

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

Concurs pentru ocuparea postului de **conferențiar**, poz. 9

Disciplinele postului: Metode numerice
Instrumente ale politicii energetice

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

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Cadru didactic: Florina Scarlatache / **Data nașterii:** 02.10.1985 / **Funcția actuală:** Șef de lucrări

Data numirii în funcția actuală: 01.10.2013 (Decizia TUIASI nr. 755/02.04.2013) **Instituția:** Universitatea Tehnică "Gheorghe Asachi" din Iași

Tabel 1: Conditii minime / punctaje obtinute (in conformitate cu Domeniul CNATDCU Inginerie Energetică)

Condiții minime			
Nr crt.	Domeniul de activitate	Condiții Conferențiar	Punctaj obtinut
1	Activitate didactica/profesionala (A1)	60	115.77
2	Activitate de cercetare (A2)	180	683.91
3	Recunoasterea si impactul activitatii activitatii (A3)	60	1453.24
TOTAL (puncte)		300	2252.92

Data: 09.01.2023

Candidat,
Șef lucr.dr.ing. Florina Scarlatache

Tabelul 2. Structura activitatii și punctajele realizate

Nr. crt.	Domeniul activităților	Tipul activităților	Categorii și restricții	Subcategorii	Indicatori (k _{pi})	Realizări	Punctaj
0	1	2	3	4	5		
1	Activitatea didactică și profesională (A1)	1.1 Cărți și capitole în cărți de specialitate	1.1.1 Cărți cu ISBN/ capitole ca autor; minim 2	1.1.1.1 internaționale	nr. pagini/(2*nr. autori)	1 carte 3 capitole (3 p.a.)	45.5
				1.1.1.2 naționale	nr. pagini/(5*nr. autori)		-
			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 Manuale, suport de curs inclusiv electronic: minim 1;		nr. pagini/(10*nr. autori)	1 manual(1 p.a.) 3 suporturi de curs	51.2
			1.2.2 Îndrumare de laborator/aplicații; minim 1		nr. pagini/(20*nr. autori)		9.07
		1.3 Coordonare de programe de studii, organizare și coordonare programe de formare continuă și proiecte educaționale(POS,ERASMUS)	Punctaj unic pentru fiecare activitate		10	1	10
		TOTAL					115.77
2	Activitatea de cercetare (A2)	2.1 Articole în extenso în reviste cotate WOS Thomson-Reuters, în volume proceeding indexate WOS Thomson-Reuters *) și brevete indexate WOS Derwent	Minim 7 articole, din care minim 2 în reviste		(25+20*factor impact)/nr. de autori	42 (din care 8 în reviste)	487.61
		2.2 Articole în reviste și volumele unor manifestări științifice indexate în alte baze de date internaționale	Minim 15 articole		20/nr. de autori	24	146.3
		2.3 Brevete de invenție indexate în ale baze de date		2.3.1 internaționale	25/nr. de autori		-
				2.3.2 naționale	15/nr. de autori		-
		2.4 Granturi/proiecte câștigate prin competiție	2.4.1 Director/ responsabil - Minim 1	2.4.1.1 internaționale	20*ani de desfășurare	1 (director/ responsabil)	40
				2.4.1.2 naționale	10*ani de desfășurare		
			2.4.2 membru în echipa	2.4.2.1 internaționale	4*ani de desfășurare	1	
				2.4.2.2 naționale	2*ani de desfășurare	7	
		2.5 Contracte de cercetare/consultanță (valoare	2.5.1 Responsabil		5*ani de desfășurare		-
			2.5.2 Membru echipa		2*ani de desfășurare	5	10

