><b>Articol citat:</b> Tomuş, O.B., <b>Andraş, A.</b>, Magyari, M., <i>Study on the reliability of the underground conveyor belt system installed at Vulcan Mine, the Jiu Valley Basin in Romania</i>, The 8<sup>th</sup> International Conference on Manufacturing Science and Education MSE, 7 – 9 June 2017, MATEC Web Conf. Volume 121, 2017, Sibiu, Romania, ISSN 2559-2963, ISSN-L 2559-2963, pp. 115-122.  <a href="https://doi.org/10.1051/mateconf/201712110005">https://doi.org/10.1051/mateconf/201712110005</a>  <b>WOS:000435283800117</b> <a href="https://publons.com/publon/22434211/">https://publons.com/publon/22434211/</a>  <a href="http://cel.webofknowledge.com/InboundService.do?customersID=Publons_CEL&amp;smartRedirect=yes&amp;mode=FullRecord&amp;IsProductCode=Yes&amp;product=CEL&amp;Init=Yes&amp;Func=Frame&amp;action=retrieve&amp;SrcApp=Publons&amp;SrcAuth=Publons_CEL&amp;SID=C63qzGCIBbhjA5yRar6&amp;UT=WOS%3A000435283800016">http://cel.webofknowledge.com/InboundService.do?customersID=Publons_CEL&amp;smartRedirect=yes&amp;mode=FullRecord&amp;IsProductCode=Yes&amp;product=CEL&amp;Init=Yes&amp;Func=Frame&amp;action=retrieve&amp;SrcApp=Publons&amp;SrcAuth=Publons_CEL&amp;SID=C63qzGCIBbhjA5yRar6&amp;UT=WOS%3A000435283800016</a></p>		
			<p>Li, Meiyang, S. U. N. Yingqian, and Chuan Luo. "Reliability Analysis of Belt Conveyor Based on Fault Data." In <i>IOP Conference Series: Materials Science and Engineering</i>, vol. 692, no. 1, p. 012009. IOP Publishing, 2019. WOS:000562322800009 <a href="https://apps-webofknowledge-com.am.e-nformation.ro/full_record.do?product=UA&amp;search_mode=CitingArticles&amp;qid=88&amp;SID=D4E1wLYuhWFsZaF2Gt7&amp;page=1&amp;doc=1">https://apps-webofknowledge-com.am.e-nformation.ro/full_record.do?product=UA&amp;search_mode=CitingArticles&amp;qid=88&amp;SID=D4E1wLYuhWFsZaF2Gt7&amp;page=1&amp;doc=1</a></p>	=8/3	2,66

