

**UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" DIN IAȘI**  
**FACULTATEA DE INGINERIE ELECTRICĂ, ENERGETICĂ ȘI INFORMATICĂ APLICATĂ**  
**DEPARTAMENTUL DE UTILIZĂRI, ACȚIONĂRI ȘI AUTOMATIZĂRI INDUSTRIALE**

**Domeniul de studii: INGINERIE ELECTRICĂ**

Concurs pentru ocuparea postului de **Conferențiar Universitar**, poz. 7

Disciplinele postului:     **1. Roboți industriali**  
                                      **2. Manipulatoare și Roboți Industriali**  
                                      **3. Teoria Sistemelor**

**FIȘA DE VERIFICARE**

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

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Candidat: **Irimia Dănuț Constantin**, Data nașterii: **16.08.1985**, Funcția ocupată: **Șef de lucrări**, Data numirii în funcția actuală: **12.Febr. 2018**.

**Tabel 1: Condiții minime / punctaje obținute (în conformitate cu Domeniul CNATDCU Inginerie Electrică)**

Nr. crt.	Domeniul de activitate	Condiții conferențiar	Punctaj obținut
1	Activitatea didactică/profesională (A1)	Minimum 60	63,47
2	Activitatea de cercetare (A2)	Minimum 180	303,27
3	Recunoașterea impactului activității (A3)	Minimum 60	89,93
TOTAL		Minimum 300	456,67

**Tabelul 2. Tabel cu structura activității candidatului**

Nr. crt.	Domeniul activităților	Tipul activităților	Categorii și restricții	Subcategorii	Indicatori (kpi)	Realizări	Punctaj
0	1	2	3	4	5	6	7
1	Activitatea didactică și profesională (A1)	1.1 Cărți și capitole în cărți de specialitate	1.1.1 Cărți cu ISBN/ capitole ca autor: conferențiar minim 2	1.1.1.1 internaționale	nr. pagini/ (2*nr. autori)	10	20.62
				1.1.1.2 naționale	nr. pagini/ (5*nr autori)	2	22.8
			1.1.2 Cărți/ capitole de cărți ca editor/coordonator	1.1.2.1 internaționale	nr. pagini/ (3*nr. autori)		-
				1.1.2.2 naționale	nr. pagini/ (7*nr. autori)		-
		1.2 Suport didactic	1.2.1 Suport de curs inclusiv electronic: conferențiar minimum 1		nr. pagini/ (10*nr. autori)	2	19.4
			1.2.2 Îndrumare de laborator/ aplicații: conferențiar minimum 1		nr. pagini/ (20*nr. autori)	1	0.65
		1.3 Coordonare de programe de studii, organizare și coordonare programe de formare continuă și proiecte educaționale	Punctaj unic pentru fiecare activitate		10		-
TOTAL Puncte Activitatea didactică/profesională (A1)					63.47		
2	Activitatea de cercetare (A2)	2.1 Articole în extenso în reviste cotate WOS Thomson-Reuters <sup>(1)</sup> , în volume proceedings indexate WOS Thomson-Reuters și brevete indexate WOS Derwent	Minim 7 articole, din care minimum 2 ca prim autor și minim 2 în reviste		(25 + 20 * factor impact <sup>(2)</sup> ) / nr. de autori	25 din care 8 ca prim autor și 6 în reviste	181.6
		2.2 Articole în reviste și volumele unor manifestări științifice indexate în alte baze de date internaționale (BDI <sup>(3)</sup> )	Minim 15 articole din care minimum 2 în reviste		20/nr. de autori	16 din care 5 în reviste	74.67
		2.3 Brevete de invenție indexate în alte baze de date		2.3.1 internaționale	25/nr. de autori		-
				2.3.2 naționale	15/nr. de autori	1	3
		2.4 Granturi/proiecte câștigate prin competiție națională/internațională <sup>(4)</sup>	2.4.1 Director/responsabil proiect - Minimum 1 pentru conferențiar	2.4.1.1 internaționale	20*ani de desfășurare		-
				2.4.1.2 naționale	10*ani de desfășurare	1	20

			2.3.2 Membru in echipa	2.4.2.1 internaționale	4*ani de desfășurare	-	-
				2.4.2.2 naționale	2*ani de desfășurare	5	24
		2.5 Contracte de cercetare/ consultanță (valoare echivalentă de minimum 2.000 euro).	2.5.1 Director / Responsabil proiect partener		5*ani de desfășurare		-
			2.5.2 Membru în echipă		2*ani de desfășurare		-
		<b>TOTAL PUNCTE Activitatea de cercetare (A2)</b>				<b>303.27</b>	
3	Recunoașterea impactului activității (A3)	3.1 Citări în reviste WOS și volumele conferințelor WOS <sup>(5)</sup>	3.1.2 WOS (minim 7 citări)		5/nr. autori ai art. citat	66	64.93
		3.2 Citări în reviste și volumele conferințelor BDI <sup>(5)</sup>	3.2.2 BDI (Minimum 10 citări)		3/nr. autori ai art. citat	20	15
		3.3 Prezentări invitate în plenumul unor manifestări științifice naționale și internaționale și Profesor invitat (exclusiv POS, ERASMUS)	Punctaj unic pentru fiecare activitate	3.3.1 internaționale	20		-
				3.3.2 naționale	5		-
		3.4 Membru în colectivele de redacție sau comitete științifice ale revistelor și manifestărilor științifice, organizator de manifestări științifice, recenzor pentru reviste și manifestări științifice naționale și internaționale (punctajul se acorda pentru fiecare, revistă, manifestare științifică și recenzie).		3.4.1 WOS	10	1	10
				3.4.2 BDI	6		-
				3.4.3 naționale și internaționale neindexate	3		-
		3.5. Referent în comisii de doctorat		3.5.1 internaționale	10		-
				3.5.2 naționale	5		-
		3.6 Premii		Academia Romana	30		-
				ASAS, AOSR, academii de ramura și CNCS	15		-
				premii internaționale	10		-
				premii naționale în domeniu	5		-
		3.7 Membru în academii,	3.7.1 Academia Romana		100		-

		organizații, asociații profesionale de prestigiu, naționale și internaționale, apartenență la organizații din domeniul educației și cercetării	3.7.2 ASAS, AOSR și academii de ramură		30		-
			3.7.3 Conducere asociații profesionale	internaționale	30		-
				naționale	10		-
			3.7.4 Asociații profesionale	internaționale	5		-
				naționale	2		-
			3.7.5 Consilii și organizații în domeniul educației și cercetării	Conducere	15		-
				Membru	10		-
			Total puncte Recunoașterea impactului activității (A3)				
Total puncte					456,67		

