

UNIVERSITATEA DIN PETROȘANI
 Facultatea de Inginerie Mecanică și Electrică
 Departamentul de Inginerie Mecanică, Industrială și Transporturi
 Concurs pentru ocuparea postului de **profesor universitar**, poz. 4
 Disciplinele: *Transport și instalații miniere*
Proiectare asistată de calculator
Vibrații mecanice.
 Domeniul *Mine, Petrol și Gaze*

FIȘĂ DE VERIFICARE
a îndeplinirii standardelor Universității din Petroșani
de prezentare la concursul pentru postul de profesor universitar

CANDIDAT: ANDRAȘ ANDREI

a) deținerea Ordinului de abilitare în domeniul fundamental al postului scos la concurs;

<i>Domeniul de studii universitare de doctorat</i>	<i>Anul obținerii Ordinului de abilitare</i>	<i>Locul</i>	<i>Îndeplinirea criteriului DA/NU</i>
<i>Mine, Petrol și Gaze</i>	<i>2023</i>	<i>Universitatea din Petroșani</i>	

a) deținerea diplomei de doctor, cu respectarea *Standardelor specifice comisiilor de specialitate ale ARACIS*, în funcție de domeniul postului scos la concurs;

<i>Domeniul de știință</i>	<i>Anul obținerii diplomei de doctor</i>	<i>Locul</i>	<i>Îndeplinirea criteriului DA/NU</i>
<i>Științe ingineresti, Mine, Petrol și Gaze</i>	<i>2006</i>	<i>Universitatea din Petroșani</i>	

b) specializarea candidatului în concordanță cu disciplinele din structura postului scos la concurs;

<i>Studii superioare de specialitate</i>	<i>Specializarea/ Domeniul de știință</i>	<i>Anul obținerii diplomei de absolvire</i>	<i>Locul</i>	<i>Îndeplinirea criteriului DA/NU</i>
<i>Inginer diplomat</i>	<i>Automatică și Informatică Industrială / Știința sistemelor și a calculatoarelor</i>	<i>2001</i>	<i>Universitatea din Petroșani</i>	
<i>Inginer</i>	<i>Ingineria transporturilor și a traficului / Ingineria transporturilor</i>	<i>2013</i>	<i>Universitatea din Petroșani)</i>	

c) îndeplinirea standardelor minime naționale de ocupare a posturilor didactice, specifice funcției didactice de conferențiar universitar, aprobate prin *Ordinul Ministrului Educației Naționale și Cercetării Științifice nr. 6129/20.12.2016 cu Anexele 1-35, privind aprobarea standardelor minime necesare și obligatorii pentru conferirea titlurilor didactice din învățământul superior și a gradelor profesionale de cercetare-dezvoltare, a calității de conducător de doctorat și a atestatului de abilitare potrivit art. 219 alin. (1) lit. a) din Legea nr. 1/2011¹⁾*;

¹⁾ Modelul Fișei de verificare a îndeplinirii standardelor minime naționale este cel specificat în OMENCS nr. 6129/20.12.2016, fiind diferit de la domeniu la domeniu.

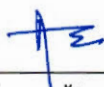
Criterii și indicatori corespunzători standardelor minime naționale, conform OMENCS nr. 619/20.12.2016	Îndeplinirea criteriului DA/NU

NOTĂ: Fișa de verificare se completează de către candidat, mai puțin ultima coloană "Îndeplinirea criteriului DA/NU" care se completează de către Universitatea din Petroșani cu "DA" sau "NU".

- a) un procent de minim 50% din punctajul minim stabilit prin OMENCS nr. 6129/ 20.12.2016 să fie realizat în perioada de timp scursă între ultima promovare și momentul înscrierii la concursul de ocupare a postului didactic.

Punctaj total realizat de candidat, conform OMENCS nr. 6129/20.12.2016	Punctaj realizat de candidat de la ultima promovare	Procentul din punctajul minim realizat după ultima promovare	Îndeplinirea criteriului DA/NU
1984,17	566,38	125,86%	

Candidat,


(semnătura)

Având în vedere gradul de îndeplinire a standardelor Universității din Petroșani de prezentare la concursul de profesor universitar, candidatul _____ îndeplinește/nu îndeplinește condițiile de participare la concursul de ocupare a postului nr. _____ din statul de funcții al Departamentului _____.

