

UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" DIN IAȘI
FACULTATEA DE INGINERIE ELECTRICĂ, ENERGETICĂ SI INFORMATICĂ APLICATĂ
DEPARTAMENTUL DE ENERGETICĂ

Domeniul de studii: INGINERIE ELECTRICĂ

Concurs pentru ocuparea postului de **conferențiar universitar**, poz. **10**

Disciplinele postului:

- 1. Tehnici de comutație**
- 2. Electroecologie**
- 3. Aparate electrice**

FIȘA DE VERIFICARE

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

publicat în Monitorul Oficial al României, partea a III-a nr. 1251 din data de 24.11.2022.

Candidat: **Astanei Dragoș-George**, Data nașterii: **10.11.1986**, Funcția ocupată: **Șef de lucrări**, Data numirii în funcția actuală: **13.02.2017** (Decizia TUIASI nr. 257/10.02.2017).

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	165,15
2	Activitatea de cercetare (A2)	Minimum 180	641,47
3	Recunoașterea impactului activității (A3)	Minimum 60	590,57
TOTAL		Minimum 300	1397,19

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)	1	107,5
				1.1.1.2 naționale	nr. pagini/ (5*nr autori)	1	32,5
			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)	1	11,5
			1.2.2 Îndrumare de laborator/ aplicații: conferențiar minimum 1		nr. pagini/ (20*nr. autori)	1	3,65
		1.3 Coordonare de programe de studii, organizare și coordonare programe de formare continuă și proiecte educaționale	Punctaj unic pentru fiecare activitate		10		10
TOTAL Puncte Activitatea didactică/profesională (A1)					165,15		
2	Activitatea de cercetare (A2)	2.1 Articole în extenso în reviste cotate WOS Thomson-Reuters ⁽¹⁾ , 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 ⁽²⁾) / nr. de autori	54 din care 14 ca prim autor și 14 în reviste	420,85
		2.2 Articole în reviste și volumele unor manifestări științifice indexate în alte baze de date internaționale (BDI ⁽³⁾)	Minim 15 articole din care minimum 2 în reviste		20/nr. de autori	18 din care 7 în reviste	81,62
		2.3 Brevete de invenție indexate în alte baze de date		2.3.1 internaționale	25/nr. de autori	1	25
				2.3.2 naționale	15/nr. de autori		-
		2.4 Granturi/proiecte câștigate prin competiție națională/internațională ⁽⁴⁾	2.4.1 Director/responsabil proiect - Minimum 1 pentru conferențiar	2.4.1.1 internaționale	20*ani de desfășurare	2	90
				2.4.1.2 naționale	10*ani de desfășurare		

			2.3.2 Membru in echipa	2.4.2.1 internaționale	4*ani de desfășurare	2	10
				2.4.2.2 naționale	2*ani de desfășurare	4	14
		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		-
TOTAL PUNCTE Activitatea de cercetare (A2)					641,47		
3	Recunoașterea impactului activității (A3)	3.1 Citări în reviste WOS și volumele conferințelor WOS ⁽⁵⁾	3.1.2 WOS (minim 7 citări)		5/nr. autori ai art. citat	86	77,67
		3.2 Citări în reviste și volumele conferințelor BDI ⁽⁵⁾	3.2.2 BDI (Minimum 10 citări)		3/nr. autori ai art. citat	38	26,9
		3.3 Prezentări invitate în plenul unor manifestări științifice naționale și internaționale și Profesor invitat (exclusiv POS, ERASMUS)	Punctaj unic pentru fiecare activitate	3.3.1 internaționale	20	3	60
				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	19	190
				3.4.2 BDI	6	24	144
				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	5	75
				premii internaționale	10	1	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	1	5
				naționale	2	1	2
			3.7.5 Consilii și organizații în domeniul educației și cercetării	Conducere	15		-
				Membru	10		-
			Total puncte Recunoașterea impactului activității (A3)				590,57
Total puncte				1397,19			

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	Internațional	107,5	Dragoș Astanei, <i>Double spark plug based ignition system</i> , LAP Lambert Academic Publishing, Chișinău, Republica Moldova, 2022, ISBN: 978-613-9-47344-1	215
2	Național	32,5	Radu Burlică, Dragoș Astanei, <i>Plasma non-termică: Fundamente, Aplicații, Analiză</i> , Editura PIM, Iași, 2020, ISBN 978-606-13-5944-8	325
	TOTAL	140		

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	11,5	Dragoș Astanei, Radu Burlică, <i>Tehnici de comutație – note de curs</i> , Editura PIM, Iași, 2022, ISBN: 978-606-13-7147-1	230
2	Îndrumar de laborator	3,65	Dragoș Astanei, Radu Burlică, <i>Tehnici de comutație – aplicații</i> , Editura PIM, Iași, 2022, ISBN: 978-606-13-7148-8	146
	TOTAL	15,15		

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	10	Responsabil facultate pentru schimburi ERASMUS+, domeniul inginerie electrica, energetica intre Facultatea IEEIA si „CoST – Collegium Sciences et Techniques”, Universitatea din Orleans, Franța.
	TOTAL	10	

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	1	2	3
1	8,34	A. Mandici, D.E. Crețu, R. Burlică, D. Astanei, O. Beniugă, C. Roșu, D.C. Topa, T.G. Aostăcioaiei, A.C. Aprotosoiaie, A. Miron, <i>Preliminary Study on the Impact of Non-Thermal Plasma Activated Water on the Quality of Triticum aestivum L. cv. Glosa Sprouts</i> , Horticulturæ, Vol. 8, issue 12, Art. number 1158, 2022, WOS: 000902486600001	2,923
2	20,44	R. Burlica, D.E. Crețu, O. Beniugă, D. Astanei, <i>Nonthermal Plasma Multi-Reactor Scale-Up Using Pulse Capacitive Power Supplies</i> , Applied Sciences – Basel, vol. 12, issue 20, Art. number 10403, 2022, WOS: 000872282100001.	2,838
3	15,48	I. Stoica, R.M. Albu, C. Hulubei, D. Astanei, R. Burlica, G.A.M. Mersal, T.A.S. Elnasr, A.I. Barzic, A.Y. Elnaggar, <i>A New Texturing Approach of a Polyimide Shielding Cover for Enhanced Light Propagation in Photovoltaic Devices</i> , Nanomaterials, vol. 12, issue 18, Art. number 3249, 2022, WOS: 000857761200001	5,719
4	16,66	D. Astanei, R. Burlică, D.E. Crețu, M. Olariu, I. Stoica, O. Beniugă, <i>Treatment of Polymeric Films Used for Printed Electronic Circuits Using Ambient Air DBD Non-Thermal Plasma</i> , Materials, vol. 15, issue 5, art. number 1919, 2022, WOS:000771429600001.	3,748
5	9,17	M. Wartel, F. Faubert, I.D. Dirlau, S. Rudz, N. Pellerin, D. Astanei, R. Burlica, B. Hnatiuc, S. Pellerin, <i>Analysis of plasma activated water by gliding arc at atmospheric pressure: Effect of the chemical composition of water on the activation</i> , Journal of Applied Physics, vol. 129, issue 23, Art. number 233301, 2021, WOS:000661619600014.	2,877
6	5,27	R. Burlică, D. Astanei, D.E. Crețu, D. Dirlau, O. Beniuga, S. Padureanu, V. Stoleru, A. Patras, <i>Non-thermal plasma T-shaped reactor for activated water production</i> , Environmental Engineering and Management Journal, vol. 20, issue 3, pp. 397-404, 2021, WOS:000637746900009	0,858
7	12,49	V. Stoleru, R. Burlică, G. Mihalache, D. Dirlau, S. Padurean, G.C. Teliban, D. Astanei, A. Cojocaru, O. Beniuga, A. Patras, <i>Plant growth promotion effect of plasma activated water on Lactuca sativa L. cultivated in two different volumes of substrate</i> , Scientific Reports (Nature), vol. 10, issue 1, Art. number 20920, 2020, WOS:000608975400032	4,996
8	18,34	D. Astanei, F. Faubert, S. Pellerin, B. Hnatiuc, M. Wartel, <i>Evaluation of the Efficiency of a Double Spark Plug to Improve the Performances of Combustion Engines: Pressure Measurement and Plasma Investigations</i> , Plasma Chemistry and plasma processing, vol. 40 (1), pp. 283-308, 2020, WOS:000493677200002	3,337
9	14,05	R. Burlică, I.D. Dirlau, D. Astanei, <i>Non-thermal plasma mini-reactors for water treatment</i> , Environmental Engineering and Management Journal, vol. 18, nr. 8, pp. 1799-1807 2019, WOS:000482576500020	0,858
10	27,38	V. Popescu, D. Astanei, R. Burlica, A. Popescu, C. Munteanu, F. Ciolacu, M. Ursache, L. Ciobanu, A. Cocean, <i>Sustainable and cleaner microwave-assisted dyeing process for obtaining eco-friendly and fluorescent acrylic knitted fabrics</i> , Journal of Cleaner Production, vol. 232, pp. 451-461, 2019, WOS:000477784000042	11,072
11	18,34	D. Astanei, F. Faubert, S. Pellerin, B. Hnatiuc, M. Wartel, „A New Spark Plug to Improve the Performances of Combustion Engines: Study and Analysis of Unburned Exhaust Gases”, Plasma Chemistry and plasma processing, vol. 38 (5), pp. 1115-1132, 2018, WOS:000440061900013	3,337
12	7,02	M. Ursache, B. Hnatiuc, E. Hnatiuc, D. Astanei, J.-L. Brisset, R. Burlica, <i>Direct and delayed degradation of azorubin (E122) by gliding arc discharges</i> , Environmental Engineering and Management Journal, vol. 14, issue 11, pp. 2737 – 2746, 2015, WOS:000369099900026	0,858
13	11,43	B. Hnatiuc, D. Astanei, S. Pellerin, N. Cerqueira, M. Hnatiuc, <i>Diagnostic of plasma produced by a spark plug at atmospheric pressure: reduced electric field and rotational – vibrational temperatures</i> , Contributions to Plasma Physics Journal, vol. 3, issue 8, pp. 712 – 723, 2014, WOS:000341707500003.	1,608