# 1. ACTIVITATE DIDACTICA SI PROFESIONALA (A1)

## 1.1. Cărți și capitole în cărți de specialitate (cu ISBN)

Nr. crt.	Subcategorii (National / International)	Rezultate (punctaje)	Cărți de specialitate/Capitole de cărți (titlul, autorii, nr. pagini, Editura, ISBN)	Nr pagini
0	1	2	3	4
1	Național	22.2	Danut Constantin Irimia, Marian Silviu Poboroniuc, <i>Elemente de Analiză și Control în Sisteme Tip Interfața Creier-Claculator</i> , Editura PIM, Iași, ISBN 978-606-13-7332-1, 2022.	222
2	Internațional	4.95	V. Bobot, J.K. Borup, S.D. Ionascu, M. Vettensaari, S. Wintgen, Poboroniuc M., R. Ionascu, <b>D. Irimia</b> , M.C. Stefan, M. Bacosca, Editori: V. Bobot, J.K. Borup, S.D. Ionascu, M. Vettensaari, S. Wintgen; <i>How to build a robot</i> , Edited by WEBPRINT s.r.o., Trencin, Slovak Republic, ISBN 978-80-970475-2-8, 2010	99
3	Internațional	1.25	Ortner, R., Dinarès-Ferran, J., Irimia, DC., Guger, C. (2021). Towards Improved Vibro-Tactile P300 BCIs. In: Kurosu, M. (eds) <i>Human-Computer Interaction. Interaction Techniques and Novel Applications. HCII 2021. Lecture Notes in Computer Science()</i> , vol 12763. Springer, Cham. <a href="https://doi.org/10.1007/978-3-030-78465-2_6">https://doi.org/10.1007/978-3-030-78465-2_6</a> , Online ISBN: 978-3-030-78465-2	10
4	Internațional	1.83	Poboroniuc, MS., Irimia, DC., Popescu, G. (2021). Rehabilitation Aims and Assessed Brain Activity by Means of Brain-Computer Interfaces in People in a Vegetative State - Preliminary Results. In: Kurosu, M. (eds) <i>Human-Computer Interaction. Theory, Methods and Tools. HCII 2021. Lecture Notes in Computer Science()</i> , vol 12762. Springer, Cham. <a href="https://doi.org/10.1007/978-3-030-78462-1_44">https://doi.org/10.1007/978-3-030-78462-1_44</a> , Online ISBN: 978-3-030-78462-1	11
5	Internațional	5.5	Poboroniuc, MS., Irimia, DC. (2020). Intelligent Functional Electrical Stimulation. In: Costin, H., Schuller, B., Florea, A. (eds) <i>Recent Advances in Intelligent Assistive Technologies: Paradigms and Applications. Intelligent Systems Reference Library</i> , vol 170. Springer, Cham. <a href="https://doi.org/10.1007/978-3-030-30817-9_3">https://doi.org/10.1007/978-3-030-30817-9_3</a> , Online ISBN: 978-3-030-30817-9	22
6	Internațional	0.6	Christoph Guger, Rossella Spataro, Jitka Annen, Rupert Ortner, Danut Irimia, Brendan Allison, Vincenzo La Bella, Woosang Cho, Günter Edlinger, Steven Laureys, <i>Brain-Computer Interfaces for Motor Rehabilitation, Assessment of Consciousness, and Communication</i> , In book: <i>Brain-Computer Interfaces Handbook</i> , Imprint: CRC Press, Taylor & Francis Group, 2018, eBook ISBN9781351231954	12

7	Internațional	0.36	Ren Xu, Brendan Z. Allison, Rupert Ortner, Danut C. Irimia, Arnau Espinosa, Alexander Lechner & Christoph Guger (2017). How Many EEG Channels Are Optimal for a Motor Imagery Based BCI for Stroke Rehabilitation?. In: Ibáñez, J., González-Vargas, J., Azorín, J., Akay, M., Pons, J. (eds) Converging Clinical and Engineering Research on Neurorehabilitation II. Biosystems & Biorobotics, vol 15. Springer, Cham, <a href="https://doi.org/10.1007/978-3-319-46669-9_180">https://doi.org/10.1007/978-3-319-46669-9_180</a> , Online ISBN: 978-3-319-46669-9	5
8	Internațional	2.3	Nirvana Popescu, Marian Poboroniuc, Decebal Popescu, Dănuț Irimia, Alexandru Valer Grigoraș, “Intelligent system for after-stroke home rehabilitation” – book chapter 14 in “Enhanced Living Environments: From Models to Technologies”, editors Rossitza Ivanova Goleva, Ivan Ganchev, Ciprian Dobre, Nuno Garcia and Carlos Valderrama, IET Publishing, ISBN: 978-1-78561-211-4, pp. 345-367, 2017., Indexed IET Digital Library.	23
9	Internațional	1.2	Sabathiel, N., Irimia, D.C., Allison, B.Z., Guger, C., Edlinger, G. (2016). Paired Associative Stimulation with Brain-Computer Interfaces: A New Paradigm for Stroke Rehabilitation. In: Schmorow, D., Fidopiastis, C. (eds) Foundations of Augmented Cognition: Neuroergonomics and Operational Neuroscience. AC 2016. Lecture Notes in Computer Science(), vol 9743. Springer, Cham. <a href="https://doi.org/10.1007/978-3-319-39955-3_25">https://doi.org/10.1007/978-3-319-39955-3_25</a> , Online ISBN: 978-3-319-39955-3	12
10	Internațional	1.13	Rupert Ortner, Danut C. Irimia, Christoph Guger, Guenter Edlinger, “Human Computer Confluence in BCI for Stroke Rehabilitation”, book chapter in “Foundations of Augmented Cognition”, Volume 9183 of the series Lecture Notes in Computer Science pp 304-312, Editors: Dylan D. Schmorow, Cali M. Fidopiastis, DOI: 10.1007/978-3-319-20816-9_29, Print ISBN: 978-3-319-20815-2, Online ISBN: 978-3-319-20816-9, Series Title: Lecture Notes in Computer Science, Series Volume: 9183, Series ISSN: 0302-9743, Publisher: Springer International Publishing, Copyright: Springer International Publishing Switzerland, 2015.	9
11	Internațional	1.5	Popescu D., Selisteanu D., Poboroniuc M., Irimia D.C., Robotics application within bioengineering: Neuroprosthesis test bench and model based neural control for a robotic leg, Proceedings of the 3rd International Conference on Intelligent Decision Technologies (IDT' 2011), INTELLIGENT DECISION TECHNOLOGIES (book chapter), J. Watada et al. (Eds.), Vol.10, Part 1, pp.283-294, ISSN 2190-3018, ISBN 978-3-642-22193-4, e-ISBN 978-3-642-22194-1, DOI 10.1007/978-3-642-22194-1, 2011, Edited by Springer-Verlag Berlin Heidelberg, 2011.	12

12	Național	0.6	Irimia D.C, Poboroniuc M. S., Motor Imagery Based BCI Approach to Control Neuroprostheses, in Proceedings of the International Workshop FIHS2012- "Fostering Innovation in Healthcare Services", March 14-15, 2012, Brasov, Romania, FIHS Book chapter, pp. 113-118, Editors: Theodor Borangiu, Radu Dobrescu, Editura Universitara Carol Davila, ISBN: 978-973-708-659-4, 2012.	6
	<b>TOTAL</b>	<b>43.42</b>	-	