Confirm autenticitatea,

Directorul Departamentului _____,
(semnătura)

Comisia tehnică _____
(numele și prenumele)
(semnătura)

(numele și prenumele)

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

Domeniul: Mine, Petrol și Gaze
 Comisia CNATDCU: Inginerie Geologică, Inginerie Geodezică, Mine, Petrol și Gaze
 Candidat: Conf. univ. habil. dr. ing. ANDRAȘ ANDREI

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	Subcategorii	Indicatori unitari	Punctaj realizat
0	1	2	3	4	5	6
1	Activitatea didactică și profesională A1	1.1 Carti si capitole în carti de specialitate	1.1.1. Carti/ capitole ca autor; pentru Profesor / CSI minim 4, din care 1 prim autor	1.1.1.1 Internationale	nr.pagini/ nr.autori	
				1. Sorin Mihai Radu, Florin Dumitru Popescu, Andrei Andraș , 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, Andras A. , 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. A. Andraș , 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, Andraș, A. , Prip, I, Ionițescu, N., <i>An overview of results obtained in the field of water jet and water jet assisted cutting of different rocks and materials, Monografia Nowoczesne metody eksploatacji węgla i skał zwięzłych</i> . Krakow, 2015. Pag. 52-59, Akademia Górnictwo-Hutnicza.. Krakow, ISBN 978-83-930353-5-9	=8/4	2

			5. Andraș, A., 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., Andraș, A., 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 związanych. Krakow, 2013. Pag. 9-16, Akademia Górniczo-Hutnicza.. Krakow, ISBN 978-83-930353-1-1</i>	=8/4	2
			1.1.1.2 Naționale (Edituri recunoscute CNCIS)	<u>nr.pagini/</u> <u>(2*nr.autor</u> <u>i)</u>	
			1. Popescu Florin Dumitru, Radu Sorin Mihai, Andras Andrei , 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, Andras Andrei , <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, Andras Andrei , 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. Andras Andrei , <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	1.1.2.2. Naționale	<u>nr.pag/</u> <u>(3*nr.</u> <u>autori)</u>	
			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; pentru Profesor / CSI: Minim 2 din care 1 ca prim autor;	1.2.1 Manuale, suport de curs	<u>nr. pagini/</u> <u>(6*nr.</u> <u>autori)</u>	
			1. Popescu Florin Dumitru, Radu Sorin Mihai, Andraș Andrei , 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, Andras Andrei , <i>Modelarea si simularea procesului de dislocare utilizand excavatoare cu rotor – varianta electronica</i> , Editura Universitas, Petroșani, 2020, ISBN 978-973-741-693-3, (283 p.)	=283/(6*4)	11,79
			3. Dinescu Stela, Andras Andrei , <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, Andras Andrei , Kertesz Ildiko, <i>Transport si</i>	=442/(6*4)	18,41