14	9,7	B. Hnatiuc, S. Pellerin, E. Hnatiuc, R. Burlica, N. Cerqueira, D. Astanei, <i>Spectroscopic diagnostic of transient plasma produced by a spark plug</i> , Romanian Journal of Physics, vol. 56 S, pp. 109 – 113, 2011, WOS:000295495500017.	1,662
15	8.33	B. Hnatiuc, A. Sabau, D. Astanei, <i>Classic spark simulation using COMSOL software</i> , proceedings of 7th ModTech International Conference - Modern Technologies in Industrial Engineering, June 19-22, 2019, Iași, Romania, WOS:000562929900050	0
16	3,57	D. Astanei, D. Crețu, R. Burlică, ID Dirau, O. Beniugă, S. Pellerin, M. Wartel, <i>Voltage Polarity Influence on NTP Energy Efficiency of Point-to-Point Reactor</i> , proceedings of 2019 International Conference on Electromechanical and Energy Systems (SIELMEN 2019), art. number 263, Oct 9 – 11, 2019, Craiova, Romania, WOS:000630287500116	0
17	4,16	D. Astanei, R. Burlică, D. Crețu, ID Dirau, G. Urmă, B. Hnatiuc, <i>Capacitive Power Supply for Double Spark Plug Ignition System</i> , proceedings of 2019 International Conference on Electromechanical and Energy Systems (SIELMEN 2019), art. number 264, Oct 9 – 11, 2019, Craiova, Romania, WOS:000630287500035	0
18	6,25	O. Beniugă, I.D. Dirlău, D. Astanei, R. Burlică, <i>Electromagnetic field radiation generated by pulsed non-thermal plasma discharge</i> , proceedings of 8th International Conference on Modern Power Systems (MPS 2019), pp. 1 – 4, 21-23 mai, 2019, Cluj-Napoca, Romania, WOS:000612401900065	0
19	5	D. Crețu, R. Burlică, D. Astanei, I.D. Dirlău, O. Beniugă, <i>Energy Efficiency Evaluation of HV Power Supplies for Non-Thermal Plasma Generation</i> , proceedings of 8th International Conference on Modern Power Systems (MPS 2019), pp. 1 – 4, 21-23 mai, 2019, Cluj-Napoca, Romania, WOS:000612401900058	0
20	4,16	A. Dragomir, M. Adam, M. Andrusca, D. Astanei, L. Andrușcă, C. Dumitrescu, <i>About Some Connection Modes of the Current Conducting Paths</i> , proceedings of 2018 International Conference and Expozition on Electrical and Power Engineering (EPE 2018), pp. 357 – 360, Oct 18 – 19, 2018, Iași, Romania, WOS:000458752200067	0
21	6,25	O. Beniugă, ID Dirlau, D. Astanei, R. Burlică, <i>Temperature influence in Direct Green 26 dye degradation rate with non-thermal plasma</i> , proceedings of 2018 International Conference and Expozition on Electrical and Power Engineering (EPE 2018), pp. 391 – 394, Oct 18 – 19, 2018, Iași, Romania, WOS:000458752200074	0
22	5	M. Andrușcă, M. Adam, A. Dragomir, D. Astanei, L. Andrusca, <i>About Monitoring of Medium Voltage Circuit Breakers with SF6</i> , proceedings of 2018 International Conference and Expozition on Electrical and Power Engineering (EPE 2018), pp. 559 – 563, Oct 18 – 19, 2018, Iași, Romania, WOS:000458752200108	0
23	6,25	D. Astanei, R. Burlică, ID Dirau, M. Andrușcă, <i>Ayrton Relation Applied for Medium Voltage AC Electrical Discharges</i> , proceedings of 2018 International Conference and Expozition on Electrical and Power Engineering (EPE 2018), pp. 583 – 588, Oct 18 – 19, 2018, Iași, Romania, WOS:000458752200113	0
24	6,25	R. Burlică, D. Astanei, A. Dragomir, M. Adam, <i>Overvoltage Differential Protection of Low Voltage Circuits</i> , proceedings of 2018 International Conference and Expozition on Electrical and Power Engineering (EPE 2018), pp. 599 – 602, Oct 18 – 19, 2018, Iași, Romania, WOS:000458752200116	0
25	5	D. Astanei, ID Dirau, O. Beniugă, R. Burlică, C. Gouillou, , <i>Evaluation of Reactive Species Produced in Water by GlidArc Plasma</i> , proceedings of 2018 International Conference and Expozition on Electrical and Power Engineering (EPE 2018), pp. 603 – 608, Oct 18 – 19, 2018, Iași, Romania, WOS:000458752200117	0
26	6,25	ID Dirau, O. Beniugă, R. Burlică, D. Astanei, <i>Influence of Surface Gliding Discharges on Organic Pollutants from Aqueous Solutions</i> , proceedings of 2018 International Conference and Expozition on Electrical and Power Engineering (EPE 2018), pp. 897 – 900, Oct 18 – 19, 2018, Iași, Romania, WOS:000458752200175	0
27	2,77	V. Stoleru, C. Stratulat, G. Teliban, S. Pădureanu, A. Patraș, R. Burlică, ID. Dirlau, D. Astanei, O. Beniugă, <i>Morphological, Physiological and Productive Indicators of Lettuce under Non-thermal Plasma</i> , proceedings of 2018 International Conference and Expozition on Electrical and Power Engineering (EPE 2018), pp. 937 – 942, Oct 18 – 19, 2018, Iași, Romania, WOS:000458752200183	0
28	3,57	S. Pădureanu, V. Stoleru, A. Patraș, R. Burlică, ID. Dirlau, D. Astanei, O. Beniugă, <i>Effect of Non-Thermal Activated Water on Lactuca Sativa L. Germination Dynamic</i> , proceedings of 2018 International Conference and Expozition on Electrical and Power Engineering (EPE 2018), pp. 889 – 892, Oct 18 – 19, 2018, Iași, Romania, WOS: 000458752200173	0

29	4,16	D. Astanei, F. Munteanu, C. Nemes, A. Ciobanu, M. Ionescu, M. Adochitei, <i>Light flicker detection using high-speed imaging</i> , proceedings of 2017 International Conference on Modern Power Systems (MPS), June 6-9, 2017, Cluj-Napoca, Romania, WOS:000428462600076	0
30	4,16	C. Nemes, F. Munteanu, D. Astanei, A. Ciobanu, M. Adochitei, M. Larion, <i>A correlation between photovoltaic system production and local solar resources</i> , proceedings of 2017 14th International Conference on Engineering of Modern Electric Systems, EMES 2017, pp. 47-50, June 1-2, 2017, Oradea, Romania, WOS:000427085200011	0
31	6,25	A. Ciobanu, F. Munteanu, C. Nemes, D. Astanei, <i>Data - Driven Bayesian networks for reliability of supply from renewable sources</i> , proceedings of 2017 International Conference on Optimization of Electrical and Electronic Equipment, OPTIM 2017 and 2017 Intl Aegean Conference on Electrical Machines and Power Electronics, ACEMP 2017, pp. 84-89, May 25-27, 2017, Brasov, Romania, WOS:000426909600012	0
32	5	C. Nemes, F. Munteanu, D. Astanei, M. Larion, M. Adochitei, <i>Voltage dips analysis for grid connections of dispatchable photovoltaic systems</i> , proceedings of 2017 International Conference on Optimization of Electrical and Electronic Equipment, OPTIM 2017 and 2017 Intl Aegean Conference on Electrical Machines and Power Electronics, ACEMP 2017, pp. 783-788, May 25-27, 2017, Brasov, Romania, WOS:000426909600120	0
33	12,5	C.I. Felea, D. Astanei, <i>Electrical characterization of the double crossing Glidarc reactor with cylindrical symmetry</i> , proceedings of 2017 International Conference on Optimization of Electrical and Electronic Equipment, OPTIM 2017 and 2017 Intl Aegean Conference on Electrical Machines and Power Electronics, ACEMP 2017, pp. 1039-1044, May 25-27, 2017, Brasov, Romania, WOS:000426909600162	0
34	8,33	E. Hnatiuc, C.I. Felea, D. Astanei, <i>Evaluation of electrical discharges useful power as main indicator for quality assessment for non-Thermal plasma reactors</i> , proceedings of 2017 International Conference on Optimization of Electrical and Electronic Equipment, OPTIM 2017 and 2017 Intl Aegean Conference on Electrical Machines and Power Electronics, ACEMP 2017, pp. 1051-1056, May 25-27, 2017, Brasov, Romania, WOS:000426909600164	0
35	4,16	B. Hnatiuc, A. Sabau, C.L. Dumitrache, M. Hnatiuc, M. Cretu, D. Astanei, <i>Changing the surface properties on naval steel as result of non-thermal plasma treatment</i> , IOP Conf. Series: Materials Science and Engineering 145 (8), art. number 082006, 2016, WOS:000396437600136	0
36	4,16	D. Astanei, M. Ursache, E. Hnatiuc, I. Stoica, B. Hnatiuc, C. Felea, <i>Effects of GlidArc plasma treatment on metallic surface</i> , Proc. of SPIE Vol. 10010, Advanced Topics in Optoelectronics, Microelectronics, and Nanotechnologies 2016 (ATOM-N 2016), pp. 100103E-1 – 8, August 25, 2016, Constanța, Romania, WOS:000391359600122	0
37	3,57	B. Hnatiuc, J.L. Brisset, D. Astanei, M. Ursache, M. Mares, E. Hnatiuc, C. Felea, <i>Evolution of the construction and performances in accordance to the applications of non-thermal plasma reactors</i> , Proc. of SPIE Vol. 10010, Advanced Topics in Optoelectronics, Microelectronics, and Nanotechnologies 2016 (ATOM-N 2016), pp. 100103D-1 – 8, August 25, 2016, Constanța, Romania, WOS:000391359600121	0
38	6,25	A. Ciobanu, F. Munteanu, C. Nemes, D. Astanei, <i>Availability model of wind and solution to immunize the generators against short time perturbations</i> , proceedings of 2016 International Symposium on Fundamentals of Electrical Engineering (ISFEE 2016), pp. 1 – 6, June 30 – July 2, 2016, Bucharest, Romania, WOS:000392434400018	0
39	8,33	I.D. Dirlau, R. Burlica, D. Astanei, <i>The effect of gas and solution flow rate on nitrates and H₂O₂ generation in NTP discharges</i> , proceedings of 2016 International Conference and Expozition on Electrical and Power Engineering (EPE 2016), pp. 462 – 465, Oct 20 – 22, 2016, Iași, Romania, WOS:000390706300093	0
40	6,25	R. Burlica, D. Astanei, M. Andrusca, E. Hnatiuc, <i>The dynamic behavior of electromagnetic plunger drivers for electrical apparatuses with contacts</i> , proceedings of 2016 International Conference and Expozition on Electrical and Power Engineering (EPE 2016), pp. 139 – 142, Oct 20 – 22, 2016, Iași, Romania, WOS:000390706300030	0
41	6,25	D. Astanei, C. Nemes, F. Munteanu, A. Ciobanu, <i>Annual energy production estimation based on wind speed distribution</i> , proceedings of 2016 International Conference and Expozition on Electrical and Power Engineering (EPE 2016), pp. 862 – 867, Oct 20 – 22, 2016, Iași, Romania, WOS:000390706300169	0

42	6,25	C. Nemes, F. Munteanu, M. Rotariu, D. Astanei, <i>Availability assessment for grid-connected photovoltaic systems with energy storage</i> , proceedings of 2016 International Conference and Expozition on Electrical and Power Engineering (EPE 2016), pp. 908 – 911, Oct 20 – 22, 2016, Iași, Romania, WOS:000390706300177	0
43	5	D. Astanei, F. Munteanu, C. Nemes, S. Pellerin, B. Hnatiuc, <i>Electrical Diagnostic of High Voltage Discharges Produced by a New Spark-Plug</i> , proceedings of 13th IEEE INTERNATIONAL CONFERENCE ON ENGINEERING OF MODERN ELECTRIC SYSTEMS (EMES 2015), pp. 1 – 4, JUN 11-12, 2015, Oradea, Romania, WOS:000363815100001	0
44	6,25	B. Hnatiuc, M. Hnatiuc, C. Petrescu, D. Astanei, <i>Ignition modeling of a double sparking plug for internal combustion engines</i> , proceedings of 8th IEEE International Conference and Expozition on Electrical and Power Engineering, EPE 2014, pp. 226-230, October 16-18, Iași Romania, WOS:000353565300037	0
45	8,33	R. Burlică, E. Hnatiuc, D. Astanei, <i>Fault current protection control by di/dt</i> , proceedings of 8th IEEE International Conference and Expozition on Electrical and Power Engineering, EPE 2014, pp. 264-267, October 16-18, Iași Romania, WOS:000353565300042	0
46	6,25	M. Adochiței, C. Harabagiu, D. Astanei, R. Burlică, <i>A new solar energy converting system with vertical photovoltaic panels</i> , proceedings of 8th IEEE International Conference and Expozition on Electrical and Power Engineering, EPE 2014, pp. 1129-1131, October 16-18, Iași Romania, WOS:000353565300205	0
47	4,16	B. Hnatiuc, D. Astanei, S. Pellerin, M. Hnatiuc, F. Faubert, M. Ursache, <i>Electrical Modeling of a Double Spark at Atmospheric Pressure</i> , proceedings of 14th IEEE Conference on Optimization of Electrical and Electronic Equipment - OPTIM 2014, pp. 1005-1010, May 22-24, Brașov, Romania, WOS:000343551300147	0
48	5	E. Hnatiuc, J-L. Brisset, M. Ursache, D. Astanei, C. Felea, <i>New adjustment possibilities of the electrical discharge power for the non-thermal plasma reactors</i> , proceedings of 14th IEEE Conference on Optimization of Electrical and Electronic Equipment - OPTIM 2014, pp. 1016-1023, May 22-24, Brașov, Romania, WOS:000343551300149	0
49	4,16	D. Astanei, M. Ursache, I. Stoica, E. Hnatiuc, R. Munteanu, R. Burlica, <i>Zirconium and Titanium Surface Treatment Using Non-Thermal Plasma for Dentistry Applications</i> , proceedings of 14th IEEE Conference on Optimization of Electrical and Electronic Equipment - OPTIM 2014, pp. 1024-1029, May 22-24, Brașov, Romania, WOS:000343551300150	0
50	5	M. Ursache, E. Hnatiuc, R. Burlica, D. Astanei, B. Hnatiuc, <i>The influence of the dispersion flux on the connection transient regime for DC electromagnets</i> , proceedings of 7th IEEE International Conference and Exposition on Electrical and Power Engineering, EPE – 2012, pp. 172-177, October 25-27, Iași, Romania, WOS:000324685300036	0
51	4,16	D. Astanei, B. Hnatiuc, S. Pellerin, N. Cerqueira, E. Hnatiuc, M. Ursache, <i>Influence of the interaction surface between plasma and air/fuel mixture on the combustion process</i> , proceedings of 7th IEEE International Conference and Exposition on Electrical and Power Engineering, EPE – 2012, pp. 491-496, October 25-27, Iași, Romania, WOS:000324685300085	0
52	5	E. Hnatiuc, D. Astanei, M. Ursache, B. Hnatiuc, J-L. Brisset, <i>A review over the cold plasma reactors and their applications</i> , proceedings of 7th IEEE International Conference and Exposition on Electrical and Power Engineering, EPE – 2012, pp. 497-502, October 25-27, Iași, Romania, WOS:000324685300086	0
53	5	D. Astanei, B. Hnatiuc, S. Pellerin, E. Hnatiuc, N. Cerqueira, <i>A correlation between the rotational temperature and the electrical energy of a cold plasma type electrical discharge produced by a double spark-plug</i> , proceedings of 13th IEEE Conference on Optimization of Electrical and Electronic Equipment - OPTIM 2012, May 24-26, pp. 1341 – 1345, Brașov, Romania, WOS:000398866700203	0
54	5	B. Hnatiuc, S. Pellerin, E. Hnatiuc, D. Astanei, M. Hnatiuc, <i>Influence of electrical parameters on the diagnosis of plasma produced by a double spark plug</i> , proceedings of XIXth Symposium on Physics of Switching Arc FSO 2011, pp. 217-220, September 5 - 9, Brno, Czech Republic, WOS:000393239500041	0
Total	420,85 p		