## 1.2. Suport didactic

Nr. crt.	Subcategorii	Rezultate (punctaje)	Cărți și capitole în cărți de specialitate	Nr pagini
0	1	2	3	4
1	Suport de curs	7	Dănuț Constantin Irimia, <i>Manipulatoare și Roboți Industriali. Note de curs.</i> Suport de curs în format electronic disponibil on-line.	70
2	Suport de curs	12.4	Dănuț Constantin Irimia, <i>Circuite Numerice. Note de curs.</i> Suport de curs în format electronic disponibil on-line.	124
3	Indrumar de laborator	0.5	Editori: Silvia-Daniela Ionascu, M.S. Poboroniuc, Radu Ionascu. Autori: V. Bobot, S.D. Ionascu, Poboroniuc M., J.K. Borup, M. Vettensaari, S. Wintgen, M. Ciulei, D. Irimia, M. Bacosca, G. Eusebiu, <i>Cum se construiește un robot</i> ; Proiect ROKEY 2008-2010, Editura IMPRIMIS, Iasi, Romania, ISBN 978-606-92400-1-4, 2011.	99
	<b>TOTAL</b>	<b>19.9</b>		

## 1.3. Coordonare de programe de studii, organizare și coordonare programe de formare continuă și proiecte educaționale (POS, ERASMUS, sa).

Nr. crt.	Subcategorii (National / International)	Rezultate (punctaje)	Coordonare de programe de studii, organizare și coordonare programe de formare continuă și proiecte educaționale (POS, ERASMUS, sa)
0	1	2	3
1	International	-	-
	<b>TOTAL</b>	<b>-</b>	<b>-</b>

## 2. ACTIVITATE DE CERCETARE (A2)

### 2.1. Articole publicate in extenso in reviste și în volume proceedings indexate WOS Thomson-Reuters

Nr. crt.	Rezultate (punctaje)	Titlul lucrării, autorii, revista, pag (de la – pana la), vol....,	FI
0		2	3
1	18.33	Hayta, Ünal, <b>Danut Constantin Irimia</b> , Christoph Guger, İbrahim Erkutlu, and İbrahim Halil Güzelbey. 2022. "Optimizing Motor Imagery Parameters for Robotic Arm Control by Brain-Computer Interface" Brain Sciences 12, no. 7: 833. <a href="https://doi.org/10.3390/brainsci12070833">https://doi.org/10.3390/brainsci12070833</a> , WOS:000832226600001.	3.333
2	15.28	Alin Moldoveanu, Oana-Maria Ferche, Florica Moldoveanu, Robert Gabriel Lupu, Delia Cinteza, <b>Danut Constantin Irimia</b> , and Corneliu Toader, "The TRAVEE System for a Multimodal Neuromotor Rehabilitation", IEEE Access, Vol. 7, pp. 8151-8171, Electronic ISSN: 2169-3536, DOI: 10.1109/ACCESS.2018.2886271, WOS:000456912800001	4.098
3	10.37	<b>Irimia, D. C.</b> , Cho, W., Ortner, R., Allison, B. Z., Ignat, B. E., Edlinger, G. and Guger, C. (2017), "Brain-Computer Interfaces With Multi-Sensory Feedback for Stroke Rehabilitation: A Case Study". Artificial Organs, 41, pp. E178–E184. doi:10.1111/aor.13054, Online ISSN: 1525-1594, ISI Journal Citation Reports Ranking: 2018: 15/25 (Transplantation); 37/80 (Engineering Biomedical), WOS:000415710300002	2.379
4	10.58	Robert Gabriel Lupu, <b>Danut Constantin Irimia</b> , Florina Ungureanu, Marian Silviu Poboroniuc, and Alin Moldoveanu, "BCI and FES Based Therapy for Stroke Rehabilitation Using VR Facilities," Wireless Communications and Mobile Computing, vol. 2018, Article ID 4798359, 8 pages, 2018. <a href="https://doi.org/10.1155/2018/4798359">https://doi.org/10.1155/2018/4798359</a> , WOS:000429296100001	1.396
5	9.5	A. V. Grigoras, <b>D. C. Irimia</b> , M. S. Poboroniuc, C. D. Popescu: „Testing of a Hybrid FES-Robot Assisted Hand Motor Training Program in Sub-Acute Stroke Survivors”. Advances in Electrical and Computer Engineering 01/2016; 16(4):89-94., DOI:10.4316/AECE.2016.04014, WOS:000390675900014	0.65
6	6.25	Ortner R., <b>Irimia D.-C.</b> , Scharinger J., Guger C. (2012 b), A Motor Imagery based Brain-Computer Interface for Stroke Rehabilitation, Annual Review of Cyber Therapy and Telemedicine 2012 – Advanced Technologies in the Behavioral, Social and Neurosciences, Editors: Brenda K. Wiederhold and Giuseppe Riva, IOS Press, pp. 319-323, DOI: 10.3233/978-1-61499-121-2-319, 2012	0
7	4.17	M. Poboroniuc, <b>D. Irimia</b> , R. Ionașcu, A. I. Roman, A. Mitocaru and A. Baciuc, "Design and Experimental Results of New Devices for Upper Limb Rehabilitation in Stroke," 2021 International Conference on e-Health and Bioengineering (EHB), 2021, pp. 1-4, doi: 10.1109/EHB52898.2021.9657726. WOS:000802227900186	0
8	6.25	A. -I. Roman, M. -S. Poboroniuc, D. Sticea and <b>D. -C. Irimia</b> , "Improved Software and Hardware of a Device Aiming to Assess Hand Movements During Rehabilitation in Hemiparetic People," 2020 International Conference on e-Health and Bioengineering (EHB), 2020, pp. 1-4, doi: 10.1109/EHB50910.2020.9279875, WOS:000646194100001	0
9	6.25	I Doroftei, C M Racu, C Honceriu and <b>D Irimia</b> , A one-degree-of freedom ankle rehabilitation platform, IOP Conf. Ser.: Mater. Sci. Eng. 591 012076, WOS:000562929900076	0
10	6.25	<b>D. C. Irimia</b> , A. Mitocaru, A. G. Baciuc and M. Silviu Poboroniuc, "Steady-State Visual Evoked Potentials-based Control of a Mobile Robot Platform as a Preamble to Support Paraplegics Mobility," 2019 E-Health and Bioengineering Conference (EHB), 2019, pp. 1-4, doi: 10.1109/EHB47216.2019.8969966, WOS:000558648300098	0
11	5	<b>Irimia DC</b> , Ortner R, Poboroniuc MS, Ignat BE and Guger C (2018) High Classification Accuracy of a Motor Imagery Based Brain-Computer Interface for Stroke Rehabilitation, Training. Front. Robot. AI 5:130. doi: 10.3389/frobt.2018.00130, WOS:000451686000001	0
12	4.17	M. -S. Poboroniuc, <b>D. -C. Irimia</b> , A. Baciuc, T. Bondar, I. Alexandra Nițică and A. E. Piseru, "A Fuzzy Controller to Support FES-Based Sitting-Down in Paraplegia," 2018 International Conference and Exposition on Electrical And Power Engineering (EPE), 2018, pp. 0523-0528, doi: 10.1109/ICEPE.2018.8559951, WOS:000458752200100	0
13	3.13	M.S. Poboroniuc, <b>D.C. Irimia</b> , I-C. Poboroniuc, A. Curteza, L. Macovei, V. Cretu, B.E. Ignat, M. Buzdugan, Manufacturing and clinically testing embedded electrodes in knitted textiles for neurorehabilitation, 2017 International Conference on Electromechanical and Power Systems (SIELMEN), 11-13 October 2017, pp.68-73, DOI: 10.1109/SIELMEN.2017.8123294, WOS:000426906000013	0