		<p><b>Articol citat:</b> A. Andraş, I. Andraş, O.B. Tomuş, <i>Mathematical models of powered roof support interaction with surrounding rocks</i>, International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM 17 (13), pp.529. DOI: 10.5593/sgem2017/13/S03.067 <a href="https://www.scopus.com/record/display.uri?eid=2-s2.0-85032487107&amp;origin=inward&amp;txGid=008289372b6c76e66028ccb70d885684">https://www.scopus.com/record/display.uri?eid=2-s2.0-85032487107&amp;origin=inward&amp;txGid=008289372b6c76e66028ccb70d885684</a></p>		
		<p>Szurgacz, D., Brodny, J., <i>Tests of geometry of the powered roof support section</i>, Energies 12(20),3945</p>	=8/3	2,66
		<p><b>Articol citat:</b> F.D. Popescu, A. Andras, I. Kertesz, <i>The Method Of Minimizing The Calculated Power Of Vertical Transport Installations</i>, 17th International Multidisciplinary Scientific GeoConference SGEM 2017, www.sgem.org, SGEM2017 Conference Proceedings, ISBN 978-619-7105-00-1 / ISSN 1314-2704, 29 June - 5 July, 2017, Vol. 17, Issue 13, 901-908 pp, DOI: 10.5593/sgem2017/13/S03.114 <a href="https://www.sgem.org/sgemlib/spip.php?article9265&amp;lang=en">https://www.sgem.org/sgemlib/spip.php?article9265&amp;lang=en</a></p>		
		<p>Dumitrescu, I., Grecea, D., Vitan, C., &amp; Vitan, D. (2019). Research regarding the upgrading of the attachments for balance ropes of mine hoists. MATEC Web Conf., 290 (2019) 08016. WOS:000569367700106. <a href="https://apps- webofknowledge-com.am.e-nformation.ro/full_record.do?product=WOS&amp;search_mode=GeneralSearch&amp;qid=80&amp;SID=D4E1wLYuhWFsZaF2Gt7&amp;page=1&amp;doc=1">https://apps- webofknowledge-com.am.e-nformation.ro/full_record.do?product=WOS&amp;search_mode=GeneralSearch&amp;qid=80&amp;SID=D4E1wLYuhWFsZaF2Gt7&amp;page=1&amp;doc=1</a></p>	=8/3	2,66
		<p>Pasulescu, V.M., Morar, M.S., Pasulescu, D., Suvar, M.C., Tuhut, L.I., <i>Occupational health and safety risk assessment for preventing electrical injury in underground mining</i>, International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM 19(1.3), pp. 455-462</p>	=8/3	2,66
	3.1.2 BDI 4/nr. autori articol citat	<p><b>3.1.1. Citări în reviste și Proceedings BDI</b></p> <p><b>Articol citat:</b> FD Popescu, SM Radu, A Andraş, IK Brînaş. (2019) <i>Simulation of the frequency response of the ERC 1400 Bucket Wheel Excavator boom, during the excavation process</i>, New Trends in Production Engineering 2 (1), 153-167. ISSN: 2545-2843 [Sciendo, Google Scholar]. DOI 10.2478/ntpe-2019-0016 <a href="https://content.sciendo.com/configurable/contentpage/journals\$002fntpe\$002f2\$002f1\$002farticle-p153.xml">https://content.sciendo.com/configurable/contentpage/journals\$002fntpe\$002f2\$002f1\$002farticle-p153.xml</a></p>		
		<p>Virág, Z., &amp; Szirbik, S. (2019). Finite Element Modal Analysis Of A Hybrid Stiffened Plate. <i>Annals of the University of Petrosani Mechanical Engineering</i>, 21.</p>	=4/4	1
		<p>SZIRBIK, S., &amp; VIRÁG, Z. (2020). NUMERICAL INVESTIGATION OF OPTIMIZED STIFFENED PLATES WITH DAMAGED STIFFENERS. <i>Annals of the University of Petroşani</i>, 22, 55-62.</p>	=4/4	1