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	C.C. Rusu, D.E. Crețu, R. Burlică, D. Astanei, O. Beniugă, <i>DBD system operating in ambient air for surface treatment of polyethylene terephthalate films</i> , Buletinul Institutului Politehnic din Iași, Secția Electrotehnică, Energetică, Electronică, acceptat spre publicare noiembrie 2022.
2	4	D.-E. Cretu, C.-C. Rusu, D. Astanei, R. Burlica, O. Beniuga, <i>Assessment of HV Power Supply Efficiency in Plasma Activated Water Production</i> , Proc. of the 2022 International Conference and Exposition on Electrical and Power Engineering, 20-22 oct. 2022, Iasi, Romania, DOI: 10.1109/EPE56121.2022.9959831
3	3,33	D.-E. Cretu, S. Pellerin, R. Burlica, M. Wartel, D. Astanei, F. Faubert, <i>Influence of Water Injection Technique in an Argon NTP System Used for PAW Generation</i> , Proc. of the 2022 International Conference and Exposition on Electrical and Power Engineering, 20-22 oct. 2022, Iasi, Romania, DOI: 10.1109/EPE56121.2022.9959849
4	3,33	D.-E. Cretu, C.-C. Rusu, R. Burlica, O. Beniuga, D. Astanei, D. Tesoi, <i>DBD Non-Thermal Plasma Used on Surface Treatment of Polymeric Film for Food Packaging</i> , Proc. of the 2021 International Conference on Electromechanical and Energy Systems (SIELMEN), pp. 454-457, 6-8 oct. 2021, Iasi, Romania, DOI: 10.1109/SIELMEN53755.2021.9600314.
5	6,66	I. C. Felea, E. Hnatiuc, D. Astanei, <i>Characterization of Cold Plasma Glidarc Reactors</i> , Proc. of the 2021 International Aegean Conference on Electrical Machines and Power Electronics (ACEMP) & 2021 International Conference on Optimization of Electrical and Electronic Equipment (OPTIM), pp. 351-357, 2-3 sept. 2021, Brașov, Romania, DOI: 10.1109/OPTIM-ACEMP50812.2021.9590073
6	3,33	D.-E. Cretu, R. Burlica, O. Beniuga, D. Astanei, C. Rusu, D. Tesoi, <i>Surface Treatment of Polyethylene Terephthalate Film Using a DBD Non-Thermal Plasma Reactor</i> , Proc. of the 2021 International Aegean Conference on Electrical Machines and Power Electronics (ACEMP) & 2021 International Conference on Optimization of Electrical and Electronic Equipment (OPTIM), pp. 364-367, 2-3 sept. 2021, Brașov, Romania, DOI: 10.1109/OPTIM-ACEMP50812.2021.9590058
7	3,33	D.-E. Crețu, Ș. Ciaușu, R. Burlică, D. Astanei, O. Beniugă, D. Teșoi, <i>Electromagnetic Field Radiation Generated by Dielectric Barrier Discharge</i> , Proc. of the 2021 9th International Conference on Modern Power Systems (MPS), pp. 1-6, 16-17 iun. 2021, Cluj-Napoca, Romania, DOI: 10.1109/MPS52805.2021.9492635
8	4	D.E. Crețu, D. Astanei, R. Burlică, O. Beniugă, D. Teșoi, <i>The Influence of NTP Reactor Geometry on H2O2 Generation in Water</i> , Proc. of the 2020 International Conference and Exposition on Electrical and Power Engineering, 22-23 oct. 2020, Iasi, Romania, DOI: 10.1109/EPE50722.2020.9305678
9	3,33	D Teșoi, D-E Crețu, O Beniugă, R Burlică, D. Astanei, M Olariu, <i>DBD Plasma in Air Reactor for Polymeric Surfaces Treatment</i> , Proc. of the 2020 International Conference and Exposition on Electrical and Power Engineering, 22-23 oct. 2020, Iasi, Romania, DOI: 10.1109/EPE50722.2020.9305586
10	4	M. Adam, M. Andrusca, A. Dragomir, D. Astanei, R. Burlica, <i>Technical Condition Monitoring of Impedance Bonds using Sensors and Dedicated Device</i> , Proc. of the 2018 International Conference and Exposition on Electrical and Power Engineering, 22-23 oct. 2020, Iasi, Romania, DOI: 10.1109/EPE50722.2020.9305673
11	5	I.D. Dirlau, R. Burlica, D. Astanei, O. Beniuga, <i>Effect of non-thermal plasma on molecular species formed in water based solution</i> , Buletinul Institutului Politehnic din Iași, Secția Electrotehnică, Energetică, Electronică, vol. 63(67), nr. 1, pp. 9 – 20, 2017
12	4	E. Hnatiuc, V. Burlui, M. Ursache, D. Astanei, B. Hnatiuc, <i>About the operation of the cold plasma GlidArc type reactors with rotary discharge and auxiliary electrodes</i> , proceedings of 13th IEEE Conference on Optimization of Electrical and Electronic Equipment - OPTIM 2012, May 24-26, pp. 1353-1358, Brașov, Romania, DOI: 10.1109/OPTIM.2012.6231957
13	6,66	F. Munteanu, C. Nemes, D. Astanei, <i>Power quality indices proposal for networks operating in sinusoidal and unbalanced conditions</i> , proceedings of 2014 International Symposium on Fundamentals of Electrical Engineering (ISFEE 2014), pp. 1 – 6, November 28 – 29,

Nr. crt.	Rezultate (punctaje)	Titlul lucrării, autorii, revista, pag (de la – pana la), vol....,
		2014, Bucharest, Romania, DOI: 10.1109/ISFEE.2014.7050553
14	5	A. Ciobanu, F. Munteanu, C. Nemes, D. Astanei, <i>Availability evaluation of nodal architectures using bayesian networks</i> , Buletinul Institutului Politehnic din Iași, Secția Electrotehnică, Energetică, Electronică, vol. 62(66), nr. 3 pp. 31 – 40, 2016
15	6,66	C. Nemes, F. Munteanu, D. Astanei, <i>Analysis of grid-connected photovoltaic system integration on low-voltage distribution network</i> , Journal of sustainable energy, vol. 7, nr. 1, pp. 9 – 14, 2016, ISSN 2067-5534.
16	6,66	C. Nemes, F. Munteanu, D. Astanei, <i>Annual energy harvest of LACARP photovoltaic system</i> , 6 th International Conference on Modern Power Systems MPS2015, 18-21 May 2015, Cluj-Napoca, Romania, published in Acta Electrotehnica, vol. 56, nr. 3, pp. 213-218, 2015.
17	3,33	D. Astanei, S. Pellerin, B. Hnatiuc, F. Faubert, N. Cerqueira, M. Ursache, <i>Etude d'une bougie à double étincelle pour la combustion propre</i> , Journal National de la Recherche en IUT – JNRIUT, vol. 4, pp. 51-63, 2013, ISSN 2107-5549.
18	5	D.G. Astanei, S. Pellerin, B. Hnatiuc, E. Hnatiuc, <i>The study of the electrical parameters and the exhaust gas analysis for a double spark plug</i> , Annals of the University of Craiova, Electrical Engineering Series, pp. 47 – 52, vol. 35, 2011, ISSN 1842-4805
TOTAL	81,62 p	

2.3. Proprietate intelectuală, brevete de invenție

Nr crt	Subcategorii	Rezultate (punctaje)	Titlul proiectului
0	1	2	3
1	Internațional	25	D. Astanei, <i>Spark plug with double electrical discharge</i> , Brevet nr. EPO39554400, decizie de acordare publicată în Buletinul European de Brevete nr. 2251 din data de 21.12.2022.
2	Național	0	Cerere de brevet – I.D. Dirlău, D. Astanei, O. Beniugă, R. Burlică, <i>Minireactor conic cu plasmă non-termică pentru producerea apei activate, cu aplicații în agricultură</i> , Cerere de brevet nr. A01081 / 11.12.2017, publicată în RO-BOPI RO133404A2 / 28.06.2019.
3	Național	0	Cerere de brevet – R. Burlică, D. Astanei, I.D. Dirlău, O. Beniugă, M. Andrușcă, M. Adam, <i>Minireactor electrochimic cu plasma non-termică cu geometrii în forma de T pentru producerea apei activate</i> , Cerere de brevet nr. A00924 / 21.11.2018, publicată în RO-BOPI RO134206A2 / 30.06.2020.
4	Național	0	Cerere de brevet – R. Burlică, D. Astanei, O. Beniugă, D.E. Crețu, C.C. Rusu, <i>Dispozitiv cu plasma non-termică DBD-Corona pentru tratamentul substraturilor polimerice destinate ambalării produselor alimentare</i> , Cerere de brevet nr. A00493 / 12.08.2022.
5	Național	0	Cerere de brevet – R. Burlică, D. Astanei, O. Beniugă, M.A. Olariu, D.E. Crețu, <i>Dispozitiv cu plasma non-termică DBD pentru tratamentul substraturilor polimerice destinate imprimării circuitelor electronice flexibile</i> , Cerere de brevet nr. nr. A00117 / 11.03.2022.
TOTAL		25	

2.4. Granturi / proiecte câștigate prin competiție

Nr crt	Subcategorii	Rezultate (punctaje)	Titlul proiectului	Calitate (director / membru)
0	1	2	3	4
1	Internațional	2*20 = 40p	-Titlu: Bio-tratament aplicat pe ambele suprafețe ale foliei polimerice utilizată pentru împachetarea produselor alimentare utilizând plasma non-termică DBD-Corona - ERANET-MANUNET-III-PlasmaPack, nr. 214 / 2020, perioada 2020-2022 - Director proiect: Ș.l.dr.ing. Dragoș Astanei	Director
2	Internațional	2,5*20 = 50p	-Titlu: Evaluarea apei activate produse de către diferite reactoare de plasmă non-termică - Proiect de tip PN-III-P3-3.1-PM-RO-FR, nr. 19BM / 2019, perioada 2019-2021 - Director proiect: Ș.l.dr.ing. Dragoș Astanei	Director
3	Național	2*2 = 4p	-Titlu: Dezvoltarea instituțională a TUIASI prin creșterea vizibilității și a performanței cercetării, (TUIASI-COMPETE) -Titlu subproiect COMPETE / Sistem de aprindere cu eficiență ridicată bazat pe bujie dublă pentru reducerea emisiilor poluante din gazele de eșapament evacuate de motoarele cu ardere internă (HEDSIS) - Proiect de tip PN III, PNCDI III – 9PFE/2018, perioada 2018-2020 - Director proiect: Prof. dr. ing. Carmen Loghin	Membru / responsabil temă subproiect
4	Internațional	4*2 = 8p	-Titlu: Reactor cu plasmă non-termică la presiune atmosferică pentru pre-tratamentul substraturilor polimerice utilizate în fabricarea circuitelor imprimate flexibile - Proiect ERANET-MANUNET-III-Treatoflex, nr. 146 / 2020, perioada 2020-2022 - Director proiect: Prof. dr. ing. Radu Burlică	Membru
5	Național	2*2 = 4p	-Titlu: Model experimental pentru demonstrarea fezabilității creșterii potențialului terapeutic al germenilor de grâu prin tratarea acestora cu apa activată cu plasmă non-termică (PAW) - Proiect PN-III-P2-2.1-PED-2019-0556, nr. 361PED / 2020, perioada 2020-2022 - Director proiect: Prof. dr. ing. Radu Burlică	Membru
6	Național	2,5*2 = 5p	-Titlu: Creșterea Producției Agricole în Sere Utilizând Irigarea cu Apă Activată cu Plasmă Rece - Proiect de tip PN III, P IV-PCE, nr. 15 / 12.07.2017, perioada 2017-2019 - Director proiect: Prof. dr. ing. Radu Burlica	Membru
7	Național	0,5*2 = 1p	-Titlu: Sistem inteligent pentru managementul sarcinii consumatorilor rezidențiali alimentați din surse fotovoltaice - Proiect de tip PN III, P II – CI, nr. 145 CI/2017, perioada 2017-2018. - Director proiect: Prof. dr. ing. Ciprian Nemes	Membru
8	Internațional	0,5*4 = 2p	-Titlu: Aplicarea unor descărcări electrice la înaltă presiune pentru obținerea unei combustii	Membru