				instalatii miniere – varianta electronică, aplicații interactive, Editura Universitas, Petroșani, 2018, ISBN 978-973-741-588-2, (442 p.)		
				5. Andras Andrei , <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. Andras Andrei , <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; pentru Profesor / CSI: Minim 2 din care 1 ca prim autor;	Indrumare de laborator/aplicatii		nr. pagini/ (6*nr. autori)	
			1. Andras Andrei , <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. Andras Andrei , <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	Coordonare de programe de studii 15 (Punctaj unic pentru fiecare activitate)			
Sisteme de transport pentru turism, industrie și servicii (MASTER)				15		
PUNCTAJ TOTAL PE ACTIVITATEA A1 REALIZAT						516,86
PUNCTAJ TOTAL PE ACTIVITATEA A1 MINIM IMPUS						120
0	1	2	3	4	5	6
2 1 2, 5 +	Activitatea de cercetare A2	2.1 Articole in reviste cotate ISI Thomson Reuters si in volume indexate ISI proceedings	Minim 10 articole Pentru Profesor/ CSI	2.1 Articole in reviste cotate ISI Thomson Reuters si in volume indexate ISI proceedings	(25+20* factor impact)/nr. de autori	
				1. Alexandru, T.G.; Alexandru, A.; Popescu, F.D.; Andraș, A. <i>The Development of an Energy Efficient Temperature Controller for Residential Use and Its Generalization Based on LSTM.</i> SENSORS 22023, 23, 1, 453, I.F. 3.847, Q2 , DOI: 10.3390/s23010453, WOS:000909162300001. https://doi.org/10.3390/s23010453	= (25+20*3, 847)/4	25,49
				2. Radu, S.M.; Popescu, F.D.; Andras, A. ; Virag, Z.; Brinas, I.; Draica, M.-I.; <i>A Thermo-Mechanical Stress Based Fatigue Life Evaluation of a Mine Hoist Drum Brake System Using COMSOL Multiphysics.</i> MATERIALS 2022, 15, 19, 6558, I.F.: 3.748, Q1 , DOI: 10.3390/ma15196558, WOS:000867025600001. https://www.webofscience.com/wos/woscc/full-record/WOS:000867025600001	= (25+20*3, 748)/6	16,66

			3. Brînaş, I.; Andraş, A.; Radu, S.M.; Popescu, F.D.; Tomuş, O.B.; Maniţiu, D. <i>INVESTIGATION OF CABIN VIBRATION EXPOSURE IN A BUCKET-WHEEL EXCAVATOR (BWE) DURING PERMANENT EXCAVATION REGIME WITH COMPUTER SIMULATION</i>. Acta Technica Napocensis Series-Applied Mathematics Mechanics and Engineering, Volume: 65, Issue: 2, Pages: 205-210, Published: JUN 2022, ISSN: 1221-5872. WOS:000838236300010. https://1d10q2xej-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000838236300010	=25/6	4,17
			4. Popescu, F.D.; Radu, S.M.; Andras, A.; Brinas, I.; Budilica, D.I.; Popescu V.; <i>Comparative Analysis of Mine Shaft Hoisting Systems' Brake Temperature Using Finite Element Analysis (FEA)</i>, MATERIALS 2022, 15, 9, 3363, I.F.: 3.748, Q1, DOI: 10.3390/ma15093363. WOS:000800732600001. https://www.webofscience.com/wos/woscc/full-record/WOS:000800732600001	=(25+20*3,748)/6	16,66
			5. Andraş, A.; Radu, S.M.; Brînaş, I.; Popescu, F.D.; Budilică, D.I.; Korozsi, E.B. <i>Prediction of Material Failure Time for a Bucket Wheel Excavator Boom Using Computer Simulation</i>. Materials 2021, 14, 7897. I.F. 3.623 Q1 DOI: 10.3390/ma14247897. WOS:000738459300001 https://www.webofscience.com/wos/woscc/full-record/WOS:000738459300001?SID=C1IS3QLxFLomRxWzhVR	=(25+20*3,623)/6	16,24
			6. Brînaş, I., Andraş, A., Radu, S.M., Popescu, F.D., Andraş, 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 https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000671317100001	=(25+20*3,004)/7	12,15
			7. Andraş, A., 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. WOS: 000684576900004. https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000684576900004	=25/6	4,17
			8. Radu, S.M., Popescu, F.D., Andraş, A., 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. I.F. 1,523 Q3. WOS: 000667515100005. https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000667515100005	=(25+20*1,523)/6	9,24