		echivalentă de minim 2 000 Euro)					
		TOTAL					683.91
3	Recunoașterea și impactul activității (A3)	3.1 Citări în reviste WOS și volumele conferințelor WOS		3.1.2 WOS (minim 4 citari)	5/nr. autori ai art. citat	149	254.04
		3.1 Citări în reviste și volumele conferințelor BDI		3.2.2. BDI (minim 8 citari)	3/nr. autori ai art. citat	86	90.2
		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		-
				3.3.2 naționale	5		-
		3.4 Membru în colectivele de redacție sau comitete științifice al revistelor și manifestărilor științifice, Organizator de manifestări științifice, Recenzor pentru reviste și manifestări științifice naționale și internaționale	Punctaj unic pentru fiecare activitate	3.3.1 ISI	10		1054
				3.3.2 BDI	6		
				3.3.3 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	3	45
				premii internaționale	10		-
				premii naționale în domeniu	5		-
		3.7 Membru în academii, organizații, asociații profesionale de prestigiu, naționale și internaționale, apartenență la organizații din domeniul educației și cercetării	3.7.1 Academia Romana		100		-
			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	2	10
				naționale	2		-
			3.7.5 Consilii și organizații în domeniul educației și cercetării	Conducere	15		-
				Membru	10		-
		TOTAL					1453.24

ACTIVITATE DIDACTICĂ/PROFESIONALĂ (A1)

1.1.1. Carti si capitole in carti de specialitate (cu ISBN)

Nr crt	Subcategorii (Național/ Internațional)	Rezultate (punctaje)	Cărți de specialitate/capitole în cărți (titlul, autorii, Editura, ISBN)	Nr. pagini
0	1	2	3	4
1	Internațional	19	Gh.Grigoraș, Florina Scarlatache , Bogdan-Constantin Neagu, <i>Clustering in Power Systems. Applications</i> , Lambert Academic Publishing, Germania, ISBN: 978-3-330-01545-6, 2016.	264
2	Internațional	8.5	Florina Scarlatache , Gh. Grigoraș, Chapter 3: <i>Impact of the Distributed Generation on Optimal Operation and Planning of the Electrical Networks</i> in the Nova book: Distributed Generation: Systems, Performance and Emerging Technologies, Nova Science Publishers, New York, USA, ISBN: 978-1-53611-074-6, 2017, pp. 127-160.	34
3	Internațional	8	Gh. Grigoraș, B. Neagu, O. Ivanov, M. Gavrilaș, Florina Scarlatache , Smart Meter Data-based Strategies in the Optimal Operation of Electric Distribution Systems, Lambert Academic Publishing, Riga, Lituania, 2019, Chapter 7 – 32 pag (doi autori), ISBN:978-620-0-50306-0.	264 /32 pg. Scarlatache
4	Internațional	10	Florina Scarlatache , Gh. Grigoras, Chapter 3: Using Unsupervised Learning Techniques in Optimal Power System Operation in the book: Advances in Engineering Research. Volume 38, Nova Science Publishers, New York, USA, ISBN: 978-1-53618-508-9, 2020, pp. 117 – 156.	40
	TOTAL	45.5		

1.2.1. Manuale/ Suport de curs

Nr crt	Rezultate (punctaje)	Titlul Manualului (autorii, titlul, nr. pagini, website)	Nr pagini
0	1	2	3
1	14	Florina Scarlatache , Gh. Grigoraș, Metode numerice în inginerie, Volumul 1, Editura PIM, Iași, Romania, 280 pg, ISBN: 978-606-13-7121-1, 2022.	280
2	10	Florina Scarlatache , Instrumente ale politicii energetice, Suport de curs (prezentari PowerPoint), 100 slide-uri (http://florina-scarlatache.ieceia.tuiasi.ro/documentation/INSTRUMENTE%20ALE%20POLITICII%20ENERGETICE_curs%20PPT.pdf) – 2020	100
3	7	Florina Scarlatache , Instrumente ale politicii energetice, Suport de curs, 70 pag (http://www.florina-scarlatache.ieceia.tuiasi.ro/documentation/IPE_materiale.pdf) – 2020	70
4	20.2	Florina Scarlatache , Metode numerice in inginerie, Suport de curs (prezentari PowerPoint), 202 slide-uri(http://florina-scarlatache.ieceia.tuiasi.ro/documentation/Metode_numerice_cursuri.pdf) – 2020	202
	51.2		