Nr crt	Subcategorii	Rezultate (punctaje)	Titlul proiectului	Calitate (director / membru)
0	1	2	3	4
			de calitate - Proiect de tip Capacități – Modulul III, Cooperări bilaterale cu Franța nr. 302/ 22.02.2009, 2009 – 2010. - Director proiect: Prof. dr. ing. Bogdan Hnatiuc	
TOTAL		114		

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

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	13 WOS 3 BDI	B. Hnatiuc, D. Astanei, S. Pellerin, N. Cerqueira, M. Hnatiuc, <i>Diagnostic of plasma produced by a spark plug at atmospheric pressure: reduced electric field and rotational – vibrational temperatures</i> , Contributions to Plasma Physics Journal, vol. 3, issue 8, pp. 712 – 723, 2014. CITATA de:	5 autori	14,8 p
	1	- MJ, Pavlovich, T Ono, C. Galleher, B. Curtis, D.S. Clark, Z. Machala, D.B. Graves, <i>Air spark-like plasma source for antimicrobial NOx generation</i> , Journal of Physics D – Applied Physics, vol. 47, issue 50, article number 505202, 2014.	WOS	1
	2	- A. Kastengren et.al., <i>Time-Resolved X-Ray Radiography of Spark Ignition Plasma</i> , SAE international Journal of Engines, vol. 9, issue 2, pp. 693-703, 2016.	WOS	1
	3	- F. Seng et.al., <i>Optical Sensing of Electric Fields in Harsh Environments</i> , JOURNAL OF LIGHTWAVE TECHNOLOGY, vol. 35, issue 4, pp. 669-676, 2017.	WOS	1
	4	- L.W.S. Crispim et. al., <i>Modelling spark-plug discharge in dry air</i> , Combustion and flame, vol. 198, pp. 81-88, 2018.	WOS	1
	5	- B. Ulejczyk et.al., <i>Steam reforming of ethanol in spark discharge generated between electrodes made from a Ni3Al alloy</i> , proceedings of 2017 International Conference on Optimization of Electrical and Electronic Equipment, OPTIM 2017 and 2017 Intl Aegean Conference on Electrical Machines and Power Electronics, ACEMP 2017, May 25-27, 2017, Brasov, Romania.	WOS	1
	6	- I.D. Dirlau, R. Burlica, <i>Effect of non-thermal plasma on aqueous solutions treated in surface gliding discharges reactors</i> , proceedings of 2017 International Conference on Optimization of Electrical and Electronic Equipment, OPTIM 2017 and 2017 Intl Aegean Conference on Electrical Machines and Power Electronics, ACEMP 2017, May 25-27, 2017, Brasov, Romania.	WOS	1
	7	- M. Kinoshita, T. Fuyoto, H. Akatsuka, <i>Measurement of vibrational and rotational temperature in spark discharge plasma by optical emission spectroscopy: (Change in thermal equilibrium characteristics of plasma under air flow)</i> , International Journal of Engine Research, Vol. 20(7), pp. 746-757, 2019	WOS	1
	8	- Shuai Huang, Tie Li, Zhifei Zhang, Pengfei Ma, <i>Rotational and vibrational temperatures in the spark plasma by various discharge energies and strategies</i> , Applied Energy, vol. 251, art. number 113358, 2019	WOS	1
	9	- N. Kawahara, M. Watanabe, E. Tomita, Y. Nagano, T. Kitagawa, <i>Plasma Temperature of Spark Discharge in a Lean-burn Spark-ignition Engine Using a Time Series of Spectra Measurements</i> , SAE Technical Papers, art. 2019-01-2158, 2019	BDI	0,6
	10	- Tobias Michler, Olaf Toedter, Thomas Koch, <i>Spatial and time resolved determination of the vibrational temperature in ignition sparks by variation of the dwell time</i> , SN Applied Sciences, vol. 2, art. Number 1311, 2020	WOS	1
	11	- XH Zhang, ZW Wang, D Zhou, HM Wu, XB Cheng, B Jin, JY Chen, <i>Strengthening effect of microwave on spark ignited spherical expanding flames of methane-air mixture</i> , ENERGY CONVERSION AND MANAGEMENT, vol. 224, art. no. 113368, 2020	WOS	1
	12	- Bernard Fryskowski, <i>Spark plug reliability improvement with regard to ceramic insulator form factor</i> , Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, vol. 235(2-3), pp. 373-386, 2021.	WOS	1

Nr crt.	Nr. citări	Lucrarea citată	Nr. autori Tip citare	Punctaj
	13	- Masao KINOSHITA, Takayuki FUYUTO, Yoshiyuki MANDOKORO, Akimitsu SUGIURA, Hiroshi AKATSUKA, <i>Measurement of temperature of spark-discharge plasma in engine cylinder</i> , Transactions of the JSME (in Japanese), Vol.86, No.883, 2020	BDI	0,6
	14	- XH Zhang, Z Wang, H Wu, C. Liu, XB Cheng, JY Chen, <i>Propulsive effect of microwave-induced plasma jet on spark ignition of CO2-diluted CH4-air mixture</i> , Combustion and Flame, vol. 229, art. no. 111400, 2021	WOS	1
	15	- Bernard Fryskowski, <i>Conventional and hybrid vehicles spark plugs – modeling and computer simulation of glass seal resistor influence on electric field distribution</i> , TTS Technika Transportu Szynowego, vol. 22, issue 10, pp. 48-53, 2015	BDI	0,6
	16	- K. Liu, H. Xia, M. Yang, W. Geng, J. Zuo, K. Ostrikov, <i>Insights into generation of OH radicals in plasma jets with constant power: The effects of driving voltage and frequency</i> , Vacuum, vol. 198, art. number 110901, 2022	WOS	1
2	1 WOS	Marius Ursache, Bogdan Hnatiuc, Eugen Hnatiuc, Dragoș Astanei, Jean-Louis Brisset, Radu Burlica, <i>Direct and delayed degradation of azorubin (E122) by gliding arc discharges</i> , Environmental Engineering and Management Journal, vol. 14, issue 11, pp. 2737 – 2746, 2015. CITATA de:	6 autori	0,83p
	1	- A. Alcantara-Cobos, M.J. Solache-Rios, M.D. Diaz-Nava, <i>Adsorption of tartrazine on an iron modified zeolitic tuff</i> , Environmental Engineering and Management Journal, vol. 14, nr. 11, 2015.	WOS	0,83
3	2 WOS 1 BDI	D. Astanei, B. Hnatiuc, S. Pellerin, E. Hnatiuc, N. Cerqueira, <i>A correlation between the rotational temperature and the electrical energy of a cold plasma type electrical discharge produced by a double spark-plug</i> , proceedings of 13th IEEE Conference on Optimization of Electrical and Electronic Equipment - OPTIM 2012, May 24-26, pp. 1341 – 1345, Braşov, Romania. CITATA de:	5 autori	2,6p
	1	- M. Kinoshita, T. Fuyoto, H. Akatsuka, <i>Measurement of vibrational and rotational temperature in spark discharge plasma by optical emission spectroscopy: (Change in thermal equilibrium characteristics of plasma under air flow)</i> , International Journal of Engine Research, Vol. 20(7), pp. 746-757, 2019.	WOS	1
	2	- I.D. Dirlau, R. Burlica, <i>Effect of non-thermal plasma on aqueous solutions treated in surface gliding discharges reactors</i> , proceedings of 2017 International Conference on Optimization of Electrical and Electronic Equipment, OPTIM 2017 and 2017 Intl Aegean Conference on Electrical Machines and Power Electronics, ACEMP 2017, May 25-27, 2017, Brasov, Romania.	WOS	1
	3	- Masao KINOSHITA, Takayuki FUYUTO, Yoshiyuki MANDOKORO, Akimitsu SUGIURA, Hiroshi AKATSUKA, <i>Measurement of temperature of spark-discharge plasma in engine cylinder</i> , Transactions of the JSME (in Japanese), Vol.86, No.883, 2020	BDI	0,6
4	1 WOS 2 BDI	B. Hnatiuc, D. Astanei, S. Pellerin, M. Hnatiuc, F. Faubert, M. Ursache, <i>Electrical Modeling of a Double Spark at Atmospheric Pressure</i> , proceedings of 14th IEEE Conference on Optimization of Electrical and Electronic Equipment - OPTIM 2014, pp. 1005-1010, May 22-24, Braşov, Romania. CITATA de:	6 autori	1,83p
	1	- B. Fryśkowski, <i>Electric field distribution in spark plugs insulators - Modeling and computer simulation</i> , Diagnostyka, vol. 18, nr. 1, 2017.	BDI	0,5
	2	- S. Huang et.al., <i>Experimental investigation of multichannel plasma igniter in a supersonic model combustor</i> , Experimental thermal and fluid science, vol. 99, pp. 315-323, 2018	WOS	0,83

Nr crt.	Nr. citări	Lucrarea citată	Nr. autori Tip citare	Punctaj
	3	- I.D. Dirlau, O. Beniuga, R. Burlica, Electromagnetic stress induced by surface discharges on water film, Proc. of 22nd IMEKO TC4 International Symposium and 20th International Workshop on ADC Modelling and Testing 2017: Supporting World Development Through Electrical and Electronic Measurements, pp. 205-208, September 2017, Iasi, Romania	BDI	0,5
5	1 WOS 3 BDI	E. Hnatiuc, D. Astanei, M. Ursache, B. Hnatiuc, J-L. Brisset, <i>A review over the cold plasma reactors and their applications</i> , proceedings of 7th IEEE International Conference and Exposition on Electrical and Power Engineering, EPE – 2012, pp. 497-502, October 25-27, Iași, Romania. CITATA de:	5 autori	2,8p
	1	- H Wang, Y biao, Y. Chunlai, L. Wen, <i>Electrical and optical diagnostic of ferroelectric micro-plasma thruster</i> , Proc. of 2017 IEEE 12th International Conference on Nano/Micro Engineered and Molecular Systems, NEMS 2017, April 9-12, 2017, Los Angeles, United States.	WOS	1
	2	- Martínez-Montejano Roberto Carlos, Martínez-Montejano Roberto Carlos et. al., <i>Construction of a power electronic source for cold plasma generation</i> , Ingeniería InvestIgaclóny tecnología Ingeniería InvestIgaclóny tecnología, volumen XX (número 4), octubre-diciembre 2019: 1-12 ISSN 2594-0732 FI-UNAM, http://dx.doi.org/10.22201/fi.25940732e.2019.20n4.047	BDI	0,6
	3	- Bogdan Ulejczyk; Łukasz Nogal; Michał Młotek; Krzysztof Krawczyk, <i>Hydrogen Production from Ethanol in Dielectric Barrier Discharge</i> , Proc. of 2021 IEEE 2021 International Aegean Conference on Electrical Machines and Power Electronics (ACEMP) & 2021 International Conference on Optimization of Electrical and Electronic Equipment (OPTIM), sept 2-3, 2021	BDI	0,6
	4	- N. Yasoob A., Nisreen kh. Abdalameer and Adnan Qahtan Mohammed, „Plasma Production and Applications: A Review”, International Journal of Nanoscience, 2022, https://doi.org/10.1142/S0219581X22300036 .	BDI	0,6
6	1 WOS	E. Hnatiuc, V. Burlui, M. Ursache, D. Astanei, B. Hnatiuc, <i>About the operation of the cold plasma GlidArc type reactors with rotary discharge and auxiliary electrodes</i> , proceedings of 13th IEEE Conference on Optimization of Electrical and Electronic Equipment - OPTIM 2012, May 24-26, pp. 1353-1358, Braşov, Romania. CITATA de:	5 autori	1p
	1	- H. Zhang et.al., <i>Rotating Gliding Arc Assisted Water Splitting in Atmospheric Nitrogen</i> , PLASMA CHEMISTRY AND PLASMA PROCESSING, vol. 36, issue 3, pp. 813-834, 2016.	WOS	1
7	3 WOS 6 BDI	C. Nemes, F. Munteanu, D. Astanei, <i>Analysis of grid-connected photovoltaic system integration on low-voltage distribution network</i> , Journal of sustainable energy, vol. 7, nr. 1, pp. 9 – 14, 2016. CITATA de:	3 autori	10,98p
	1	- Oleksandr Yuliiiovych Haievskiy et.al., <i>Efficiency of the photovoltaic single-phase inverter and harmonic distortion at different load level</i> , POWER ENGINEERING economics, technique, ecology, nr. 2, 2017.	BDI	1
	2	- El-Leathey, Lucia-Andreea; Nedelcu, Adrian; Dorian, Marin, Electrotehnica, Electronica, Automatica: EEA; Bucharest Vol. 65, Iss. 3, (Jul/Sep 2017): 26-33.	BDI	1
	3	- María García-Rodríguez ; Jeisson Moreno-Vargas ; German Osma-Pinto ; Cesar Duarte-Gualdrón, <i>Study of the impact of grid connected PV system on PQ through a comparative analysis by scenarios</i> , proc. of 2019 IEEE Workshop on Power Electronics and Power Quality Applications (PEPQA), 30-31 mai 2019, Manizales, Columbia	WOS	1,66
	4	- Lucia-Andreea El-Leathey, Rareş-Andrei Chihaia, Ion Murgescu, Gabriela Cîrciumaru, Adrian Nedelcu, Analysis of a low-voltage operating microgrid located in a residential area, EENVIRO 2018 – Sustainable Solutions for Energy and	BDI	1