			<b>Articol citat:</b> FD Popescu, SM Radu, K Kotwica, A Andraş, IK Brinaş, S Dinescu. (2019) <i>Vibration analysis of a bucket wheel excavator boom using Rayleigh's damping model</i> , New Trends in Production Engineering 2 (1), 233-241. ISSN: 2545-2843 [Sciendo, Google Scholar.] DOI 10.2478/ntpe-2019-0024 <a href="https://content.sciendo.com/view/journals/ntpe/2/1/article-p233.xml">https://content.sciendo.com/view/journals/ntpe/2/1/article-p233.xml</a>		
			Ilie, F. M., & Alexandru, T. G. (2019). The Limiting Aspects Of Product Design Software Applied To The Virtual Prototyping Of Car Body Lifting End Effectors. <i>Annals of the University of Petroşani</i> , 21, 59-64.	=4/6	0,67
			Малафеев, С. И., & Малафеев, С. С. (2021). И УПРАВЛЯЮЩИЕ КОМПОНЕНТЫ ЭЛЕКТРИЧЕСКИХ КАРЬЕРНЫХ ЭКСКАВАТОРОВ.	=4/6	0,67
			<b>Articol citat:</b> S. M. Radu, F. D. Popescu, Andrei Andraş, I. Kertesz Brinas, O. B. Tomus, <i>Simulation and modelling of the forces acting on the rotor shaft of bwes, in order to improve the quality of the cutting process</i> , Annals of the University of Petroşani, Mechanical Engineering, Vol. 20 (2018), (XLVII), 2018, ISSN 1454-9166 <a href="https://www.upet.ro/annals/mechanical/">https://www.upet.ro/annals/mechanical/</a>		
			Virág, Z. And Szirbik, S., 2019. <i>Finite Element Modal Analysis Of A Hybrid Stiffened Plate</i> . Annals of the University of Petrosani Mechanical Engineering, 21. <a href="https://www.upet.ro/annals/mechanical/pdf/2019/14_Virag_Szirbik.pdf">https://www.upet.ro/annals/mechanical/pdf/2019/14_Virag_Szirbik.pdf</a>	=4/5	0,8
			SZIRBIK, S., & VIRÁG, Z. (2020). NUMERICAL INVESTIGATION OF OPTIMIZED STIFFENED PLATES WITH DAMAGED STIFFENERS. Annals of the University of Petroşani, 22, 55-62.	=4/5	0,8
			Zoltán, V., & Sándor, S. (2021). Hibrid bordázott lemezek rezonancia vizsgálata végeelem-módszerrel. Multidiszciplináris Tudományok, 11(2), 32-37.	=4/5	0,8
			Tomuş, O. B. (2019). <i>Study On The Reliability Of The Bwe Teeth Used In Oltenia Basin</i> . Annals of the University of Petroşani, 21, 95-104. <a href="https://www.upet.ro/annals/mechanical/pdf/2019/12_Tomus.pdf">https://www.upet.ro/annals/mechanical/pdf/2019/12_Tomus.pdf</a>	=4/5	0,8
			<b>Articol citat:</b> F.D. Popescu, A. Andraş, I. Kertesz, <i>The Method Of Minimizing The Calculated Power Of Vertical Transport Installations</i> , 17th International Multidisciplinary Scientific GeoConference SGEM 2017, www.sgem.org, SGEM2017 Conference Proceedings, ISBN 978-619-7105-00-1 / ISSN 1314-2704, 29 June - 5 July, 2017, Vol. 17, Issue 13, 901-908 pp, DOI: 10.5593/sgem2017/13/S03.114 <a href="https://www.sgem.org/sgemlib/spip.php?article9265&amp;lang=en">https://www.sgem.org/sgemlib/spip.php?article9265&amp;lang=en</a>		
			Andras, I., Dumitrescu, I., Nan, M. S., & Vitan, C. <i>Study On The Technical Condition Of The Sheave Wheels In The Hoist Tower Of Slanic Prahova Salt Mine</i> . MultiScience - XXXIII. microCAD International Multidisciplinary Scientific Conference (2019)	=4/3	1,33