14	12.5	Poboroniuc M.S., <b>Irimia D.C.</b> , FES&BCI based rehabilitation engineered equipment: Clinical tests and perspectives, E-Health and Bioengineering Conference (EHB), 2017, Sinaia, Romania, DOI: 10.1109/EHB.2017.7995365, WOS:000445457500020	0
15	5	Marian Poboroniuc, <b>Danut Irimia</b> , Antonela Curteza, Viorica Cretu, Laura Macovei, Improved Neuroprostheses by Means of Knitted Textiles Electrodes Used for Functional Electrical Stimulation, 2016 International Conference and Exposition on Electrical and Power Engineering, indexed IEEEExplore and Reuters WOS, pp.320-325, 20-22.10.2016, RO, ISBN: 978-1-5090-6128-0, IEEE Catalog Number: CFP1647S-USB, DOI: 10.1109/ICEPE.2016.7781355, WOS:000390706300065	0
16	4.17	<b>Danut Irimia</b> , Marian Poboroniuc, Sergiu Hartopan, Daniel Sticea, Georgel Paicu, Bogdan E. Ignat, Post-Stroke Hand Rehabilitation Using a Hybrid FESRobotic Glove, 2016 International Conference and Exposition on Electrical and Power Engineering, indexed BDI IEEEExplore and Reuters WOS, pp.356-359, 20-22.10.2016, RO, ISBN: 978-1-5090-6128-0, IEEE Catalog Number: CFP1647S-USB, DOI: 10.1109/ICEPE.2016.7781362, WOS:000390706300072	0
17	5	<b>Danut Irimia</b> , Marian Poboroniuc, Florin Serea, Alina Baci, Radu Olaru, Controlling a FES-EXOSKELETON Rehabilitation System by Means of Brain-Computer Interface, 2016 International Conference and Exposition on Electrical and Power Engineering, indexed IEEEExplore and Reuters WOS, pp.352-355, 20-22.10.2016, RO, ISBN: 978-1-5090-6128-0, IEEE Catalog Number: CFP1647S-USB, DOI: 10.1109/ICEPE.2016.7781361, WOS:000390706300071	0
18	3.57	<b>D. Irimia</b> , N. Sabathiel, R. Ortner, M. Poboroniuc, W. Coon, B. Z. Allison, C. Guger: recoveriX: A new BCI-based technology for persons with stroke. 2016 38th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC); 08/2016, DOI:10.1109/EMBC.2016.7590995, WOS:000399823501218	0
19	6.25	Andrei Stan, <b>Danut Constantin Irimia</b> , Nicolae Alexandru Botezatu, Robert Gabriel Lupu: Controlling a hand orthosis by means of P300-based brain computer interface. 2015 E-Health and Bioengineering Conference (EHB); 11/2015, DOI:10.1109/EHB.2015.7391389, WOS:000380397900042	0
20	6.25	Florin Serea, Poboroniuc M. S., Sergiu Hartopan, <b>Danut Irimia</b> , Towards Clinical Implementation of an FES&Exoskeleton to Rehabilitate the Upper Limb in Disabled Patients, 2015, International Conference on Control Systems and Computer Science (CSCS), May 2015, Bucharest, Romania, pp.827-832, DOI: 10.1109/CSCS.2015.114, WOS:000380375200120	0
21	6.25	<b>Danut C. Irimia</b> , Marian S. Poboroniuc, Iuliana Pasol, Rupert Ortner, Correlations Between Muscular Contraction Type and Muscle Electrical Activity, in Proceedings of 8th International Conference and Exposition on Electrical and Power Engineering, IEEE Catalog Number CFP-1447S-USB, Iasi, Romania, ISSN: 978-1-4799-5848-1, 2014, DOI: 10.1109/ICEPE.2014.6969956 , pp. 488-491, October 16-18, Iasi, Romania, 2014, WOS:000353565300086	0
22	8.33	<b>Irimia D.C.</b> , Poboroniuc M. S., Ortner R., Improved method to Perform FES&BCI Based rehabilitation, in Proceedings of the 4th IEEE International Conference on e-Health and Bioengineering EHB2013, Iasi, Romania, 21-23 November 2013, pp.1-4, ISBN 978-1-4799-2373-4, DOI: 10.1109/EHB.2013.6707384, 2013, WOS:000346672900152	0
23	6.25	Poboroniuc M. S., <b>Irimia D.C.</b> , Popescu N., Popescu Dorin, Engineered devices to support stroke rehabilitation, in Proceedings of the 19th International Conference on Control Systems and Computer Science CSCS19, 29-31 May 2013, Bucharest, Romania, pp. 289-295, DOI 10.1109/CSCS.2013.44, Published by the IEEE Computer Society, ISBN: 978-0-7695-4980-4, 2013, WOS:000328493800044	0
24	6.25	Ortner R., <b>Irimia D.C.</b> , Scharinger J., Guger C., Brain-Computer Interfaces for stroke rehabilitation: evaluation of feedback and classification strategies in healthy users, Proceedings of the Fourth IEEE RAS/EMBS International Conference on Biomedical Robotics and Biomechatronics – BIOROB 2012 June 24-27, 2012, Roma, Italy, pp 219-223, ISBN: 978-1-4577-1198-5/12/\$26.00 ©2012 IEEE, 2012, WOS:000313014600037	0
25	6.25	Poboroniuc M. S., Stefan C.M., Livint Gh., <b>Irimia D.C.</b> , Issues on mechatronic devices aiming to test neuroprosthesis, in Proceedings of the 2009 Advanced Technologies for Enhanced Quality of Life - AT-EQUAL 2009, July 22-26, 2009, Iasi, Romania, IEEE Computer Society Order Number P3753, pp.23-27, ISBN-13: 978-0-7695-3753-5, 2009, WOS:000273611600007	0
<b>Total</b>	<b>181.6 p</b>		