Nr crt.	Nr. citări	Lucrarea citata	Nr. autori Tip citare	Punctaj
		Environment, E3S Web of Conferences, vol. 85, 08001 (2019), https://doi.org/10.1051/e3sconf/20198508001		
	5	- Ngo Xuan Cuong, Do Nhu Y, „Power quality analysis of the grid-connected PV system using microinverter”, Technium: Romanian Journal of Applied Sciences and Technology, Vol. 1 (2019): Proceedings of the Technium Conference 2019 (15.12.2019, Constanta, Romania), ISSN: 2668-778X	BDI	1
	6	- German Osma-Pinto, María García-Rodríguez, Jeisson Moreno-Vargas and Cesar Duarte-Gualdrón, „Impact Evaluation of Grid-Connected PV Systems on PQ Parameters by Comparative Analysis based on Inferential Statistics”, Energies, vol 13(7), 1668, 2020	WOS	1,66
	7	- Rares Catalin Nacu; Daniel Fodorean, „Harmonics Mitigation in DC Based Charging Stations for EVs”, 10th IEEE International Conference on Renewable Energy Research and Applications (ICRERA), 26-29 sept 2021, Istanbul, Turcia, 2021	WOS	1,66
	8	- Hannan Ahmad Khan, Mohd Zuhaib, Mohd Rihan, <i>Analysis of varying PV penetration level on harmonic content of active distribution system with a utility scale grid integrated solar farm</i> , Australian Journal of Electrical and Electronics Engineering, vol. 19, issue 3, pp. 283-293, 2022.	BDI	1
	9	- Marko Ikić, Bojana Čolić, Jovan Mikulović, Srđan Jokić, <i>Impact assessment of irradiance and temperature variation on PV system current harmonics injection</i> , Proc. of 21st International Symposium INFOTEH-JAHORINA (INFOTEH) - IEEE, 16-18 March 2022, East Sarajevo, Bosnia and Herzegovina	BDI	1
8	1 WOS	F. Munteanu, C. Nemes, D. Astaneu, <i>Power quality indices proposal for networks operating in sinusoidal and unbalanced conditions</i> , proceedings of 2014 International Symposium on Fundamentals of Electrical Engineering (ISFEE 2014), pp. 1 – 6, November 28 – 29, 2014, Bucharest, Romania CITATA de:	3 autori	1,66p
	1	- R. Porumb, C. Toader, N. Golovanov, T. Leonida, G. Seritan, <i>Energy efficiency rating of transformers under unbalanced linear regime</i> , proceedings of 2015 Intl Aegean Conference on Electrical Machines & Power Electronics (ACEMP), 2015 Intl Conference on Optimization of Electrical & Electronic Equipment (OPTIM) & 2015 Intl Symposium on Advanced Electromechanical Motion Systems (ELECTROMOTION).	WOS	1,66
9	15 WOS 1 BDI	- V. Stoleru, R. Burlică, G. Mihalache, D. Dirlau, S. Padurean, G.C. Teliban, D. Astaneu, A. Cojocaru, O. Beniuga, A. Patras, „Plant growth promotion effect of plasma activated water on Lactuca sativa L. cultivated in two different volumes of substrate”, Scientific Reports (Nature), vol. 10, issue 1, Art. number 20920, 2020	10 autori	7,8p
	1	- Katarína Kučerová, Mária Henselová, Ľudmila Slovákova, Michaela Bačovčinová, Karol Hensel, „Effect of Plasma Activated Water, Hydrogen Peroxide, and Nitrates on Lettuce Growth and Its Physiological Parameters”, Applied Sciences, Vol. 11, issue 5, art. no. 11051985, 2021	WOS	0,5
	2	- Rajesh Prakash Guragain et.al., „Influence of plasma-activated water (PAW) on the germination of radish, fenugreek, and pea seeds”, AIP Advances, Vol. 11, art. no. 125304, 2021	WOS	0,5
	3	- Zuzana Lukacova, Renata Svubova, Patricia Selvekova, Karol Hensel, „The Effect of Plasma Activated Water on Maize (Zea mays L.) under Arsenic Stress”, Plants, Vol. 10(9), art. no. 1899, 2021	WOS	0,5
	4	- Rajesh Prakash Guragain et.al., „Impact of Plasma-Activated Water (PAW) on Seed Germination of Soybean”, Journal of Chemistry, Vol. 2021, art. ID 7517052, 2021	WOS	0,5
	5	- Khanit Matra et.al., „Enhancement of Lettuce Growth by PAW Spray Gliding Arc Plasma Generator”, IEEE Transactions on Plasma Science, DOI: 10.1109/TPS.2021.3105733, 2021	WOS	0,5

Nr crt.	Nr. citări	Lucrarea citata	Nr. autori Tip citare	Punctaj
	6	- Christina Sze, Benjamin Wang, Jiale Xu, Juan Rivas-Davila, Mark A. Cappell, „Plasma-fixated nitrogen as fertilizer for turf grass”, RSC Advances, vol. 11, art. no. 37886, 2021	WOS	0,5
	7	- H.A.Q. Than, T.H. Pham, D.K.V. Nguyen et al. „Non-thermal Plasma Activated Water for Increasing Germination and Plant Growth of Lactuca sativa L.”, Plasma Chem Plasma Process, vol. 42, pp. 73-89, 2022	WOS	0,5
	8	- V. Rathore, B.S. Tiwari, S.K. Nema, „Treatment of Pea Seeds with Plasma Activated Water to Enhance Germination, Plant Growth, and Plant Composition”, Plasma Chem Plasma Process, vol. 42, pp. 109-129, 2022	WOS	0,5
	9	- Shikhadri Mahanta, Mohammad Ruzlan Habib, Janie McClurkin Moore, „Effect of High-Voltage Atmospheric Cold Plasma Treatment on Germination and Heavy Metal Uptake by Soybeans (Glycine max)”, International Journal of Molecular Sciences, vol. 23, issue 3, art. no. 1611, 2022	WOS	0,5
	10	- K. Kosumsupala et. al., „Air to H ₂ -N ₂ Pulse Plasma Jet for In-Vitro Plant Tissue Culture Process: Source Characteristics”, Plasma Chem Plasma Process, vol. 42, pp. 535-559, 2022	WOS	0,5
	11	- R.P. Guragain, „Effects of Plasma-Activated Water on Soybean and Wheat: Germination and Seedling Development”, Plasma Medicine, vol. 12, issue 1, 2022, pp. 27-43, 2022 DOI: 10.1615/PlasmaMed.2022042374	BDI	0,3
	12	- Yawen Gao, Mingbo Li, Chao Sun, Xuehua Zhang, „Microbubble-enhanced water activation by cold plasma”, Chemical Engineering Journal, vol. 446, part 4, art. number 137318, 2022	WOS	0,5
	13	- H. Wang, Y. Zhang, H. Jiang, J. Cao, W. Jiang, „A comprehensive review of effects of electrolyzed water and plasma-activated water on growth, chemical compositions, microbiological safety and postharvest quality of sprouts”, Trends in Food Science & Technology, vol. 129, pp. 449-462, 2022.	WOS	0,5
	14	- M. Rashid, M.M. Rashid, M.S. Alam, M.R. Talukder, „Enhancement of Growth, Enzymes, Nutrition and Yield of Eggplant: Combined Effects of Plasma Treatments”, Plasma Chemistr and Plasma Processing, 2022.	WOS	0,5
	15	- P. Svarnas et.al., „Water Modification by Cold Plasma Jet with Respect to Physical and Chemical Properties”, Applied Sciences, vol. 12, issue 23, art. no. 11950, 2022	WOS	0,5
	16	- N Romanjek Fajdetic et.al. „Influence of Seed Treated by Plasma Activated Water on the Growth of Lactuca sativa L.”, Sustainability, vol 14, issue 23, art. no. 16237, 2022.	WOS	0,5
10	1 WOS 2 BDI	B. Hnatiuc, M. Hnatiuc, C. Petrescu, D. Astanei, “Ignition modeling of a double sparking plug for internal combustion engines”, proceedings of 8th IEEE International Conference and Expozition on Electrical and Power Engineering, EPE 2014, pp. 226-230, October 16-18, Iași Romania	4 autori	2,75p
	1	- SF, Huang et.al., „Experimental investigation of multichannel plasma igniter in a supersonic model combustor”, Experimental thermal and fluid science, vol. 99, pp. 315-323, 2018	WOS	1,25
	2	- I.D. Dirlau, O. Beniuga, R. Burlica, “Electromagnetic stress induced by surface discharges on water film”, Proc. of 22nd IMEKO TC4 International Symposium and 20th International Workshop on ADC Modelling and Testing 2017: Supporting World Development Through Electrical and Electronic Measurements, pp. 205-208, September 2017, Iasi, Romania	BDI	0,75
	3	- Hoang Thang, Nguyen Thi Hai Van, Tran Quoc An, „Optimization of ignition advance angle and air fuel ratio of combustion engines”, The University of Danang Journal of Science and Technology, ISSN 1851-1531, vol. 11(120), issue 4, pp. 64-67, 2017	BDI	0,75
11	1 BDI	C. Nemes, F. Munteanu, D. Astanei, Annual energy harvest of LACARP photovoltaic system, Acta Electrotehnica, vol. 56, nr. 3, pp. 213-218, 2015	3 autori	1p

Nr crt.	Nr. citări	Lucrarea citată	Nr. autori Tip citare	Punctaj
	1	- Garg Shalini, J. B. Arun, "Evaluating DC Voltage Temperature Coefficient of a Multicrystalline Module in Actual Environmental Conditions of Western Rajasthan, India", Communications on Applied Electronics, vol. 7, nr. 6, 2017	BDI	1
12	1 WOS 1 BDI	C. Nemes, F. Munteanu, D. Astaneu, M. Larion, M. Adochitei, „Voltage dips analysis for grid connections of dispatchable photovoltaic systems”, proceedings of 2017 International Conference on Optimization of Electrical and Electronic Equipment, OPTIM 2017 and 2017 Intl Aegean Conference on Electrical Machines and Power Electronics, ACEMP 2017, pp. 783-788, May 25-27, 2017, Brasov, Romania, DOI: 10.1109/OPTIM.2017.7975064	5 autori	1,6p
	1	- AQ. Al-Shetwi, MZ. Sujod, "Grid-connected photovoltaic power plants: A review of the recent integration requirements in modern grid codes", International Journal of Energy Research, vol. 42, issue 5, pp. 1849-1865, 2018	WOS	1
	2	- Analcisio António Rodino, „Análise da qualidade de energia em postos de carregamento de Bicicletas Elétricas”, REVISTA INTERNACIONAL DE CIÊNCIAS, TECNOLOGIA E SOCIEDADE (International Journal of Science, Technology and Society), vol. 3(1), 2020	BDI	0,6
13	4 WOS 2 BDI	D. Astaneu, F. Faubert, S. Pellerin, B. Hnatiuc, M. Wartel, „A New Spark Plug to Improve the Performances of Combustion Engines: Study and Analysis of Unburned Exhaust Gases”, Plasma Chemistry and plasma processing, vol. 38 (5), pp. 1115-1132, 2018	5 autori	5,2p
	1	- A.E. Dubinov, J.P. Kozhayeva „Transparent Hydrogel Electrodes as a New Class of Electrodes for High-Current Nanosecond Atmospheric-Pressure Discharges”, High Enefrgy Chemistry, vol. 53(6), pp. 425-428, 2019	WOS	1
	2	- A.E. Dubinov, J.P. Kozhayeva „Generating Periodic Pulse Sequences of Nanosecond Spark Discharges in an Air Gap between Transparent Hydrogel Electrodes”, Technical Physics Letters, vol. 45(4), pp. 383-385, 2019	WOS	1
	3	- H Shang, L Zhang, X Chen, P Guo, H Zhang, „Experimental investigation about effect of double-spark plug ignition on cyclic variation and knocking for SI engine”, Sadhana Journal - Springer, vol. 46, art. no. 60, 2021	WOS	1
	4	- H. Shang, L. Zhang, J. Duan, X. Chen, B. Chen, „Experimental Investigation about the Effect of Double-Spark Plug Ignition on Combustion Characteristics for Motorcycle Gasoline Engines with a Mild Lean Mixture”, ACS Omega, vol. 7, issue 5, pp. 4342-4351, 2022	WOS	1
	5	- K.R. Dantes, M. Dharmawan, G. Wiratmaja, „Decrease of Fuel Consumption and Emission of 4 Stroke Otto Engine due to Ground Strap Installation”, International Journal of Mechanical Technologies and Applications, vol. 3, nr. 1, pp. 32-39, 2022	BDI	0,6
	6	- Z. Lillahulhaq, R. Mahmud, S. Safiullah, „The effect of spark plug ground electrode on spark ignition engine performance”, Rekayasa Mesin Journal, vol. 13, no. 2, pp. 523-530, eISSN 2477-6041, 2022.	BDI	0,6
14	1 WOS 1 BDI	B. Hnatiuc, S. Pellerin, E. Hnatiuc, R. Burlica, N. Cerqueira, D. Astaneu „Spectroscopic diagnostic of transient plasma produced by a spark plug”, Romanian Journal of Physics, vol. 56S, pp. 109-113, 2011	6 autori	1,33p
	1	- Animesh Halder, Soumendra Singh, Aniruddha Adhikari, Shayantani Ghosh, Deep Shikha, Debajyoti Saha, Rajib Chakraborty, „Asim Kundu, Santanu Kumar Tripathi, Samir Kumar Pal „NaLiK, an self-developed device for rapid, reliableand simultaneous assessment of sodium, lithiumand potassium for management offluid balanceand bipolar disorder in human subjects”, Journal of Analytical Atomic Spectrometry, vol. 34, pp. 1875-1881, 2019	WOS	0,83
	2	- Neha Bhattacharyya et.al., „An Energy-Resolved Optical Non-invasive Device Detects Essential Electrolyte Balance in Humans at Point-of-Care”, Transactions of the Indian National Academy of Engineering, vol. 6, pp.355-364, 2021	BDI	0,5
15	4 WOS 3 BDI	C. Nemes, F. Munteanu, M. Rotariu, D. Astaneu, „Availability assessment for grid-connected photovoltaic systems with energy storage”, proceedings of IEEE International Conference and Exposition on Electrical and Power Engineering, EPE – 2016, pp. 908-911, October 2016, Iași, Romania	4 autori	7,25p