			9. Popescu, F. D., Radu, S. M., Andraș, A., Brînaș, I. <i>Numerical Modeling of Mine Hoist Disc Brake Temperature for Safer Operation</i>. Sustainability, 2021, 13(5), 2874. I.F. 3,251 Q2. WOS:000628676400001. https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000628676400001	$= (25+20 \times 3,251)/4$	22,51
			10. Popescu, F.D., Radu, S.M., Andraș, A., Brînaș, 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. WOS: 000606612500002. https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000606612500002	$=25/6$	4,17
			11. Kotwica, K., Suffner, H., Andras, A. <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. WOS:000562281600009. https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000562281600009	$=25/3$	8,33
			12. Peter, E., Andras, A. <i>The Representational Space of the Jiu Valley: Space Perceived Through Direct Experience</i>. Postmodern Openings, 2020, 11(3), 129-144. WOS:000577502200007. DOI: 10.18662/po/11.3/203. https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000577502200007	$=25/2$	12,5
			13. Popescu, F.D.; Andraș, A.; Kertesz (Brînaș), 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. WOS:000550992100004. https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000550992100004	$=25/3$	8,33
			14. 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</i>. Sustainability. 2019, 11 (16), 4357. I.F. 2,592 Q2. DOI:10.3390/su11164357 WOS:000484472500101 https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000484472500101	$= (25+20 \times 2,592)/5$	15,37
			15. Radu, SM; Popescu, FD; Andras, A; 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.	$=25/5$	5

			WOS:000459686300063 https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000459686300063		
			16. Tomuş, O.B.; Andraş, A.; 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. WOS:000569367700020. DOI: 10.1051/mateconf/201929001020. https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000569367700020	=25/4	6,25
			17. Popescu, F.D.; Radu, S.M.; Andraş, A.; 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. WOS:000569367700057. DOI: 10.1051/MATECONF/201929004007. https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000569367700057	=25/4	6,25
			18. Tomuş, O.B., Andraş, A., 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 8th 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. WOS:000435283800117. DOI: 10.1051/mateconf/201712110005 https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000435283800117	=25/3	8,33
			19. Irimie S.I., Radu S.M., Petrilean D.C., Andraş A., <i>Reducing the environmental impact of a gas operated cogeneration installation</i>, The 8th 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. WOS:000435283800117 DOI: 10.1051/mateconf/201712101016 https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000435283800117	=25/4	6,25
			20. Stela Dinescu, Andrei Andras <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. WOS:000276584000021 https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000276584000021	25/2	12,5
	2.2. Articole in reviste si	Minim 20 articole pentru Profesor	2.2. Articole in reviste si volumele unor manifestări științifice indexate în alte baze de date internationale	25/nr. de autori	

volumele unor manifestări științifice indexate în alte baze de date internaționale*	1. Măceșaru (Lăpăduși), I.C., Popescu, F.D., Andraș, A. <i>Stress-Strain Study Of A Powered Roof Support Section Using Numeric Simulation</i> . Annals of the University of Petrosani Mechanical Engineering. 2022, Vol. 24, pp. 89-100. [Ebsco, Google Scholar, Copernicus, DOAJ] https://www.upet.ro/annals/mechanical/pdf/2022/10_Macesanu%20Formatata%20RO.pdf	=25/3	8,33
	2. Popescu, F. D., Andraș, A. , Brînaș, I. <i>Determination Using FEA Of The Static Stress Of A Mine Hoist Drum After Safety Braking</i> . Annals of the University of Petrosani Mechanical Engineering. 2022, Vol. 24, pp. 125-140. [Ebsco, Google Scholar, Copernicus, DOAJ] https://www.upet.ro/annals/mechanical/pdf/2022/13_Popescu_Andras_Brinas_2.pdf	=25/3	8,33
	3. Andras, A. , Popescu, F. D., Brînaș, I. <i>Computerised Analysis Of The Air Resistance For A Forward Moving Vehicle</i> . Annals of the University of Petrosani Mechanical Engineering. 2022, Vol. 24, pp. 1-12. [Ebsco, Google Scholar, Copernicus, DOAJ] https://www.upet.ro/annals/mechanical/pdf/2022/01_Andras_Popescu_Brinas.pdf	=25/3	8,33
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			kJ0kTRYSYVNdqMEZxxRHOQ1pHCUHqe5apULIE2ispa2x%2bPrfw%3d%3d&crI=c&resul tNs=AdminWebAuth&resultLocal=ErrCrINotAuth&crIhashurl=login.aspx%3fdirect%3dtrue %26profile%3dehost%26scope%3dsite%26authtype%3dcrawler%26jml%3d14549166%26A N%3d86951726		
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			68. Popescu Fl., Andras, A. , 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+, cod CNCIS 26; Indexată în Ulrich's Periodicals Directory, EBSCO Publishing Inc., Columbia University Libraries, SCIRIUS, Periodicals.ru, Suweco - http://upet.ro/annals/mechanical)	=25/4	6.25
	2.4. Granturi/proiecte câștigate prin competiție	2.4.1. Director/responsabil - minim 2 pentru profesor / CSI	2.4.1.1. Internaționale	30*ani de desfășurare	
			1. Director proiect - MIWACUT, <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 (octombrie 2019 – septembrie 2022). Valoare partener Upet: 53.200 Euro (252.168 lei). Depus în cadrul ERA-NET Cofund on Raw Materials (ERA-MIN 2) https://www.era-min.eu/sites/default/files/docs/era-min_joint_call_2018_-_list_of_funded_projects_table.pdf .	=30*3	90
			2.4.1.2. Naționale	15*ani de desfășurare	