## 2.2. Articole in reviste si volumele unor manifestări științifice indexate în alte baze de date internaționale (BDI)

Nr. crt.	Rezultate (punctaje)	Titlul lucrării, autorii, revista, pag (de la – pana la), vol.....,
1	4	R. Ionașcu, A. -I. Roman, M. -S. Poboroniuc, <b>D. -C. Irimia</b> and A. Mitocaru, "A Smart FES and Mechatronic Glove System MANUTEX Aiming for Recovery of the Upper Limb in Stroke People," 2021 International Conference on Electromechanical and Energy Systems (SIELMEN), 2021, pp. 293-298, doi: 10.1109/SIELMEN53755.2021.9600438, IEEEExplore.
2	5	A. Mitocaru, M. -S. Poboroniuc, <b>D. Irimia</b> and A. Baciuc, "Comparison Between Two Brain Computer Interface Systems Aiming to Control a Mobile Robot," 2021 International Conference on Electromechanical and Energy Systems (SIELMEN), 2021, pp. 1-5, doi: 10.1109/SIELMEN53755.2021.9600389, IEEEExplore
3	3.33	S Cazan, D Chirita, C Stamate, <b>D Irimia</b> , A Burlacu and I Doroftei, Dismantling strategy for capacitors placed on printed circuits boards: challenges and preliminary results, IOP Conference Series: Materials Science and Engineering, Volume 997, The 9th International Conference on Advanced Concepts in Mechanical Engineering - ACME 2020 4-5 June 2020, Iași, Romania, IOP Science.
4	5	A. -I. Roman, M. -S. Poboroniuc, D. Sticea and <b>D. -C. Irimia</b> , "A Novel Hardware and Software Interface for a Grip Force Tracking System," 2020 International Conference and Exposition on Electrical And Power Engineering (EPE), 2020, pp. 646-651, doi: 10.1109/EPE50722.2020.9305590, IEEEExplore.
5	4	Georgel Arhip, Ion Dafinoiu, Gabriela Assante, Dan Filimon, <b>Danut Irimia</b> , Psychophysiological effects of practicing static qigong meditation in breast cancer survivors, Bulletin of integrative Psychiatry, No.3(82), September 2019, indexed Index Copernicus, DOAJ, ErihPlus, CEEOL
6	4	Hartopanu S., Poboroniuc M. S., Serea F., <b>Irimia D.C.</b> , Livint G. New Issues on FES and Robotic Glove Device to Improve the Hand Rehabilitation in Stroke Patients, Proc. of 6th International Conference on Modern Power System 2015, 18-21 May 2015, Cluj Napoca, Romania, in Acta Electrotehnica, vol.56, No.3, pp.123-127, 2015, ISSN 1841-3323, ISSN 2344-5637, indexed Google Scholar
7	5	<b>Danut C. Irimia</b> , Marian S. Poboroniuc, Florin Serea, Sergiu Hartopanu, Preliminary tests of a new hybrid FES-Exoskeleton assisting device for the upper limb in stroke patients, Buletinul Institutului Politehnic din Iasi, Universitatea Tehnica "Gheorghe Asachi" din Iasi, Tomul LXI (LXV), Fasc. 4, 2015, sectia Electrotehnica. Energetica. Electronica., Index Copernicus.
8	6.67	Iuliana Pașol, <b>Dănuț-Constantin Irimia</b> , Dumitru Popescu, Correlations between muscle contraction and bone electrical activity, Romanian Journal of Biophysics, vol 24 (3), pp. 185-197, 2014.
9	6.67	Iuliana Pașol, <b>Dănuț-Constantin Irimia</b> , Dumitru Popescu, Electrical activity in bone: comparative research made to active persons versus sedentary persons, Discobolul – Physical Education, Sport and Kinetotherapy Journal, Vol. X no. 3 (37), pp. 46-51, 2014., ErihPlus
10	4	Lucache D.D., Lucache B., <b>Irimia D.</b> , Poboroniuc M., Preliminary EEG Based Analysis of Few Acupoints Used in the Chronic Low Back Pain Treatment, International Conference on Advancements of Medicine and Health Care through Technology MEDITECH2014, IFMBE Proceedings vol.44, S. Vlad and R.V. Ciupa (eds.), Springer International Publishing Switzerland 2014, DOI: 10.1007/978-3-319-07653-9_50, pp.247-250, 2014.
11	4	Serea F., Poboroniuc M. S., <b>Irimia D.C.</b> , Hartopanu S., Olaru R., Preliminary Results on a Hybrid FES-Exoskeleton System Aiming To Rehabilitate Upper Limb in Disabled People, in Proceedings of the 17th International Conference on Systems Theory, Control and computing ICSTCC2013, Sinaia, Romania, 11-13 October 2013, pp.722-727, ISBN 978-1-4799-2228-4, ISBN 978-1-4799-2227-7, IEEE catalog Number CFP1336P-CDR, DOI: 10.1109/ICSTCC.2013.6689046, 2013
12	4	Hartopanu S., Poboroniuc M. S., Serea F., <b>Irimia D.C.</b> , Livint G., Design of a Hybrid FES-Mechanical Intelligent Haptic Robotic Glove, in Proceedings of the 17th International Conference on Systems Theory, Control and computing ICSTCC2013, Sinaia,

Nr. crt.	Rezultate (punctaje)	Titlul lucrării, autorii, revista, pag (de la – pana la), vol.....,
		Romania, 11-13 October 2013, pp.687-692, ISBN 978-1-4799-2228-4, ISBN 978-1-4799-2227-7, IEEE catalog Number CFP1336P-CDR, DOI: 10.1109/ICSTCC.2013.6689040, 2013
13	5	Espinosa A., Ortner R., <b>Irimia D.</b> , Guger C., Rehabilitation through Brain Computer Interfaces: Classification and feedback study, Proceedings of the 4th International Joint Conference on computational Intelligence 5-7 October 2012, Barcelona, Spain, pp. 692-697, ISBN: 978-989-8565-33-4, DOI: 10.5220/0004183906920697, 2012, indexed SCITEPRESS
14	4	<b>Irimia D.C.</b> , Ortner R., Krausz G., Guger C., Poboroniuc M., 2012, BCI Application in Robotics Control, 14th IFAC Symposium on Information Control Problems in Manufacturing, Bucharest, Romania, 23-25 May, 2012, Proceedings Volumes by Elsevier Ltd on IFAC-PapersOnLine.net, Information Control Problems in Manufacturing, Vol.14, Part.1, pp. 1-6, ISSN: 1474-6670; ISBN: 978-3-902661-98-2, Digital Object Identifier: 10.3182/20120523-3-RO-2023.00432, 2012
15	5	Ortner R., <b>Irimia D.-C.</b> , Scharinger J., Guger C. (2012 b), A Motor Imagery based Brain-Computer Interface for Stroke Rehabilitation, Annual Review of Cyber Therapy and Telemedicine 2012 – Advanced Technologies in the Behavioral, Social and Neurosciences, Editors: Brenda K. Wiederhold and Giuseppe Riva, IOS Press, pp. 319-323, DOI: 10.3233/978-1-61499-121-2-319, 2012.
16	5	<b>Irimia D.C.</b> , Poboroniuc M. S., Stefan C.M., Livint Gh., Voice Controlled Neuroprosthesis System, in Proceedings of the 12th Mediterranean Conference on Medical and Biological Engineering and Computing MEDICON 2010, May 27-30, 2010, Chalkidiki, Greece, IFMBE Proceedings vol.29, p. 426 ff., ISSN: 1680-0737, ISBN: 978-3-642-13038-0, DOI: 10.1007/978-3-642-13039-7_107, 2010
<b>TOTAL</b>	<b>74.67 p</b>	