1.2.2. Îndrumare de laborator/ Aplicații

Nr crt	Rezultate (punctaje)	Titlul Manualului (autorii, titlul, nr. pagini, website)	Nr pagini
0	1	2	3
1	4.4	Gh. Grigoraș, Florina Scarlatache , <i>Metode numerice. Aplicații practice</i> , Editura PIM, Iași, România, 176 pg, ISBN: 978-606-13-2143-8, 2014.	176
2	3.75	Florina Scarlatache , Gh. Grigoraș, Conducerea și supravegherea Sistemelor Electroenergetice. Simulatoare software și fizice, Editura PIM, Iasi, Romania, 150 pg, ISBN: 978-606-13-6613-2, 2021.	150
3	0.925	Gheorghe Grigoras, Florina Scarlatache , <i>Biblioteca de funcții Matlab pentru implementarea metodelor de calcul numeric</i> pentru disciplina de Metode numerice în inginerie http://florinascarlatache.ieeea.tuiasi.ro/documentation/Metode%20numerice_aplicatii%20practice.pdf	37
	9.07		

1.3. Coordonare programe de studii

Nr crt	Rezultate (punctaje)	Programe
0		2
1	10	Coordonator Erasmus+/SEE la nivelul Facultății de Inginerie Electrică, Energetică Și Informatică Aplicată (Decizia Nr. 3577/16.12.2021)

ACTIVITATE DE CERCETARE (A2)

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

Nr crt	Rezultate (punctaje)	Autorii, titlul lucrării, revista/proceedings, pag (de la – pana la), vol....,	FI
0	1	2	3
1	16.352	Gh. Grigoraș, B.-Ctin Neagu, O. Ivanov, B. Livadariu, Florina Scarlatache , <i>A New SQP Methodology for Coordinated Transformer Tap Control Optimization in Electric Networks Integrating Wind Farms</i> , Applied Sciences Vol. 12, no. 3: 1129, 2022. Accession Number WOS:000754870900001 (Q2)	2.838
2	10.02	Gh. Grigoraș, L. Noroc, E. Chelaru, Florina Scarlatache , B.-Ctin Neagu, O. Ivanov, M.Gavrilas, <i>Coordinated Control of Single-Phase End-Users for Phase Load Balancing in Active Electric Distribution Networks</i> , Mathematics, vol. 9, nr. 21, 2662, 2021, Accession Number: WOS:000719474900001 (Q1)	2.258
3	14.032	Gh. Grigoraș, B.Neagu, Florina Scarlatache , Livia Noroc, Ecaterina Chelaru, <i>Bi-Level Phase Load Balancing Methodology with Clustering-Based Consumers' Selection Criterion for Switching Device Placement in Low Voltage Distribution Networks</i> , Mathematics, vol. 9, nr. 5, 542, 2021, Accession Number: WOS:000628360100001 (Q1)	2.258
4	15.39	Al. Kriukov, M. Gavrilas, O. Ivanov, Gh. Grigoraș, B. Neagu, Florina Scarlatache , <i>Novel Decentralized Voltage-Centered EV Charging Control Algorithm Using DSRC System in Low Voltage Distribution Networks</i> , IEEE Access, vol. 9, pp. 164779 - 164800, doi: 10.1109/ACCESS.2021.3132419 (Q2)	3.367