Nr crt.	Nr. citări	Lucrarea citata	Nr. autori Tip citare	Punctaj
	1	- Ahmed Sayed, Mohamed EL-Shimy, M. El-Metwally, Mostafa Elshahed, „Reliability, Availability and Maintainability Analysis for Grid-Connected Solar Photovoltaic Systems”, <i>Energies</i> , vol. 12, issue 7, art. number 1213, 2019	WOS	1,25
	2	- Ahmed Sayed, Mohamed EL-Shimy, M. El-Metwally, Mostafa Elshahed, „Impact of subsystems on the overall system availability for the large scale grid-connected photovoltaic systems”, <i>RELIABILITY ENGINEERING & SYSTEM SAFETY</i> , vol. 196, art. no. 106742, 2020	WOS	1,25
	3	- Saeed Peyghami; Peter Palensky; Mahmoud Fotuhi-Firuzabad; Frede Blaabjerg, „System-Level Design for Reliability and Maintenance Scheduling in Modern Power Electronic-Based Power Systems”, <i>IEEE Open Access Journal of Power and Energy</i> , Vol. 7, pp. 414-429, 2020	BDI	0,75
	4	- Etika Nur'Aini, Rachmawan Budiarto, Bakti Setiawan, Alfian Ma'arif, „Reliability Analysis and Maintainability for the Design of Grid and Hybrid Solar Power Plant Systems in Wonogiri Regency”, <i>Jurnal Teknik Elektro</i> , Vol. 13 No.1, pp. 77 - 83, 2021	BDI	0,75
	5	- Saeed Peyghami; Frede Blaabjerg; Mahmoud Fotuhi-Firuzabad, „Model-based Reliability-Centered Design of Power Electronics Dominated Microgrids”, 17th International Conference on Probabilistic Methods Applied to Power Systems (PMAPS), 12-15 June 2022, Manchester, United Kingdom	BDI	0,75
	6	- T.C. Kuo et. al., „Reliability evaluation of an aggregate power conversion unit in the off-grid PV-battery-based DC microgrid from local energy communities under dynamic and transient operation”, <i>Energy Reports</i> , vol. 8, pp. 5688-5726, 2022	WOS	1,25
	7	- B.L. Choo, Y.I. Go, „Energy storage for large scale/utility renewable energy system - An enhanced safety model and risk assessment”, <i>Renewable Energy Focus</i> , vol. 42, pp. 79-96, 2022	WOS	1,25
16	1 WOS 1 BDI	D. Astanei, F. Munteanu, C. Nemes, S. Pellerin, B. Hnatiuc, “Electrical Diagnostic of High Voltage Discharges Produced by a New Spark-Plug”, <i>Proc. of 13th IEEE INTERNATIONAL CONFERENCE ON ENGINEERING OF MODERN ELECTRIC SYSTEMS (EMES 2015)</i> , pp. 1 – 4, JUN 11-12, 2015, Oradea, Romania	5 autori	1,6p
	1	- BOGUSŁAW BUTRYŁO, AGNIESZKA CHOROSZUCHO, ADAM STECKIEWICZ, „POLE MAGNETYCZNE W UKŁADZIE DZIELONEGO UZWOJENIA CEWKI IMPULSOWEJ Z OBCIĄŻENIEM NIELINIOWYM (DISTRIBUTION OF MAGNETIC FIELD IN THE SPLIT WINDING IMPULSE COIL WITH NONLINEAR LOAD), <i>Conference on Fundamentals of Electrotechnics and circuit theory, XLI SPETO 2018</i>	BDI	0,6
	2	- Xiaoye Han et.al., Elastic breakdown via multi-core high frequency discharge for lean-burn ignition”, <i>PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART D-JOURNAL OF AUTOMOBILE ENGINEERING</i> , art. no. 09544070211062278, WOS:000729857600001, 2021	WOS	1
17	3 WOS 2 BDI	D Astanei, C Nemes, F Munteanu, A Ciobanu, “Annual energy production estimation based on wind speed distribution”, <i>proceedings of IEEE International Conference and Exposition on Electrical and Power Engineering, EPE – 2016</i> , pp. 862-867, October 2016, Iași, Romania	4 autori	5,25p
	1	- Minu Yacob ; Delna Raphel ; Sasi. K. Kottayil, „Sizing the Wind Turbine for Optimum Generation Cost”, <i>proc. of 2018 15th IEEE India Council International Conference (INDICON)</i> , 16-18 dec 2018, Coimbatore, India	BDI	0,75
	2	- Godwin Jimmy; Alasdair McDonald; James Carroll, „Energy Yield and Operations and Maintenance Costs of Parallel Wind Turbine Powertrains”, <i>IEEE Transactions on Sustainable Energy</i> , vol. 11, issue 2, pp. 674-681, 2020	WOS	1,25
	3	- Kehinde A. Adeyeye, Nelson Ijumba, Jonathan S. Colton, “A Techno-Economic Model for Wind Energy Costs Analysis for Low Wind Speed Areas”, <i>Processes</i> , vol. 9(8), 1463, 2021	WOS	1,25

Nr crt.	Nr. citări	Lucrarea citata	Nr. autori Tip citare	Punctaj
	4	- Minu Yacob; Delna Raphael; Sasi. K. Kottayil, “ Sizing the Wind Turbine for Optimum Generation Cost”, Proc. Of 2018 15th IEEE India Council International Conference (INDICON), 18-18 dec 2018, Coimbatore, India, 2018	BDI	0,75
	5	- Mohamed A Abdelrahman, Radwan H Abdel-Hamid, Maged Ahmed Abo Adma, Mohamed Daowd, „Techno-economic analysis to develop the first wind farm in the Egyptian western desert at Elkharga Oasis”, Clean Energy, vol. 6, issue 1, pp. 211-225, 2022.	WOS	1,25
18	1 WOS 1 BDI	D. Astanei, F. Munteanu, C. Nemes, A. Ciobanu, M. Ionescu, M. Adochitei, Light flicker detection using high-speed imaging, proceedings of 7th International Conference on Modern Power Systems (MPS 2017), mai 2019, Cluj-Napoca, Romania	6 autori	1,33p
	1	- Sitki Akkaya, Özgül Salor Durna, „Enhanced spectral decomposition method for light flicker evaluation of incandescent lamps caused by electric arc furnaces”, Journal of the Faculty of Engineering and Architecture of Gazi University 34:2 (2019) 987-1005, DOI: 10.17341/gazimmfd.460497	BDI	0,5
	2	- Pedro Tavares, Dmitrii Ingi, Luiz Araújo, Paulo Pinho, Pramod Bhusal, „Reviewing the Role of Outdoor Lighting in Achieving Sustainable Development Goals”, Sustainability, vol. 13, art. no. 12657, 2021	WOS	0,83
19	1 WOS 1 BDI	CI Felea, D. Astanei, “Electrical characterization of the double crossing Glidarc reactor with cylindrical symmetry”, proceedings of 2017 International Conference on Optimization of Electrical and Electronic Equipment, OPTIM 2017 and 2017 Intl Aegean Conference on Electrical Machines and Power Electronics, ACEMP 2017, pp. 1039-1044, May 25-27, 2017, Brasov, Romania	2 autori	4p
	1	- Piotr Krupski ; Henryka Danuta Stryczewska, „The Investigation of The Properties of High-voltage Transformer in Nonthermal Plasma Pulse Power Supply”, proc. of 2018 14th Selected Issues of Electrical Engineering and Electronics (WZEE), 19-21 nov. 2018, Szczecin, Poland	BDI	1,5
	2	- Piotr Krupski, Henryka Danuta Stryczewska, „GLIDARC reactor power supply with ignition improvement”, COMPEL - The international journal for computation and mathematics in electrical and electronic engineering, vol. 38, no. 4, pp. 1274-1284, 2019	WOS	2,5
20	2 WOS	M. Adochiței, C. Harabagiu, D. Astanei, R. Burlica, “A new solar energy converting system with vertical photovoltaic panels”, proceedings of 8th IEEE International Conference and Exposition on Electrical and Power Engineering, EPE 2014, pp. 1129-1131, October 16-18, Iași Romania	4 autori	2,5p
	1	- Pankaj Mann, KuldeepModh, SurajGoel, „Increasing the Yield of PV Panels: A Review”, International Journal of Electrical Energy, Vol. 7, No. 1, June 2019	WOS	1,25
	2	- POA Borrebaek, BP Jelle, ZL Zhang, „Avoiding snow and ice accretion on building integrated photovoltaics - challenges, strategies, and opportunities”, SOLAR ENERGY MATERIALS AND SOLAR CELLS, vol. 206, art. no. 110306, 2020	WOS	1,25
21	10 WOS 1 BDI	V. Popescu, D. Astanei, R. Burlica, A. Popescu, C. Munteanu, F. Ciolacu, M. Ursache, L. Ciobanu, A. Cocean „Sustainable and cleaner microwave-assisted dyeing process for obtaining eco-friendly and fluorescent acrylic knitted fabrics”, Journal of Cleaner Production, vol. 232, pp. 451-461, 2019	9 autori	5,83p
	1	- Henrique Di Domenico Ziero et al., “An overview of subcritical and supercritical water treatment of different biomasses for protein and amino acids production and recovery”, Journal of Environmental Chemical Engineering, vol. 8(5), 104406, 2020	WOS	0,55
	2	- Milada Novaković et al., “Development of comfortable and eco-friendly cellulose based textiles with improved sustainability”, Journal of Cleaner Production, vol. 267, 122154, 2020	WOS	0,55