			1. Manager de proiect - Cresterea capacitatii de cercetare a Universitatii Petrosani prin investitii in infrastructuri de tip Cloud si Big Data, Apel: POC/398/1/1. Durată: 12 luni (Septembrie 2021 – August 2022). Valoare: 4.978.907,77 lei	=15*2	30
			2. Responsabil contract - 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	2.4.2.1. Internaționale	10*ani de desfășurare	
			1. Membru în echipă - 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 https://ec.europa.eu/research/industrial_technologies/pdf/rfcs/synopsis_projects_2015.pdf	=10*3	30
			2. Membru în echipă - CASC- Cities and Science Communication: Innovative Approaches to Engaging the Public /FP7 Coordination and support actions (Science in Society Priority). http://cordis.europa.eu/project/rcn/91174_en.html	=10*2	20
			2.4.2.2. Membru in echipa unor granturi naționale	5*ani de desfășurare	
			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
	2.5. Proiecte de cercetare/ consult anta (valoare de	2.5.2. Membru in echipa (3*ani desfășurare)	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
			Membru in echipă	6* ani de desfășurare	
			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 descoperță. 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 descoperța 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
PUNCTAJ TOTAL PE ACTIVITATEA A2 REALIZAT						1068,09
PUNCTAJ TOTAL PE ACTIVITATEA A2 MINIM IMPUS						260
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	3.1.1. Citări în reviste ISI Articol citat: Popescu, F.D.; Radu, S.M.; Kotwica, K.; Andraș, A.; Kertesz (Brînaș), I. Simulation of the Time Response of the ERc 1400-30/7 Bucket Wheel Excavator's Boom during the Excavation Process. Sustainability 2019, 11, 4357. https://doi.org/10.3390/su11164357 WOS:000484472500101 https://publons.com/publon/21231929/ http://cel.webofknowledge.com/InboundService.do?customersID=Publons_CEL&smartRedirect=yes&mode=FullRecord&IsProductCode=Yes&product=CEL&Init=Yes&Func=Frame&action=retrieve&SrcApp=Publons&SrcAuth=Publons_CEL&SID=C1WcNkoCngcqD6o3tvX&UT=WOS%3A000484472500101		