5	14.032	O.Ivanov, B.-Ctin Neagu, Gh. Grigoraș, Florina Scarlatache , M. Gavrilas, <i>A Metaheuristic Algorithm for Flexible Energy Storage Management in Residential Electricity Distribution Grids</i> , Mathematics, vol. 9, nr. 19, 2375, 2021, doi: 10.3390/math9192375 (Q1)	2.258
6	14.588	Florina Scarlatache , Gh. Grigoraș, V.-A. Scarlatache, B.-C.tin Neagu, O. Ivanov, <i>A Hybrid Methodology Based on Smart Management Energy Consumption in Irrigation Systems</i> , Electronics, vol. 10, nr. 22, 2864, 2021, https://doi.org/10.3390/electronics10222864 (Q3)	2.397
7	83.97	Gh. Grigoraș, Florina Scarlatache , <i>An assessment of the renewable energy potential using a clustering based data mining method. Case study in Romania</i> , Energy, Volume 81, pp. 416–429, 2015, ISSN: 0360-5442, WOS:000351248200041 (Q1)	7.147
8	29.4	Florina Rotaru (Scarlatache) , G. Chicco, Gh. Grigoraș, Gh. Cârțină, <i>Two-stage distributed generation optimal sizing with clustering-based node selection</i> , International Journal of Electrical Power & Energy Systems, Vol. 40, Nr. 1, pp. 120–129, 2012, ISSN: 0142-0615, WOS:000304637300013 (Q1)	4.63
9	6.25	V. Dandea, Gh. Grigoraș, B.-C.tin Neagu, Florina Scarlatache , <i>K-means Clustering-based Data Mining Methodology to Discover the Prosumers' Energy Features</i> , 12th International Symposium on Advanced Topics in Electrical Engineering (ATEE2021), 25-27 Martie, 2021, Bucuresti, Romania, WoS: 000676164800102	0
10	6.25	Florina Scarlatache , Gh. Grigoraș, B.-C.tin Neagu, R. Ciobanu, <i>Aided decision making for hybrid energy systems planning in micro-grids</i> , 2018 Smart City Symposium Prague (SCSP), Praga, Republica Cehă, 24 – 25 Mai, 2018. Accession Number: WOS:000443451800033	0
11	8.33	B. C-tin Neagu, Gh. Grigoras, Florina Scarlatache , <i>Influence of Outliers on Transformer Power Losses Estimation Using a Statistical Based Data Mining Approach</i> , 10th Edition Electronics, Computers and Artificial Intelligence (ECAI 2018), 28 June - 30 June, 2018, Iasi, Romania, Accession Number: WOS:000467734100072	0
12	8.33	Gh. Grigoraș, B.-C.tin Neagu, Florina Scarlatache , <i>Influence of Sampling Size in Profiling Process of Electricity Consumption at Small and Medium Enterprises</i> , 10th International Conference and Exposition on Electrical and Power Engineering (EPE2018), Iasi, Romania, pp. 743 – 748, 2018, Accession Number: WOS:000458752200145	0
		Gh. Grigoraș, Florina Scarlatache , B.-C.tin Neagu, <i>Analysis of energy saving solutions based on replacement of distribution</i>	