Nr crt.	Nr. citări	Lucrarea citata	Nr. autori Tip citare	Punctaj
	3	- SN Iyer et.al., „Color-changing intensified light-emitting multifunctional textiles via digital printing of biobased flavin”, SC ADVANCES Vol. 10, issue 69, pp. 42512-42528, 2020	WOS	0,55
	4	- Mengke Jia et.al., „Investigation on the construction, photophysical properties and dyeing mechanism of 1,8-naphthalimide-based fluorescent dyes suitable for dyeing wool fibers in supercritical CO ₂ ”, Dyes and Pigments Vol. 190, art. no. 109343, 2021	WOS	0,55
	5	- Yinchun Fang, Xinhua Liu, Hongliang Zheng, Hailong Liu, „Eco-friendly colorization of textile originating from polydopamine nanofilm structural color with high colorfastness”, Journal of Cleaner Production Vol. 295, art. no. 126523, 2021	WOS	0,55
	6	- Xinhua Liu, Peng Yan, and Yinchun Fang , „Structural Coloration of Polyester Fabrics with High Colorfastness by Copolymer Photonic Crystals Containing Reactive Epoxy Groups”, ACS Omega Vol. 6, pp. 28031-28037, 2021	WOS	0,55
	7	- Xiufen Xie, Yan Hong, Xianyi Zeng, Xiaoqun Dai, Melissa Wagner, „A Systematic Literature Review for the Recycling and Reuse of Wasted Clothing”, Sustainability Vol. 13(24), art. no. 13732, 2021	WOS	0,55
	8	- Mahmood ul Hasan Shahid Adeel, Fatima Batool, Tanvir Ahmad, Ren-Cheng Tang, Nimra Amin & Shahid Rehman Khan, „Sustainable application of Cassia obovata-based chrysophanic acid as potential source of yellow natural colorant for textile dyeing”, Environmental Science and Pollution Research, vol. 29, pp. 10740-10753, 2022	WOS	0,55
	9	- H. Liu et al, „Fabrication of durable fluorescent and hydrophobic cotton fabrics by multiple surface modifications”, Industrial Crops and Products, vol. 175, art. number 114238, 2022	WOS	0,55
	10	- H. Le-Tan, H. Jaeger, „Impact of Cell Disintegration Techniques on Curcumin Recovery”, Food Engineering Reviews, vol. 14, pp. 655-672, 2022.	WOS	0,55
	11	- M.T. Islam, T. Islam T., Islam, M.R. Repon, „Synthetic Dyes for Textile Colouration: Process, Factors and Environmental Impact”, Textile & Leather Review vol. 5, pp. 327-373, 2022.	BDI	0,33
22	2 WOS	V. Stoleru, C. Stratulat, G. Teliban, S. Pădureanu, A. Patraș, R. Burlică, ID. Dirlau, D. Astanei, O. Beniugă, Morphological, Physiological and Productive Indicators of Lettuce under Non-thermal Plasma, proceedings of 2018 International Conference and Expozition on Electrical and Power Engineering (EPE 2018), pp. 937 – 942, Oct 18 – 19, 2018, Iași, Romania	9 autori	1,1p
	1	- RS Concepcion et.al., „Lettuce Canopy Area Measurement Using Static Supervised Neural Networks Based on Numerical Image Textural Feature Analysis of Haralick and Gray Level Co-Occurrence Matrixs”, AGRIVITA, Vol. 42, issue 3, pp. 472-486, 2020	WOS	0,55
	2	- Katarína Kučerová, Mária Henselová, Ľudmila Slovákova, Michaela Bačovčinová, Karol Hensel, „Effect of Plasma Activated Water, Hydrogen Peroxide, and Nitrates on Lettuce Growth and Its Physiological Parameters”, Applied Sciences, Vol. 11, issue 5, art. no. 11051985, 2021	WOS	0,55
23	2 WOS	A. Ciobanu, F. Munteanu, C. Nemes, D. Astanei, “Data - Driven Bayesian Networks for Reliability of Supply from Renewable Sources”, proceedings of 2017 International Conference on Optimization of Electrical and Electronic Equipment, OPTIM 2017 and 2017 Intl Aegean Conference on Electrical Machines and Power Electronics, ACEMP 2017, May 25-27, 2017, Brasov, Romania	4 autori	2,5p
	1	- T Adedipe, M Shafiee; E Zio, “ Bayesian Network Modelling for the Wind Energy Industry: An Overview”, RELIABILITY ENGINEERING & SYSTEM SAFETY, vol. 202, 107053, 2020	WOS	1,25
	2	- M. Shafiee, T. Adedipe, „A Bayesian network model for the probabilistic safety assessment of offshore wind decommissioning”, Wind Engineering, 2022. https://doi.org/10.1177/0309524X221122569	WOS	1,25

Nr crt.	Nr. citări	Lucrarea citată	Nr. autori Tip citare	Punctaj
24	1 BDI	S. Pădureanu, V. Stoleru, A. Patraș, R. Burlică, ID. Dirlau, D. Astanei, O. Beniugă, „Effect of Non-Thermal Activated Water on Lactuca Sativa L. Germination Dynamic”, proceedings of 2018 International Conference and Expozition on Electrical and Power Engineering (EPE 2018), pp. 889 – 892, Oct 18 – 19, 2018, Iași, Romania	7 autori	0,42p
	1	- H. Kandemir , F. Aydın , B. Güler and A. Gürel , "Soğuk Plazma Teknolojisi ve Tarımdaki Çeşitli Uygulama Alanları (Cold Plasma Technology and Various Applications Areas In Plants)", Bursa Uludağ Üniversitesi Ziraat Fakültesi Dergisi, vol. 35, no. 1, pp. 217-245, Jun. 2021	BDI	0,42
25	1 WOS	D. Astanei, F. Faubert, S. Pellerin, B. Hnatiuc, E. Hnatiuc, N. Cerqueira, „Plasma volume and energy influences on the combustion efficiency using a new spark-plug”, proc. of 20th International Conference on Gas Discharges and their Applications, 2014, pp. 594-597 Orleans, France	6 autori	0,83p
	1	- BS Leonov, B Hedlund, A Houpt, „Morphology of Quasi-Direct-Current Discharges Collocated with Fuel Jets in a Supersonic Crossflow”, JOURNAL OF PROPULSION AND POWER, vol. 36, issue 4, pp. 508-516, 2020	WOS	0,83
26	2 WOS	R. Burlică, I.D. Dirlau, D. Astanei, „Non-thermal plasma mini-reactors for water treatment”, Environmental Engineering and Management Journal, vol. 18, nr. 8, pp. 1799-1807 2019	3 autori	3,32p
	1	- Lucyna Bilińska, Marta Gmurek, „Novel trends in AOPs for textile wastewater treatment. Enhanced dye by-products removal by catalytic and synergistic actions”, Water Resources and Industry, vol. 26, art. no. 100160, 2021	WOS	1,66
	2	- Yihua Tang, Junjung Chen, Zhiyong Mao, Dajian Wand, „Facile fabrication of oxide layer for si anode with enhanced lithium storage performances via plasma oxidation”, Journal of Materials Science: Materials in Electronics, vol. 32, pp. 2158-2171, 2021	WOS	1,66
27	7 WOS	M. Wartel, F. Faubert, I.D. Dirlau, S. Rudz, N. Pellerin, D. Astanei, R. Burlica, B. Hnatiuc, S. Pellerin, „Analysis of plasma activated water by gliding arc at atmospheric pressure: Effect of the chemical composition of water on the activation”, Journal of Applied Physics, vol. 129, issue 23, Art. number 233301, 2021	9 autori	3,85p
	1	- P. J. Bruggeman I, A. Bogaerts, J. M. Pouvesle, E. Robert, E. J. Szili, „Plasma–liquid interactions”, Journal of Applied Physics, vol. 130, art. no. 200401, 2021	WOS	0,55
	2	- Xiao Hu et.al., „Diagnostic analysis of reactive species in plasma-activated water (PAW): current advances and outlooks”, Journal of Physics D: Applied Physics, vol. 55, art.no. 023002, 2021	WOS	0,55
	3	- K. Hadinoto, „Hybrid plasma discharges for energy-efficient production of plasma-activated water”, Chemical Engineering Journal, vol. 451, part 2, 138643, 2023	WOS	0,55
	4	- Q. Wang, Y. Xin, B. Sun, „Characteristics of liquid-phase continuous arc discharge plasma”, Plasma Processes and Polymers, e2200046, 2022, https://doi.org/10.1002/ppap.202200046	WOS	0,55
	5	- P. Svarnas et.al., „Water Modification by Cold Plasma Jet with Respect to Physical and Chemical Properties”, Applied Sciences, vol 12, issue 23, art. no. 11950, 2022.	WOS	0,55
	6	- M. Zhu et.al., „Gliding arc discharge used for water activation: the production mechanism of aqueous NO and its role in sterilization”, Journal of Physics D: Applied Physics, vol. 56, art. no. 035202, 2022.	WOS	0,55
	7	- D. Li et.al., „Multi-point discharge model: Study on corona discharge of double-ended needle in large space”, in press Plasma Science and Technology, DOI 10.1088/2058-6272/ac92cd, 2022.	WOS	0,55
28	1 WOS	D. Astanei, F. Faubert, S. Pellerin, B. Hnatiuc, M. Wartel, „Evaluation of the Efficiency of a Double Spark Plug to Improve the Performances of Combustion Engines: Pressure Measurement and Plasma Investigations”, Plasma Chemistry and plasma processing, vol. 40 (1), pp. 283-308, 2020	5 autori	1p

Nr crt.	Nr. citări	Lucrarea citată	Nr. autori Tip citare	Punctaj
	1	- H Shang, L Zhang, X Chen, P Guo, H Zhang, „Experimental investigation about effect of double-spark plug ignition on cyclic variation and knocking for SI engine”, Sadhana Journal - Springer, vol. 46, art. no. 60, 2021	WOS	1
29	1 BDI	D Teșoi, D-E Crețu, O Beniugă, R Burlică, D. Astanei, M Olariu, „DBD Plasma in Air Reactor for Polymeric Surfaces Treatment”, Proc. of the 2020 International Conference and Exposition on Electrical and Power Engineering, 22-23 oct. 2020, Iași, Romania	6 autori	0,5p
	1	- S. Faris Khaleel, Qusay A. Abbas, „Influence of Dielectric Media on the Plasma Characteristics in DBD Discharge”, Iraqi Journal of Science, vol. 63, no. 6, 2022.	BDI	0,5
30	1 WOS	D. Astanei, ID Dirau, O. Beniugă, R. Burlică, C. Gouillou, „Evaluation of Reactive Species Produced in Water by GlidArc Plasma”, proceedings of 2018 International Conference and Expozition on Electrical and Power Engineering (EPE 2018), pp. 603 – 608, Oct 18 – 19, 2018, Iași, Romania	5 autori	1p
	1	- J. Tan, M. Karwe, „Inactivation and removal of Enterobacter aerogenes biofilm in a model piping system using plasma-activated water (PAW)”, Innovative Food Science & Emerging Technologies, vol 69, art. no. 102664, 2021	WOS	1
31	1 BDI	D. Astanei, R. Burlică, ID Dirau, M. Andrușcă, „Ayrton Relation Applied for Medium Voltage AC Electrical Discharges”, proceedings of 2018 International Conference and Expozition on Electrical and Power Engineering (EPE 2018), pp. 583 – 588, Oct 18 – 19, 2018, Iași, Romania	4 autori	0,75p
	1	- E.A. Mikhailovich, et. al., „Rectifier for electric arc plasma plant”, Turkish Journal of Computer and Mathematics Education (TURCOMAT), vol. 12, no. 2, 2021.	BDI	0,75
32	1 WOS	I.D. Dirlau, R. Burlica, D. Astanei, „The effect of gas and solution flow rate on nitrates and H ₂ O ₂ generation in NTP discharges”, proceedings of 2016 International Conference and Expozition on Electrical and Power Engineering (EPE 2016), pp. 462 – 465, Oct 20 – 22, 2016, Iași, Romania	3 autori	1,66p
	1	- F. Cameli, P. Dimitrakellis, T.Y. Chen, D.G. Vlachos, „Modular Plasma Microreactor for Intensified Hydrogen Peroxide Production”, ACS Sustainable Chem. Eng., vol. 10, issue 5, pp. 1829-1838, 2022	WOS	1,66
33	1 WOS	R. Burlică, D. Astanei, D.E. Cretu, D. Dirlau, O. Beniuga, S. Padureanu, V. Stoleru, A. Patras, „Non-thermal plasma T-shaped reactor for activated water production, Environmental Engineering and Management Journal, vol. 20, issue 3, pp. 397-404, 2021	8 autori	0,62p
	1	- T. Huang, D. Song, C. Yahng, S.W. Zhang, „Nonthermal plasma-irradiated polyvalent ferromanganese binary hydro(oxide) for the removal of uranyl ions from wastewater”, Environmental Research, vol. 217, issue 15, art. no. 114911, 2023	WOS	0,62
34	3 BDI	R. Burlică, D. Astanei, A. Dragomir, M. Adam, „Overvoltage Differential Protection of Low Voltage Circuits”, proceedings of 2018 International Conference and Expozition on Electrical and Power Engineering (EPE 2018), pp. 599 – 602, Oct 18 – 19, 2018, Iași, Romania	4 autori	2,25p
	1	- T. Kisielewicz, G. Battista Lo Piparo, C. Mazzetti, „Simplified Approach for Protection of Apparatus Powered by an HV/LV Transformer Against Lightning Strokes to the Structure”, proc. of 2022 IEEE International Conference on Environment and Electrical Engineering and 2022 IEEE Industrial and Commercial Power Systems Europe (EEEIC / I&CPS Europe), 28 June – 01 July 2022, Prague, Czech Republic. DOI: 10.1109/EEEIC/ICPSEurope54979.2022.9854582	BDI	0,75
	2	- T. Kisielewicz, G. Battista Lo Piparo, C. Mazzetti, „Simplified Evaluation of Damage Probability of Apparatus Powered by an HV/LV Transformer Due to Lightning Strokes to the Overhead Line”, proc. of 2022 IEEE International Conference on Environment and Electrical Engineering and 2022 IEEE Industrial and Commercial Power Systems	BDI	0,75