			Gnjatovic, N; Bosnjak, S; Stefanovic, A. <i>Analysis of the Dynamic Response as a Basis for the Efficient Protection of Large Structure Health Using Controllable Frequency-Controlled Drives</i> . Mathematics. 11(1), 154, DOI: 3390/math11010154	=8/5	1,6
			Rafajłowicz, W., Więckowski, J., Moczko, P., Rafajłowicz, E. (2020) <i>Iterative learning from suppressing vibrations in construction machinery using magnetorheological dampers</i> . Automation in Construction, 119, p.103326. https://apps-whoofknowledge-com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=CitingArticles&qid=21&SID=D4E1wLYuhWFsZaF2Gt7&page=1&doc=1	=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</i> . Min. miner. depos. 2020, 14(4):40-46. https://apps-whoofknowledge-com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=CitingArticles&qid=28&SID=D4E1wLYuhWFsZaF2Gt7&page=1&doc=2	=8/5	1,6
		Articol citat: Popescu, F. D., Radu, S. M., Andraș, A., Brînaș, I. <i>Numerical Modeling of Mine Hoist Disc Brake Temperature for Safer Operation</i> . Sustainability, 2021, 13(5), 2874. I.F. 3,251 Q2. WOS:000628676400001. https://www-whoofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000628676400001			
			Li D, Wang S, Fang X, Guo Y, Hu N, Zhang D. Research progress of temperature field calculation of disc brake braking interface based on numerical analysis. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering. 2022. doi:10.1177/09544070221128288	=8/4	2
			Ungureanu M, Medan N, Ungureanu NS, Pop N, Nadolny K. Tribological Aspects Concerning the Study of Overhead Crane Brakes. Materials. 2022; 15(19):6549. https://doi.org/10.3390/ma15196549	=8/4	2
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			Putra MRA, Nizam M, Tjahjana DDDP, Arifin Z, Lenggana BW, Inayati I. Analysis of Heat Generation on Unipolar Axial Eddy Current Brake Disc and Its Effect on Braking Performance. <i>World Electric Vehicle Journal</i> . 2022; 13(10):180. https://doi.org/10.3390/wevj13100180	=8/6	1,33
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			Rewiever "UNIVERSITARIA SIMPRO", 2020, 2021, 2022		6
			National scientific committee, "UNIVERSITARIA SIMPRO 2021"		6
	3.4 Experienta de management	3.4.1. Experiență managerială de conducere 5*nr ani	Prodecan (2022-2023)	5*2	10
			Director al Centrului de Presă și Imagine al Universității din Petroșani (2017-2022)	5*6	30
		3.4.2 Membru organisme conducere 2*nr ani	Membru Senat (2017-2020 și 2022-2023)	2*6	12
			Membru Consiliul Facultății IME (2022-2023)	2*6	12
	3.5. Premii	3.5.4 Premii naționale în domeniu (10 puncte/activitate)	Premierea rezultatelor cercetării PN-IV-P2-2.3-PRECISI-2023-73290 Premierea rezultatelor cercetării PN-IV-P2-2.3-PRECISI-2023-72733 Premierea rezultatelor cercetării PN-IV-P2-2.3-PRECISI-2023-70995 Premierea rezultatelor cercetării PN-III-P1-1.1-PRECISI-2021-56139 Premierea rezultatelor cercetării PN-III-P1-1.1-PRECISI-2020-50466	5*10	50
	3.6. Membru in academii, organizatii, asociatii profesionale de prestigiu, nationale si internationale,	3.6.4 Asociatii profesionale	3.6.4.1. internaționale - IAENG Society of Industrial Engineering - IAENG Society of Mechanical Engineering	10 10	20
			3.6.4.2 nationale - 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 - Asociația Societatea Maghiară Tehnico-Științifică Din Transilvania-EMT - ARMIR – Asociația Română de Mecanica Ruperii	5 5 5 5 5	25
PUNCTAJ TOTAL PE ACTIVITATEA A3 REALIZAT					399,22
PUNCTAJ TOTAL PE ACTIVITATEA A3 IMPUS					70
Legendă: Punctaj realizat de la ultima promovare					BOLD

Notă: ^{x)} 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, iulie 2023

Întocmit,
Conf.univ.habil.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

<i>Domeniul de activitate</i>	<i>Condiții minimele profesor</i>	<i>Punctaj total obținut</i>	<i>Procent îndeplinire criteriu [%]</i>
<i>Activitate didactică și profesională A1</i>	<i>Minimum 120 puncte</i>	516,86	430,70%
<i>Activitate de cercetare A2</i>	<i>Minimum 260 puncte</i>	1068,09	410,81%
<i>Recunoașterea și impactul activității A3</i>	<i>Minimum 70 puncte</i>	399,22	570,31%
Total	Minimum 450 puncte	1984,17	440,93%

<i>Punctaj total realizat de candidat, conform OMENCs nr. 6129/20.12.2016</i>	<i>Punctaj realizat de candidat de la ultima promovare</i>	<i>Procentul din punctajul minim realizat după ultima promovare</i>
1984,17	566,38	125,86%

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