13	8.33	<i>transformers</i> , 2017 International Conference on Optimization of Electrical and Electronic Equipment (OPTIM) & 2017 Intl Aegean Conference on Electrical Machines and Power Electronics (ACEMP), Brasov, Romania, pp. 66 – 71, 2017 Accession Number: WOS:000426909600009	0
14	6.25	Gh. Grigoraş, Florina Scarlatache , D. Comanescu, B.-C.tin Neagu, <i>Expert system for optimal power allocation in hydropower dispatchable units</i> , 2017 International Conference on Optimization of Electrical and Electronic Equipment (OPTIM) & 2017 Intl Aegean Conference on Electrical Machines and Power Electronics (ACEMP), Brasov, Romania, pp. 605 – 610, 2017 Accession Number: WOS:000426909600091	0
15	8.33	B.-C.tin Neagu, Gh. Grigoraş, Florina Scarlatache , <i>Effects of outliers on calculation of load profile factors</i> , 2017 International Conference on Modern Power Systems (MPS), Cluj-Napoca, Romania, 6 – 9 Iunie, 2017, Accession Number: WOS:000428462600009	0
16	5	Gh. Grigoraş, B.-C.tin Neagu, Florina Scarlatache , C. Schreiner, R. Ciobanu, <i>Identification of pilot nodes for secondary voltage control using K-means clustering algorithm</i> , 2017 IEEE 26th International Symposium on Industrial Electronics (ISIE), Edinburgh, UK, pp. 106 – 110, 2017 Accession Number: WOS:000426794000015	0
17	5	B.-C.tin Neagu, Gh. Grigoraş, Florina Scarlatache , C. Schreiner, R. Ciobanu, <i>Patterns discovery of load curves characteristics using clustering based data mining</i> , 2017 11th IEEE International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG), Cadiz, Spain, pp. 83 – 87, 2017, WOS:000406491800013	0
18	5	Florina Scarlatache , Gh. Grigoraş, B.-C.tin Neagu, C. Schreiner, R. Ciobanu, <i>Influence of hybrid energy systems on micro-grids control</i> , 2017 11th IEEE International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG), Cadiz, Spain, pp. 313 – 317, 2017 WOS:000406491800050	0
19	8.33	B.-C.tin Neagu, Gh. Grigoraş, Florina Scarlatache , <i>Outliers discovery from Smart Meters data using a statistical based data mining approach</i> , 2017 10th International Symposium on Advanced Topics in Electrical Engineering (ATEE), Bucureşti, Romania, pp. 555 -558, 2017, WOS:000403399400108	0
20	8.33	Gh. Grigoraş, B.-C.tin Neagu, Florina Scarlatache , <i>Smart metering based approach for phase balancing in low voltage distribution systems</i> , 2017 10th International Symposium on Advanced Topics in Electrical Engineering (ATEE), Bucureşti, Romania, pp. 551 -554, 2017, WOS:000403399400107	0
21	8.33	Florina Scarlatache , Gh. Grigoraş, B.-C.tin Neagu, <i>Clustering Based Data Mining in Wind Power Production</i> , ECAI 2017 - International Conference – 9th Edition Electronics, Computers and Artificial Intelligence, 29 June - 01 July, 2017, Targoviste, Romania, Accession Number: WOS:000425865900119.	0
22	8.33	B.-C.tin Neagu, Gh. Grigoraş, Florina Scarlatache , <i>Power losses estimation in harmonic polluted LV distribution networks with a fuzzy approach</i> , 2016 8th International Conference on Electronics, Computers and Artificial Intelligence (ECAI), Ploiesti, Romania, 2016, WOS:000402541200042	0
23	8.33	Florina Scarlatache , Gh. Grigoraş, B.-C.tin Neagu, <i>Decision making methodology based on fuzzy logic in optimal DG location</i> , 2016 8th International Conference on Electronics, Computers and Artificial Intelligence (ECAI), Ploiesti, Romania, 2016, WOS:000402541200117	0
24	8.33	Gh. Grigoraş, B.-C.tin Neagu, Florina Scarlatache , <i>Estimation of energy losses in distribution transformers using a fuzzy approach</i> , 2016 International Symposium on Fundamentals of Electrical Engineering (ISFEE), Bucureşti, Romania, 2016, WOS:000392434400035	0
25	8.33	B.-C.tin Neagu, Gh. Grigoraş, Florina Scarlatache , <i>The influence of harmonics on power losses in urban distribution networks</i> , 016 International Symposium on Fundamentals of Electrical Engineering (ISFEE), Bucureşti, Romania, 2016, WOS:000392434400036	0
26	12.5	Florina Scarlatache , Gh. Grigoraş, <i>A fuzzy approach in optimal DG planning</i> , 2016 International Conference and	0