Nr crt.	Nr. citări	Lucrarea citata	Nr. autori Tip citare	Punctaj
		Europe (EEEIC / I&CPS Europe), 28 June – 01 July 2022, Prague, Czech Republic. DOI: 10.1109/EEEIC/ICPSEurope54979.2022.9854576		
	3	- Yaroslava K. Starostina, „Energy Effective Protection Circuits Of The Start-Up Device Against Switching Overvoltage”, proc. of. 2022 International Russian Automation Conference (RusAutoCon), 04-10 sept. 2022, Sochi, Russian Federation. DOI: 10.1109/RusAutoCon54946.2022.9896336	BDI	0,75
35	1 WOS	D. Astanei, M. Ursache, I. Stoica, E. Hnatiuc, R. Munteanu, R. Burlica, „Zirconium and Titanium Surface Treatment Using Non-Thermal Plasma for Dentistry Applications”, proceedings of 14th IEEE Conference on Optimization of Electrical and Electronic Equipment - OPTIM 2014, pp. 1024-1029, May 22-24, Braşov, Romania	6 autori	0,83p
	1	- S. Ghita, B. Hnatiuc, M. Hnatiuc, A. Sabau, „Properties of naval steel surface after non-thermal plasma treatment”, Proceedings Volume 11718, Advanced Topics in Optoelectronics, Microelectronics and Nanotechnologies X; 117182V (2020) https://doi.org/10.1117/12.2572129 .	WOS	0,83
TOTAL			86 WOS	77,67
			38 BDI	26,9

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	internațional	20	Profesor invitat pentru prelegeri la Universitatea din Orleans, Orleans, Franța, perioada 25 ianuarie – 9 februarie 2019
2	internațional	20	Profesor invitat pentru prelegeri la Universitatea din Orleans, Orleans, Franța, perioada 1 – 31 iulie 2021
3	internațional	20	Profesor invitat pentru prelegeri la Universitatea din Orleans, Orleans, Franța, perioada 27 ianuarie – 10 februarie 2022
TOTAL		60	

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)	Categorii	Activitatea / Revista / Manifestație
1					Journal of Applied Physics https://aip.scitation.org/journal/jap
	1	WOS	10	Recenzor revista	Voltage-current characteristics of low-pressure discharges in vapours of several alcohols, Manuscript ID JAP21-AR-PLASMALI2021-00310R
2					Innovative Food Science and Emerging Technologies https://www.sciencedirect.com/journal/innovative-food-science-and-emerging-technologies
	2	WOS	10	Recenzor revista	Plasma activated water prepared by different plasma sources: characterization and decontamination effect, Manuscript ID IFSET-D-21-00344R1
3					Buletinul Institutului Politehnic din Iași http://www.bulipi-eee.tuiasi.ro/
	3	BDI	6	Recenzor revista	Carbon offset calculator
4					Propulsion and Power Research https://www.sciencedirect.com/journal/propulsion-and-power-research
	4	WOS	10	Recenzor revista	Multipoint laser ignition system and its applications Manuscript ID PPR-2019-0119
5					Plasma Chemistry and Plasma Processing https://www.springer.com/journal/11090
	5	WOS	10	Recenzor revista	Determination of the vibrational temperature of the N2 state (C3Iuv in Ar/N2 glow discharge Manuscript ID PCPP-20-BL-0105
6					2020 IEEE International Conference on Environment and Electrical Engineering, Madrid https://events.vtools.ieee.org/m/226775
	6	WOS	10	Recenzor conferință	PAPER ID 73 Study of a Thyatron-type Gas Discharge Interrupter with Improved Discharge Parameters in a High-Voltage Pulse Generator with Inductive Energy Storage
7					2020 International Conference and Exposition on Electrical and Power Engineering (EPE2020), Iași, Romania, http://www.epe.tuiasi.ro/2020/
	7	BDI	6	Recenzor conferință	PAPER ID 3897 Healthy Tankless Heating System
	8	BDI	6	Recenzor conferință	PAPER ID 3889 Combined Air-Heating Tankless System
	9	BDI	6	Recenzor conferință	PAPER ID 3905 Operating the highvoltage separator in romanian railway system using SCADA system
	10	BDI	6	Recenzor conferință	PAPER ID 4046 Comparative Study of an External Rotor Permanent Magnet Synchronous Generator with Fractional Slot Concentrated Winding and Different Number of Pole Pairs for Wind Energy Applications
	11	BDI	6	Recenzor conferință	PAPER ID 4068 New solution for cereals, vegetables and fruits storage
	12	BDI	6	Recenzor conferință	PAPER ID 3853 Aspects Regarding the Loads Patterns Determination from the Internal Services of the Power Substations
	13	BDI	6	Recenzor conferință	PAPER ID 3964 Effects of Solid State Current Limiter on the Power Grid

Nr crt	Nr. activ.	Subcategorii	Rezultate (punctaje)	Categorii	Activitatea / Revista / Manifestație
	14	BDI	6	Recenzor conferință	PAPER ID 3893 Aspects Regarding the Infrared Monitoring of Electrical Equipment Temperature
	15	BDI	6	Recenzor conferință	PAPER ID 3879 Temperature monitoring of a railway separator using SCADA system
	16	BDI	6	Recenzor conferință	PAPER ID 3907 Temperature monitoring of the heating resistors of the railway switches from Romanian railway system
	17	BDI	6	Recenzor conferință	PAPER ID 3899 Mechanical Fault Detection by Vibration Monitoring of Electrical Equipment
	18	BDI	6	Recenzor conferință	PAPER ID 3988 Comparative analysis of parametric transformer and classical transformer operation
8					2022 12 th International Conference and Exposition on Electrical and Power Engineering (EPE2020), Iași, Romania, http://www.epe.tuiasi.ro/2022/
	19	BDI	6	Organizare conferință	Membru comitet organizare
	20	BDI	6	Recenzor conferință	PAPER ID 55 Study of Conduction Emissions of Household Appliances
	21	BDI	6	Recenzor conferință	PAPER ID 30 The Influence of TCSC Devices on Distance Protection Tripping Characteristic
	22	BDI	6	Recenzor conferință	PAPER ID 46 The Effects of TCSC Devices on the Power Grid
	23	BDI	6	Recenzor conferință	PAPER ID 57 Detection of electric arc faults by Arc Fault Detection Devices
	24	BDI	6	Recenzor conferință	PAPER ID 64 A non-enzymatic chronoamperometric glucose sensor based on Screen-Printed Carbon Electrode (SPCE) modified with Fe ₂ O ₃ magnetic nanoparticles via physical vapour deposition (PVD)
	25	BDI	6	Recenzor conferință	PAPER ID 67 Evaluation and comparison of the performance of air conditioning systems from fully electric cars and cars with a thermal engine
	26	BDI	6	Recenzor conferință	PAPER ID 124 Monitoring and Diagnosis of Electrical Equipment by Infrared Thermography
9					The Second International Conference on Mechanical, Electric and Industrial Engineering (MEIE2019), May 25-27, 2019, Hangzhou, China https://www.resurchify.com/conference_details.php?id=2356
	27	BDI	6	Recenzor conferință	PAPER ID MEIE26220 Study on initial combustion characteristics of kerosene based on inductive charging ignition system
10					Measurment (Elsevier) https://www.journals.elsevier.com/measurement
	28	WOS	10	Recenzor revista	PAPER ID MEAS-D-16-01574R1 Design And Development Of A Simple Timer Based RPM Measurement System
	29	WOS	10	Recenzor revista	PAPER ID MEAS-D-22-04946 Deconvolution based Correction of Pre-strike Arc Voltage Measurement in Medium Voltage Switches
11					Energy & Sustainability 2018 Symposium & Industry Summit, June 21-22, 2018, University of Windsor, Canada https://wise.uwaterloo.ca/calendar/energy_sustainability_2018_symposium_industry_summit

Nr crt	Nr. activ.	Subcategorii	Rezultate (punctaje)	Categorii	Activitatea / Revista / Manifestație
	30	BDI	6	Recenzor conferință	PAPER ID CF-4 Preliminary Simulation Study of Flow Field around a Spark Plug under Ambient and Engine Conditions
12					10th International conference and exposition on electrical and power engineering –EPE 2018, Oct. 2018 Iasi, Romania http://www.epe.tuiasi.ro/2018/
	31	WOS	10	Organizare conferință	Membru comitet organizare
	32	WOS	10	Recenzor conferință	PAPER ID 2584 Comparison between different power supplies used for cold plasma discharges: simulation and study of parameters of plasma activated water
	33	WOS	10	Recenzor conferință	PAPER ID 3418 Thermal Modeling and Simulations for Fast Electric Fuses”, 10th International conference and exposition on electrical and power engineering
	34	WOS	10	Recenzor conferință	PAPER ID 2520 Aspects Regarding Electrical Loads Pattern Recognition Using Artificial Neural Network
	35	WOS	10	Recenzor conferință	PAPER ID 2604 Aspects of High Current Intensity Testing of Current Paths
	36	WOS	10	Recenzor conferință	PAPER ID 3530 Short-circuit Thermal State of a Withdrawable Contact
	37	WOS	10	Recenzor conferință	PAPER ID 2535 Simulating Electrical Connections in Terms of Thermal Stresses”, 10th International conference and exposition on electrical and power engineering
	38	WOS	10	Recenzor conferință	PAPER ID 2579 Thermal analysis of tankless heating system using PLC
	39	WOS	10	Recenzor conferință	PAPER ID 2598 Assessment of Data Centre Energy Efficiency. Methods and Metrics
	40	WOS	10	Recenzor conferință	PAPER ID 2637 Application of Industrial Profibus-DP protocol
13					International conference on energy engineering and environmental protection, November 19-21, 2018, Sanya, China http://www.iceeep.org/2019/
	41	WOS	10	Recenzor conferință	PAPER ID EEEP29990 Comparative Analysis of a Four Stroke Spark Ignition Engine Performance Using Local Ethanol and Gasoline Blends
14					International conference on energy engineering and environmental protection, November 19-20, 2022, Zhuhai, China http://www.iceeep.org/
	42	BDI	6	Recenzor conferință	PAPER ID EEEP71429-60 Research progress on key factors of dielectric-barrier discharge plasma for wastewater treatment
14					9th International conference and exposition on electrical and power engineering –EPE 2016, Oct. 2016 Iasi, Romania http://www.epe.tuiasi.ro/2016/
	43	WOS	10	Organizare conferință	Membru comitet organizare
	TOTAL		334		

3.5. Referent în comisii de doctorat

3.6. Premii

Nr crt	Subcategorii	Rezultate (punctaje)	Premiul
1	Internațional	10	Excellent paper award – oral session, International Conference Advanced Topics in Optoelectronics, Microelectronics, and Nanotechnologies, ATOM-N 2016, SPIE – International society for optics and photonics, Constanta, Romania.
2	CNCS / UEFISCDI	15	Premierea rezultatelor cercetării 2021, articol zona galbenă, cod de depunere: PN-III-P1-1.1-PRECISI-2021-55507, Lista 1(parțial 1) 10.11.2021
3	CNCS / UEFISCDI	15	Premierea rezultatelor cercetării 2021, articol zona roșie, cod de depunere: PN-III-P1-1.1-PRECISI-2021-58293, Lista 1(parțial 2) 26.11.2021
4	CNCS / UEFISCDI	15	Premierea rezultatelor cercetării 2020, articol zona galbenă, cod de depunere: PN-III-P1-1.1-PRECISI-2020-41393, Lista 1(parțial 1) 30.10.2020
5	CNCS / UEFISCDI	15	Premierea rezultatelor cercetării 2019, articol zona roșie, cod de depunere: PN-III-P1-1.1-PRECISI-2019-37117, Lista 13/2019
6	CNCS / UEFISCDI	15	Premierea rezultatelor cercetării 2018, articol zona galbenă, cod de depunere: PN-III-P1-1.1-PRECISI-2018-26418, Lista 8/2018
TOTAL		85	

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

Nr crt	Subcategorii	Nationale/ internationale	Punctaj	Asociatia
1	3.7.4. Asociatii profesionale	Nationala	2	Membru SETIS – Societatea Absolvenților Facultății de Electrotehnică din Iași
2		Internationala	5	Membru IAENG – International Association of Engineers
TOTAL			7	

Data:
11.01.2023

Semnătura