### 2.3. Proprietate intelectuală, brevete de invenție

Nr crt	Subcategorii	Rezultate (punctaje)	Titlul proiectului
0	1	2	3
1	Național	3	Poboroniuc, C. Bulboaca, <b>D.C. Irimia</b> , A. Bulboaca, R. Olaru, <i>HYBRID MECHATRONIC SYSTEM - NEUROPROSTHESIS EXOSLIM FOR ARM RECOVERY IN PATIENTS WITH NEUROMOTOR IMPAIRMENT</i> , Patent: RO130961-A2, 2014.
<b>TOTAL</b>		<b>3 p</b>	

### 2.4. Granturi / proiecte câștigate prin competiție

Nr crt	Subcategorii	Rezultate (punctaje)	Titlul proiectului	Calitate (director / membru)
0	1	2	3	4
1	Național	2*10=20	Proiect TE 114 din 09/09/2020 (PN-III-P1-1.1-TE-2019-1753), SISTEM HIBRID BCI-	Director

Nr crt	Subcategorii	Rezultate (punctaje)	Titlul proiectului	Calitate (director / membru)
0	1	2	3	4
			EXOSCHELET PENTRU RECUPERAREA MEMBRELOR SUPERIOARE, Danut Constantin Irimia – Director, Membri : Marian S. Poboroniuc, Alina G. Baci, Daniel A. Sticea, Andrei I. Roman, Piseru Andrei. 15 Septembrie 2020 – 14 Septembrie 2022	
2	Național	2*3 = 6p	SISTEME INTELIGENTE PENTRU MONITORIZAREA LA DISTANȚĂ A PROCESELOR DE RECPERARE BAZATE PE FES – ARMS, PNII Parteneriat, 71-095/2007	Membru
3	Național	2*2 = 4p	PRODUSE TEXTILE FUNCȚIONALE PENTRU ÎNCĂLZIRE ȘI ALTE APLICAȚII INTELIGENTE, Colab. PNII Inovare, 317E/2012	Membru
4	Național	2*3 =6p	AN INTELLIGENT HAPTIC ROBOT GLOVE FOR THE PATIENTS SUFFERING A CEREBROVASCULA ACCIDENT, Colab. PN II, Parteneriat 150/2012	Membru
5	Național	2*2 = 4p	MATERIALE TEXTILE INOVATIVE CU ELECTROZI ÎNCORPORAȚI PENTRU RECUPERAREA PRIN STIMULARE ELECTRICĂ FUNCȚIONALĂ A PERSOANELOR CU DIZABILITĂȚI, PN II Parteneriat, 267/2014	Membru
6	Național	2*2 = 4p	TERAPEUT VIRTUAL PRIN FEEDBACK AUGUMENTAT PENTRU RECUPERAREA NEUROMOTORIE, Colab. PN II, Parteneriat 1/2014	Membru
<b>TOTAL</b>		<b>44</b>		

## 2.5. Contracte de cercetare/consultanță (valoare echivalentă de minim 2 000 Euro)

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### 3. RECUNOASTERE SI IMPACTUL ACTIVITATII (A3)

#### 3.1. / 3.2. Citări în reviste și volumele conferințelor WOS și BDI

Nr crt.	Nr. citări	Lucrarea citata	Nr. autori Tip citare	Punctaj
1	15 WOS	<b>Irimia DC, Ortner R, Poboroniuc MS, Ignat BE and Guger C (2018) <i>High Classification Accuracy of a Motor Imagery Based Brain-Computer Interface for Stroke Rehabilitation</i>, Training. Front. Robot. AI 5:130. doi: 10.3389/frobt.2018.00130</b>	<b>5 autori</b>	<b>15 p</b>
	1	- Triana-Guzman, N (Triana-Guzman, Nayid); Orjuela-Canon, AD (Orjuela-Canon, Alvaro D.); Jutinico, AL (Jutinico, Andres L.); Mendoza-Montoya, O (Mendoza-Montoya, Omar); Antelis, JM (Antelis, Javier M.), Decoding EEG rhythms offline and online during motor imagery for standing and sitting based on a brain-computer interface, FRONTIERS IN NEUROINFORMATICS Volume: 16 Article Number: 961089 DOI: 10.3389/fninf.2022.961089 Published: SEP 2 2022, WOS:000872894600001, eISSN: 1662-5196.	WOS	1
	2	- Jovanovic, LI (Jovanovic, Lazar, I); Rademeyer, HJ (Rademeyer, Hope Jervis); Pakosh, M (Pakosh, Maureen); Musselman, KE (Musselman, Kristin E.); Popovic, MR (Popovic, Milos R.); Marquez-Chin, C (Marquez-Chin, Cesar), Scoping Review on Brain-Computer Interface-Controlled Electrical Stimulation Interventions for Upper Limb Rehabilitation in Adults: A Look at Participants, Interventions, and Technology, PHYSIOTHERAPY CANADA DOI: 10.3138/ptc-2021-0074 Early Access Date: APR 2022, WOS:000789593400001, ISSN: 0300-0508, eISSN: 1708-8313	WOS	1
	3	- Blanco-Mora, DA (Blanco-Mora, D. A.); Aldridge, A (Aldridge, A.); Jorge, C (Jorge, C.); Vourvopoulos, A (Vourvopoulos, A.); Figueiredo, P (Figueiredo, P.); Badia, SBI (Badia, S. Bermudez, I), Impact of age, VR, immersion, and spatial resolution on classifier performance for a MI-based BCI, BRAIN-COMPUTER INTERFACES Volume: 9 Issue: 3 Pages: 169-178 DOI: 10.1080/2326263X.2022.2054606 Early Access Date: APR 2022 Published: JUL 3 2022, WOS:000780777400001, ISSN: 2326-263X, eISSN: 2326-2621	WOS	1
	4	- Voinas, AE (Voinas, Alex Efstathios); Das, R (Das, Rig); Khan, MA (Khan, Muhammad Ahmed); Brunner, I (Brunner, Iris); Puthusserypady, S (Puthusserypady, Sadasivan), Motor Imagery EEG Signal Classification for Stroke Survivors Rehabilitation, 10TH INTERNATIONAL WINTER CONFERENCE ON BRAIN-COMPUTER INTERFACE (BCI2022) Book Series: International Winter Conference on Brain-Computer Interface BCI DOI: 10.1109/BCI53720.2022.9734837 Published: 2022, ISSN: 2572-7672, ISBN: 978-1-6654-1337-4	WOS	1
	5	- Hernandez-Rojas, LG (Hernandez-Rojas, Luis G.); Cantillo-Negrete, J (Cantillo-Negrete, Jessica); Mendoza-Montoya, O (Mendoza-Montoya, Omar); Carino-Escobar, RI (Carino-Escobar, Ruben, I); Leyva-Martinez, I (Leyva-Martinez, Ismael); Aguirre-Guemez, AV (Aguirre-Guemez, Ana, V); Barrera-Ortiz, A (Barrera-Ortiz, Aida); Carrillo-Mora, P (Carrillo-Mora, Paul); Antelis, JM (Antelis, Javier M.), Brain-Computer Interface Controlled Functional Electrical Stimulation: Evaluation With Healthy Subjects and Spinal Cord Injury Patients, IEEE ACCESS Volume: 10 Pages: 46834-46852 DOI: 10.1109/ACCESS.2022.3170906 Published: 2022, WOS:000791721900001, ISSN: 2169-3536.	WOS	1
	6	- Garro, F (Garro, Florencia); Chiappalone, M (Chiappalone, Michela); Buccelli, S (Buccelli, Stefano); De Michieli, L (De Michieli, Lorenzo); Semprini, M (Semprini, Marianna), Neuromechanical Biomarkers for Robotic Neurorehabilitation, FRONTIERS IN NEUROBOTICS Volume: 15 Article Number: 742163 DOI: 10.3389/fnbot.2021.742163 Published: OCT 27 2021, WOS:000717630900001, ISSN: 1662-5218	WOS	1