			Pasulescu, V. M., Morar, M. S., Pasulescu, D., Suvar, M. C., & Tuhut, L. I. (2019). Occupational Health And Safety Risk Assessment For Preventing Electrical Injury In Underground Mining. <i>International Multidisciplinary Scientific Geoconference: Sgem</i> , 19(1.3), 455-462.	=4/3	1,33
			Dumitrescu, I., Grecea, D., Vitan, C., & Vitan, D. (2019). Research regarding the upgrading of the attachments for balance ropes of mine hoists. In MATEC Web of Conferences (Vol. 290, p. 08016). EDP Sciences.	=4/3	1,33
			<b>Articol citat:</b> Irimie S.I., Radu S.M., Petrilean D.C., <b>Andraş A.</b> , <i>Reducing the environmental impact of a gas operated cogeneration installation</i> , The 8 <sup>th</sup> International Conference on Manufacturing Science and Education MSE, 7 – 9 June 2017, MATEC Web Conf. Volume 121, 2017, Sibiu, Romania, ISSN 2559-2963, ISSN-L 2559-2963, pp. 876-884. <a href="http://apps.webofknowledge.com.e-nformation.ro/full_record.do?product=WOS&amp;search_mode=AdvancedSearch&amp;qid=1&amp;SID=E25YdPsMQP3TomlPNHX&amp;page=1&amp;doc=3">http://apps.webofknowledge.com.e-nformation.ro/full_record.do?product=WOS&amp;search_mode=AdvancedSearch&amp;qid=1&amp;SID=E25YdPsMQP3TomlPNHX&amp;page=1&amp;doc=3</a>		
			Păsculescu, V. M., Ghicioi, E., Morar, M. S., Păsculescu, D., & ŞUVAR, M. C. (2019). Computational study for improving the quality of safety measures for LPG filling stations. <i>Quality-Access to Success</i> , 20.	=4/4	1
			Pasulescu, V. M., Ghicioi, E., Morar, M. S., Suvar, M. C., & Vlasin, N. I. (2019). Consequence modelling of a truck explosion. In MATEC Web of Conferences (Vol. 290, p. 12023). EDP Sciences.	=4/4	1
			Pasulescu, V. M., Pasulescu, D., Morar, M. S., Suvar, M. C., & Tuhut, L. I. (2020). OHS Risk Assessment – A Case Study For Underground Coal Mining Electricians. <i>Sws Journal Of Earth &amp; Planetary Sciences</i> , 2(1), 1-15. <a href="https://doi.org/10.35603/eps2020/issue1.03">https://doi.org/10.35603/eps2020/issue1.03</a>	=4/4	1
			Pasulescu, V.M., Morar, M.S., Pasulescu, D., Suvar, M.C., Tuhut, L.I., <i>Occupational health and safety risk assessment for preventing electrical injury in underground mining</i> , , SGEM 19(1.3), pp. 455-462	=4/4	1
			<b>Articol citat:</b> I. Andraş, A. Andraş, O.B. Tomuş, <i>Optimization of geometric and strength parameters of teeth for bucket wheel excavator in view to increasing the cutting efficiency</i> , International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM 17 (13), pp.741. DOI: 10.5593/sgem2017/13/S03.077 <a href="https://www.scopus.com/record/display.uri?eid=2-s2.0-85032499187&amp;origin=inward&amp;txGid=44fl14d6bc821fb620f8ae7bfl70289a">https://www.scopus.com/record/display.uri?eid=2-s2.0-85032499187&amp;origin=inward&amp;txGid=44fl14d6bc821fb620f8ae7bfl70289a</a>		
			Popescu, F. D., Radu, S. M., & Ilioni, C. (2017). The Analysis Of The Deformations And Stresses Of The Cutting-Teeth Of Bucketwheel Excavators (Bwes) During Operation, Using Finite Elements Method (Fem). <i>Annals of the University of Petrosani Mechanical Engineering</i> , 19.	=4/3	1,33

			Brinas, I. K., Rebedea, N. I., & Oltean, I. L. (2018). Bucket wheel excavator cutting tooth stress and deformation analysis during operation using Finite Elements Method (FEM). <i>Mining- Informatics, Automation and Electrical Engineering</i> , 56.	=4/3	1,33
			Brinas, I. K., Rebedea, N. I., & Oltean, I. L. (2018). Analiza naprężeń i odkształceń zębów tnących koparki wielonaczyniowej w trakcie pracy z wykorzystaniem metody elementów skończonych (MES). <i>Mining- Informatics, Automation and Electrical Engineering</i> , 56.	=4/3	1,33
			<b>Articol citat:</b> M. Lazar, I. Andras, F. Faur, <b>A. Andras</b> , <i>Influence of physical, mechanical and technological characteristics of coal and overburden rocks on the excavation process</i> , International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM 17 (13), pp.445. DOI: 10.5593/sgem2017/13/S03.057 <a href="https://www.scopus.com/record/display.uri?eid=2-s2.0-85032512328&amp;origin=inward&amp;txGid=b6f030143a1709ab6ae255573c3613a3">https://www.scopus.com/record/display.uri?eid=2-s2.0-85032512328&amp;origin=inward&amp;txGid=b6f030143a1709ab6ae255573c3613a3</a>		
			Florea, V. A. (2018). <i>Researches on wear and reliability of some subassemblies and spare parts of technological equipment</i> . Annals of the University of Petroșani, 20, 19-26.	=4/4	1
			<b>Articol citat:</b> Iosif ANDRAS, Stela DINESCU, Andrei ANDRAS, <i>Comparative Analysis Of Different Methods Of Reliability Assessment For Continuous Mining Technological Systems</i> , North University Baia Mare Scientific Bulletin Series C, Volume XXII (2008) Fascicle Mechanics, Tribology, Machine Manufacturing Technology, pag. 7-12; ISSN: 1224-3264. (revistă categoria B+, cod CNCIS 610; Indexată în Proquest, Ebsco, CSA - <a href="http://www.nordtech.ubm.ro/list.php">http://www.nordtech.ubm.ro/list.php</a> )		
			G. Balan et al., "New Methods of Mining Technological System's Performance Analysis", Applied Mechanics and Materials, Vols. 789-790, pp. 1317-1322, 2015; <a href="http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.825.9021&amp;rep=rep1&amp;type=pdf">http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.825.9021&amp;rep=rep1&amp;type=pdf</a>	=4/3	1,33
			Radu, Sorin Mihai, Witold Chmielarz, et al. <i>Mining Technological System's Performance Analysis</i> . Annals of the University of Craiova for Journalism, Communication and Management 2.1 (2016): 56-64.	=4/3	1,33
			<b>Articol citat:</b> Andraș, A., Andraș, I., Radu, S.M. - <i>Study regarding the bucket-wheel excavators used in hard rock excavations</i> , Annals of the University of Petroșani, Mechanical Engineering, Vol. 18 (XLV), 2016, pag. 11-22, ISSN 1454-9166; (revistă categoria B+, cod CNCIS 26; Indexată în Ulrich's Periodicals Directory, EBSCO Publishing Inc., Columbia University Libraries, SCIRIUS, Periodicals.ru, Suweco - <a href="http://upet.ro/annals/mechanical">http://upet.ro/annals/mechanical</a> )		
			GÎLMA, I., & ILIONI, C. (2017). ASPECTS REGARDING MAINTAINABILITY ANALYSIS OF EsRc-1400 BUCKET WHEEL EXCAVATOR. <i>Annals of the University of Petrosani Mechanical Engineering</i> , 19.	=4/3	1,33
			Virág, Z., Fülöp, G., & Fülöp, V. G. (2020). <i>Cutting and Hauling Mining Adapter for Dimension Stone</i> . In <i>Vehicle and Automotive Engineering</i> (pp. 417-423). Springer, SG.	=4/3	1,33

			Pekol, A. (2019). Evaluation and Risk Analysis of Open-Pit Mining Operations. <i>BHM Berg- und Hüttenmännische Monatshefte</i> , 164(6), 232-236.	=4/3	1,33
			VIRÁG, Z., FÜLÖP, V., & MOLNÁR, J. (2018). INITIAL STEPS TO DEVELOP A CUTTING AND HAULING ADAPTER FOR DIMENSION STONE MINING. <i>Annals of the University of Petrosani Mechanical Engineering</i> , 20.	=4/3	1,33
			<b>Articol citat:</b> S.M. Radu, W. Chmielarz, A. Andras - <i>Mining Technological System's Performance Analysis</i> , Annals of the University of Craiova for Journalism, Communication and Management, Volume 2, 2016, ISSN 2501-3513. <u>Indexata RePEc</u> , Google Scholar <a href="http://www.aucjc.ro/wp-content/uploads/2016/10/aucjcm-vol-2-2016-56-64.pdf">www.aucjc.ro/wp-content/uploads/2016/10/aucjcm-vol-2-2016-56-64.pdf</a>		
			Tomuş, O. B., Jula, D., & Rada, A. C. (2017). Reliability Analysis Of The Braking System Of The Industrial Loader/Transporter MACHINES. <i>Annals of the University of Petrosani Mechanical Engineering</i> , 19.	=4/3	1,33
			Vladu, B., Nan, M. S., Dunca, E., & Grigorie, I. E. (2019). Determination Of Indicators Of Sustainable Development Of The Ploşoru Common Rural Area Affected By The Restructure Of The Mining Industry. <i>Annals of the University of Petrosani Mechanical Engineering</i> , 21.	=4/3	1,33
			Brinas, I. K., Rebedea, N. I., & Oltean, I. L. (2018). Bucket wheel excavator cutting tooth stress and deformation analysis during operation using Finite Elements Method (FEM). <i>Mining–Informatics, Automation and Electrical Engineering</i> , 56.	=4/3	1,33
			Popescu, F. D., Radu, S. M., & Ilioni, C. (2017). The Analysis Of The Deformations And Stresses Of The Cutting-Teeth Of Bucketwheel Excavators (Bwes) During Operation, Using Finite Elements Method (FEM). <i>Annals of the University of Petrosani Mechanical Engineering</i> , 19.	=4/3	1,33
			Brinas, I. K., Rebedea, N. I., & Oltean, I. L. (2018). Analiza naprężeń i odkształceń zębów tnących koparki wielonaczyniowej w trakcie pracy z wykorzystaniem metody elementów skończonych (MES). <i>Mining–Informatics, Automation and Electrical Engineering</i> , 56.	=4/3	1,33
			<b>Articol citat:</b> Kovacs, J, Andraş, I., Andraş, A., Tomuş. O.B., <i>Overview Of The Results Obtained In The Field Of Rock Cutting In Underground And Open Pit Conditions. Monografia Nowoczesne metody eksploatacji węgla i skał zwięzłych</i> . Krakow, 2013. Pag. 9-16, Akademia Górniczo-Hutnicza.. Krakow, ISBN 978-83-930353-1-1		
			Tomuş, O. B., & Rada, A. C. (2017). Study Of The Cutting Forces And Specific Cutting Resistance From The Point Of View Of The Cutting Direction Relative To Stratification Of The Coal Seam. <i>Annals of the University of Petrosani Mechanical Engineering</i> , 19.	=4/4	1
			Tomuş, O. B. (2016). Study Regarding The Specific Energy Consumption Used During Lignite And Overburden Rock Excavation In Jilt Open-Pit Mine. <i>Annals of the University of Petrosani Mechanical Engineering</i> , 18.	=4/4	1