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	7	- Sosnik, R (Sosnik, Ronen); Zheng, L (Zheng, Li), Reconstruction of hand, elbow and shoulder actual and imagined trajectories in 3D space using EEG current source dipoles, JOURNAL OF NEURAL ENGINEERING Volume: 18 Issue: 5 Article Number: 056011 DOI: 10.1088/1741-2552/abf0d7 Published: OCT 2021, WOS:000637349000001, ISSN: 1741-2560, eISSN: 1741-2552.	WOS	1
	8	- Cantillo-Negrete, J (Cantillo-Negrete, Jessica); Carino-Escobar, RI (Carino-Escobar, Ruben, I); Carrillo-Mora, P (Carrillo-Mora, Paul); Rodriguez-Barragan, MA (Rodriguez-Barragan, Marlene A.); Hernandez-Arenas, C (Hernandez-Arenas, Claudia); Quinzanos-Fresnedo, J (Quinzanos-Fresnedo, Jimena); Hernandez-Sanchez, IR (Hernandez-Sanchez, Isauro R.); Galicia-Alvarado, MA (Galicia-Alvarado, Marlene A.); Miguel-Puga, A (Miguel-Puga, Adan); Arias-Carrion, O (Arias-Carrion, Oscar), Brain-Computer Interface Coupled to a Robotic Hand Orthosis for Stroke Patients' Neurorehabilitation: A Crossover Feasibility Study, FRONTIERS IN HUMAN NEUROSCIENCE Volume: 15 Article Number: 656975 DOI: 10.3389/fnhum.2021.656975 Published: JUN 7 2021, WOS:000663635300001, ISSN: 1662-5161	WOS	1
	9	- Adamczyk, M (Adamczyk, Mateusz); Paszkiel, S (Paszkiel, Szczepan), Using EEG Based Brain-Computer Interface to Control Actions in Applications - The Way to Provide New Possibilities for Disabled People, CONTROL, COMPUTER ENGINEERING AND NEUROSCIENCE Book Series: Advances in Intelligent Systems and Computing Volume: 1362 Pages: 129-137 DOI: 10.1007/978-3-030-72254-8_13 Published: 2021, WOS:000693028200013, eISSN: 2194-5365	WOS	1
	10	- Blanco-Mora, D (Blanco-Mora, D.); Aldridge, A (Aldridge, A.); Jorge, C (Jorge, C.); Vourvopoulos, A (Vourvopoulos, A.); Figueiredo, P (Figueiredo, P.); Badia, SBI (Badia, S. Bermudez, I), Finding the Optimal Time Window for Increased Classification Accuracy during Motor Imagery, BIODEVICES: PROCEEDINGS OF THE 14TH INTERNATIONAL JOINT CONFERENCE ON BIOMEDICAL ENGINEERING SYSTEMS AND TECHNOLOGIES - VOL 1: BIODEVICES Pages: 144-151 DOI: 10.5220/0010316101440151 Published: 2021, WOS:000664115200015, ISBN: 978-989-758-490-9	WOS	1
	11	- Lee, M (Lee, Minji); Jeong, JH (Jeong, Ji-Hoon); Kim, YH (Kim, Yun-Hee); Lee, SW (Lee, Seong-Whan), Decoding Finger Tapping With the Affected Hand in Chronic Stroke Patients During Motor Imagery and Execution, IEEE TRANSACTIONS ON NEURAL SYSTEMS AND REHABILITATION ENGINEERING Volume: 29 Pages: 1099-1109 DOI: 10.1109/TNSRE.2021.3087506 Published: 2021, WOS:000663505900006, eISSN: 1558-0210	WOS	1
	12	- Kubler, A (Kuebler, Andrea), The history of BCI: From a vision for the future to real support for personhood in people with locked-in syndrome, NEUROETHICS Volume: 13 Issue: 2 Special Issue: SI Pages: 163-180 DOI: 10.1007/s12152-019-09409-4 Published: JUL 2020, WOS:000543988500004, eISSN: 1874-5504	WOS	1
	13	- Carino-Escobar, RI (Carino-Escobar, Ruben I.); Galicia-Alvarado, M (Galicia-Alvarado, Marlene); Marrufo, OR (Marrufo, Oscar R.); Carrillo-Mora, P (Carrillo-Mora, Paul); Cantillo-Negrete, J (Cantillo-Negrete, Jessica), Brain-computer interface performance analysis of monozygotic twins with discordant hand dominance: A case study, LATERALITY Volume: 25 Issue: 5 Pages: 513-536 DOI: 10.1080/1357650X.2019.1710525 Early Access Date: JAN 2020 Published: SEP 2 2020, WOS:000506561900001, eISSN: 1464-0678	WOS	1
	14	- Martel, F (Martel, Felix); Dupuy, T (Dupuy, Tamara); Moly, A (Moly, Alexandre); Chabardes, S (Chabardes, Stephan); Aksenova, T (Aksenova, Tetiana), Evaluation criteria for closed-loop adaptive dynamic discrete-continuous brain-computer interfaces: clinical study case with tetraplegic patient. 2020 INTERNATIONAL JOINT CONFERENCE ON NEURAL NETWORKS (IJCNN) Book Series: IEEE International Joint Conference on Neural Networks (IJCNN) Published: 2020, WOS:000626021405019, ISSN: 2161-4393	WOS	1