			<p><b>Articol citat:</b> Dinescu, S., Andraș, A., <i>Environmental Friendly Equipment and Technology for Underground Civil Excavations</i>, Annals Of The University Of Petrosani, Mechanical Engineering, Vol. 10 (XXXVII) 2008, pag. 47-52; ISSN: 1454-9166 (revistă categoria B+, cod CNCISIS 26; Indexată în Ulrich's Periodicals Directory, EBSCO Publishing Inc., Columbia University Libraries, SCIRIUS, Periodicals.ru, Suweco <a href="http://upet.ro/annals/mechanical">http://upet.ro/annals/mechanical</a></p>		
			Cozma, B. Z., Urdea, G. B., & Dumitrescu, I. (2017). <i>Stand For The Rotative Boring Of Rock Salt</i> . <i>Annals of the University of Petrosani Mechanical Engineering</i> , 19.	=4/2	2
			Dingxiang Zou, <i>Other Underground Excavation Methods</i> . In: <i>Theory and Technology of Rock Excavation for Civil Engineering</i> pp 473-482, ISBN 978-981-10-1988-3, Online ISBN: 978-981-10-1989-0, Springer Publishing, Singapore. DOI: 10.1007/978-981-10-1989-0	=4/2	2
			Zhang Y., Li J., Rao P., <i>Elastic Stress Analytic of the Circular Cavity Expansion Under the Slope</i> , Engineering Mechanics, Apr. 2013. <a href="http://or.nsf.gov.cn/bitstream/00001903-5/297574/1/1000009554812.pdf">http://or.nsf.gov.cn/bitstream/00001903-5/297574/1/1000009554812.pdf</a>	=4/2	2
	3.2. Prezentări invitate în plenul unor manifestări științifice naționale și internaționale și Profesor invitat (excl. ERASMUS)	Punctaj unic pentru fiecare activitate	<p><b>3.2.1. internaționale</b></p> <p>Invited speaker, XI International Conference, MINIG TECHNIQUES „TUR 2019”, Krynica Zdrój, 17 ÷ 20 September 2019</p>		10
	3.3 Membru în colectivele de redacție sau comitete științifice al revistelor și manifestărilor științifice, organizator de manifestări științifice, Recenzor pentru reviste și manifestări științifice naționale și internaționale	Punctaj unic pentru fiecare activitate	<p><b>3.3.1. ISI</b></p> <p>Recenzor jurnal <i>Applied Sciences- Basel</i> (ISSN 2076-3417); <b>Impact Factor: 2.679 Q2/Q3</b></p> <p>Recenzor jurnal <i>Processes</i> (ISSN 2227-9717); <b>Impact Factor: 2.846 Q3</b></p> <p>Recenzor jurnal <i>Actuators</i> (ISSN 2076-0825); <b>Impact Factor: 1.994 Q3</b></p> <p>Recenzor jurnal <i>Energies</i> (ISSN 1996-1073); <b>Impact Factor: 3.004 Q3</b></p> <p>Recenzor jurnal <i>Symmetry-Basel</i> (ISSN 2073-8994); <b>Impact Factor: 2.713 Q2</b></p> <p>Recenzor jurnal <i>Acta Montanistica Slovaca</i> (ISSN 1996-1073); <b>Impact Factor: 1.413 Q3/Q4</b></p> <p><b>3.3.2 BDI</b></p> <p><b>2018-2021</b> – Deputy Editor, Annals Of The University Of Petrosani, Mechanical Engineering, (revistă categoria B+, cod CNCISIS 26)</p> <p><b>2012- 2016</b> – Editor Secretary, Annals Of The University Of Petrosani, Mechanical Engineering, (revistă categoria B+, cod CNCISIS 26)</p> <p><b>2020-2021</b> – Managing Editor, Revista Minelor / Mining Revue, (B+ / Sciendo)</p>		10 10 10 10 10 10 6 6 6