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	15	- Zilio, F (Zilio, Federico), Extended mind and the brain-computer interface. A pluralist approach to human-computer integration, RIVISTA INTERNAZIONALE DI FILOSOFIA E PSICOLOGIA Volume: 11 Issue: 2 Pages: 169-189 DOI: 10.4453/rifp.2020.0011 Published: 2020, WOS:000564464300002, eISSN: 2239-2629	WOS	1
2.	8 WOS	Alin Moldoveanu, Oana-Maria Ferche, Florica Moldoveanu, Robert Gabriel Lupu, Delia Cinteza, <b>Danut Constantin Irimia</b> , and Corneliu Toader, “The TRAVEE System for a Multimodal Neuromotor Rehabilitation”, IEEE Access, Vol. 7, pp. 8151-8171, Electronic ISSN: 2169-3536, DOI: 10.1109/ACCESS.2018.2886271	7 autori	5.68
	1	- Padfield, N (Padfield, Natasha); Camilleri, K (Camilleri, Kenneth); Camilleri, T (Camilleri, Tracey); Fabri, S (Fabri, Simon); Bugeja, M (Bugeja, Marvin), A Comprehensive Review of Endogenous EEG-Based BCIs for Dynamic Device Control, SENSORS Volume: 22 Issue: 15 Article Number: 5802 DOI: 10.3390/s22155802 Published: AUG 2022, WOS:000839813700001, eISSN: 1424-8220	WOS	0.71
	2	- Perez-Velasco, S (Perez-Velasco, Sergio); Santamaria-Vazquez, E (Santamaria-Vazquez, Eduardo); Martinez-Cagigal, V (Martinez-Cagigal, Victor); Marcos-Martinez, D (Marcos-Martinez, Diego); Hornero, R (Hornero, Roberto), EEGSym: Overcoming Inter-Subject Variability in Motor Imagery Based BCIs With Deep Learning, IEEE TRANSACTIONS ON NEURAL SYSTEMS AND REHABILITATION ENGINEERING Volume: 30 Pages: 1766-1775 DOI: 10.1109/TNSRE.2022.3186442 Published: JUN 27 2022, WOS:000821498200002, eISSN: 1558-0210	WOS	0.71
	3	- Herne, R (Herne, Robert); Shiratuddin, MF (Shiratuddin, Mohd Fairuz); Rai, S (Rai, Shri); Blacker, D (Blacker, David); Laga, H (Laga, Hamid), Improving Engagement of Stroke Survivors Using Desktop Virtual Reality-Based Serious Games for Upper Limb Rehabilitation: A Multiple Case Study, IEEE ACCESS Volume: 10 Pages: 46354-46371 DOI: 10.1109/ACCESS.2022.3169286 Published: 2022, WOS:000791706100001, ISSN: 2169-3536	WOS	0.71
	4	- Mao, Y (Mao, Ying); Jin, J (Jin, Jing); Xu, R (Xu, Ren); Li, SR (Li, Shurui); Miao, YY (Miao, Yangyang); Cichocki, A (Cichocki, Andrzej), The Influence of Visual Attention on The Performance of A Novel Tactile P300 Brain-Computer Interface with Cheeks-Stim Paradigm, INTERNATIONAL JOURNAL OF NEURAL SYSTEMS Volume: 31 Issue: 4 Article Number: 2150004 DOI: 10.1142/S0129065721500040 Published: APR 2021, WOS:000632968100004, eISSN: 1793-6462	WOS	0.71
	5	- Achancaray, D (Achancaray, David); Izumi, SI (Izumi, Shin-Ichi); Hayashibe, M (Hayashibe, Mitsuhiro), Visual-Electrotactile Stimulation Feedback to Improve Immersive Brain-Computer Interface Based on Hand Motor Imagery, COMPUTATIONAL INTELLIGENCE AND NEUROSCIENCE Volume: 2021 Article Number: 8832686 DOI: 10.1155/2021/8832686 Published: FEB 25 2021, WOS:000627166900001, eISSN: 1687-5273	WOS	0.71
	6	- Yao, DZ (Yao, Dezhong); Zhang, YS (Zhang, Yangsong); Liu, TJ (Liu, Tiejun); Xu, P (Xu, Peng); Gong, DK (Gong, Diankun); Lu, J (Lu, Jing); Xia, Y (Xia, Yang); Luo, C (Luo, Cheng); Guo, DQ (Guo, Daqing); Dong, L (Dong, Li); Lai, YX (Lai, Yongxiu); Chen, K (Chen, Ke); Li, JF (Li, Jianfu), Bacomics: a comprehensive cross area originating in the studies of various brain-apparatus conversations, COGNITIVE NEURODYNAMICS Volume: 14 Issue: 4 Pages: 425-442 DOI: 10.1007/s11571-020-09577-7 Early Access Date: MAR 2020 Published: AUG 2020, WOS:000520692300002, eISSN: 1871-4099.	WOS	0.71
	7	- Vitalaru, BA (Vitalaru, Bogdan Alexandru); Scarlat, R (Scarlat, Razvan), The importance of the peritoneal dialysis catheter material in order to perform optimum dialysis in veterinary medicine, INDUSTRIA TEXTILA Volume: 71 Issue: 6 Pages: 596-599 DOI: 10.35530/IT.071.06.1843 Published: 2020, WOS:000601007500014, ISSN: 1222-5347.	WOS	0.71

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10	4 WOS	A. V. Grigoras, <b>D. C. Irimia</b> , M. S. Poboroniuc, C. D. Popescu: „Testing of a Hybrid FES-Robot Assisted Hand Motor Training Program in Sub-Acute Stroke Survivors”. Advances in Electrical and Computer Engineering 01/2016; 16(4):89-94., DOI:10.4316/AECE.2016.04014	4 autori	6p
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11	1 BDI	Rupert Ortner, <b>Danut C. Irimia</b> , Christoph Guger, Guenter Edlinger, “Human Computer Confluence in BCI for Stroke Rehabilitation”, book chapter in “Foundations of Augmented Cognition”, Volume 9183 of the series Lecture Notes in Computer Science pp 304-312, Editors: Dylan D. Schmorow, Cali M. Fidopiastis, DOI: 10.1007/978-3-319-20816-9_29, Print ISBN: 978-3-319-20815-2, Online ISBN: 978-3-319-20816-9, Series Title: Lecture Notes in Computer Science, Series Volume: 9183, Series ISSN: 0302-9743, Publisher: Springer International Publishing, Copyright: Springer International Publishing Switzerland, 2015	4 autori	0.75p
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<b>13</b>	<b>15 BDI</b>	<b>R Ortner, D-C Irimia, J Scharinger, C Guger: A motor imagery based brain-computer interface for stroke rehabilitation. Studies in health technology and informatics 09/2012; 181:319-23., DOI:10.3233/978-1-61499-121-2-319</b>	<b>4 autori</b>	<b>11.25p</b>
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<b>TOTAL</b>			<b>66 WOS</b>	<b>64.93</b>
			<b>20 BDI</b>	<b>15</b>

### 3.3. Prezentări invitate în plenul unor manifestări științifice naționale și internaționale și Profesor invitat (exclusiv POS, ERASMUS)

Nr crt	Subcategorii	Rezultate (punctaje)	Activitatea
1	-	-	-
<b>TOTAL</b>		-	-



**3.4. Membru în colective de redacție sau comitete științifice ale revistelor și manifestărilor științifice, organizator de manifestări științifice, recenzor pentru reviste și manifestări științifice naționale și internaționale**

Nr crt	Nr. activ.	Subcategorii	Rezultate (punctaje)	Categorie	Activitatea / Revista / Manifestație
1					<b>IEEE TRANSACTIONS ON NEURAL SYSTEMS AND REHABILITATION ENGINEERING</b>
	1	WOS	10	Recenzor revista	An Omnidirectional Assistive Platform Integrated With Functional Electrical Stimulation for Gait Rehabilitation: A Case Study, ISSN:1534-4320, eISSN: 1558-0210,
	TOTAL		10		

**3.5. Referent în comisii de doctorat**

**3.6. Premii**

**3.7. Membru în academii, organizații, asociații profesionale de prestigiu, naționale și internaționale, apartenență la organizații din domeniul educației și cercetării**

Data:  
03.01.2023

Semnătura