			Recenzor jurnal <i>World Electric Vehicle Journal (Scopus)</i>		6
			Rewiever International Symposium on Occupational Health and Safety, SESAM		6
			Rewiever "UNIVERSITARIA SIMPRO 2021"		6
			National scientific committee, "UNIVERSITARIA SIMPRO 2021"		6
	3.4 Experienta de management	3.4.2 Membru organisme conducere 2*nr ani	Membru Senat (2017-2020)	2*3	6
			Director al Centrului de Presă și Imagine al Universității din Petroșani (din 2017)	2*5	10
	3.6. Membru in academie, organizatii, asociatii profesionale de prestigiu, nationale si internationale,	3.6.4 Asociatii profesionale	<b>3.6.4.2 nationale</b> - AGIR – Asociația Generală a Inginerilor din România - ALUMNI – Asociația Absolvenților Universității din Petroșani - ACM-V - Asociația pentru Cercetare Multidisciplinară din Zona de Vest a României - EMT - Societatea Maghiară Tehnico-Științifică din Transilvania	5 5 5 5	20
<b>PUNCTAJ TOTAL PE ACTIVITATEA A3 REALIZAT</b>					<b>209,99</b>
<b>PUNCTAJ TOTAL PE ACTIVITATEA A3 IMPUS</b>					<b>70</b>

Notă: <sup>x)</sup> bazele de date internaționale (BDI) luate în considerare pentru articolele publicate în volumele unor manifestări științifice cu excepția articolelor publicate în reviste cotate ISI, sunt cele recunoscute pe plan științific internațional precum (nelimitativ): Scopus, IEEE Xplore, Science Direct, Elsevier, Wiley, ACM, DBLP, Springerlink, Engineering Village, Cabi, Emerald, CSA, Compendex, INSPEC.

Petroșani, octombrie 2021

Întocmit,  
Conf. dr. ing. Andraș Andrei



**2. Formula de calcul a indicatorului de merit ( $A=A1+A2+A3$ ),**

$$A = \sum_i k_{1i} + \sum_i k_{2i} + \sum_i k_{3i}$$

unde  $k_{pi}$  = Indicele specific titlului de categorie de activitate

<b>Categoria</b>	<b>Conditii minimale</b>	<b>Punctaj total obținut</b>	<b>Procent total îndeplinire [%]</b>
Activitate didactică și profesională A1	120	516,86	431
Activitate de cercetare A2	260	896,80	344
Recunoașterea și impactul activității A3	70	209,99	300
<b>Total</b>	<b>450</b>	<b>1618,65</b>	<b>359</b>

Întocmit,

Conf. dr. ing. Andraș Andrei