		Exposition on Electrical and Power Engineering (EPE), Iasi, Romania, pp. 738 – 742, 2016, WOS:000390706300147	
27	12.5	Florina Scarlatache , Gh. Grigoraş, <i>Placement of DG sources using a clustering based partitioning method in distribution systems</i> , 2015 9th International Symposium on Advanced Topics in Electrical Engineering (ATEE), Bucureşti, Romania, pp. 868 – 872, 2015, WOS:000368159800160	0
28	12.5	Gh. Grigoraş, Florina Scarlatache , <i>Processing of smart meters data for peak load estimation of consumers</i> , 2015 9th International Symposium on Advanced Topics in Electrical Engineering (ATEE), Bucureşti, Romania, pp. 864 – 867, 2015, WOS:000368159800159	0
29	12.5	Florina Scarlatache , Gh. Grigoraş, <i>Influence of wind power plants on power systems operation</i> , 2014 International Conference and Exposition on Electrical and Power Engineering (EPE), Iasi, Romania, pp. 1010-1014, 2014, WOS:000353565300184	0
30	12.5	Gh. Grigoraş, Florina Scarlatache , <i>Knowledge extraction from Smart Meters for consumer classification</i> , 2014 International Conference and Exposition on Electrical and Power Engineering (EPE), Iasi, Romania, pp. 978-982, 2014, WOS:000353565300179	0
31	12.5	Gh. Grigoraş, Florina Scarlatache , <i>Use of data from smart meters in optimal operation of distribution systems</i> , 2014 International Conference on Optimization of Electrical and Electronic Equipment (OPTIM), Brasov, Romania, pp. 179 – 184, 2014, WOS:000343551300026	0
32	12.5	Florina Scarlatache , Gh. Grigoraş, <i>Optimal coordination of wind and hydro power plants in power systems</i> , 2014 International Conference on Optimization of Electrical and Electronic Equipment (OPTIM), Brasov, Romania, pp. 689 – 694, 2014, WOS:000343551300102	0
33	5	Al. Kriukov, Gh. Grigoraş, M. Gavrilăş, Florina Scarlatache , B.-C. tin Neagu, <i>An analyze of slow voltage variations from the electric distribution systems with a clustering based approach</i> , 2014 16th International Conference on Harmonics and Quality of Power (ICHQP), Bucureşti, Romania, pp. 689 – 693, 2014, WOS:000343776100142	0
34	5	Al. Kriukov, Gh. Grigoraş, Florina Scarlatache , O. Ivanov, B. Vicol, <i>Use of fuzzy techniques in reliability assessment of electric distribution systems</i> , 2014 16th International Conference on Harmonics and Quality of Power (ICHQP), Bucureşti, Romania, pp. 29 – 33, 2014, WOS:000343776100007	0
35	8.33	Gh. Grigoraş, M. Istrate, Florina Scarlatache , <i>Electrical energy consumption estimation in water distribution systems using a clustering based method</i> , International Conference on Electronics, Computers and Artificial Intelligence (ECAI), Piteşti, Romania, pp. 1 -6, 2013, WOS:000343672500023	0
36	12.5	Florina Scarlatache , Gh. Grigoraş, <i>The influence of the DG sources in the optimal operation of the electrical distribution systems</i> , 2013 8th International Symposium on Advanced Topics in Electrical Engineering (ATEE), Bucureşti, Romania, pp. 1 -4, 2013, WOS:000332928500175	0
37	12.5	Gh. Grigoraş, Florina Scarlatache , <i>Energy losses estimation in electrical distribution networks with a decision trees- based algorithm</i> , 2013 8th International Symposium on Advanced Topics in Electrical Engineering (ATEE), Bucureşti, Romania, pp. 1 -4, 2013, WOS:000332928500176	0
38	6.25	Florina Scarlatache , Gh. Grigoraş, Gh. Cârţină, G. Chicco, <i>A comparative study regarding the optimal placement of the DG sources</i> , 2012 International Conference and Exposition on Electrical and Power Engineering, Iasi, Romania, pp. 231 – 236, 2012, WOS:000324685300046	0
39	8.33	Gh. Grigoraş, Florina Scarlatache , Gh. Cârţină, <i>Load estimation for distribution systems using clustering techniques</i> , 2012 13th International Conference on Optimization of Electrical and Electronic Equipment (OPTIM), Braşov, Romania, pp. 301 – 306, 2012, WOS:000398866700045	0
40	6.25	Florina Scarlatache , Gh. Grigoraş, G. Chicco, Gh. Cârţină, <i>Using k-means clustering method in determination of the optimal placement of distributed generation sources in electrical distribution systems</i> , 2012 13th International Conference on Optimization of Electrical and Electronic Equipment (OPTIM), Braşov, Romania, pp. 953 – 958, 2012, WOS:000398866700143	0

41	6.25	D. Comanescu, Gh. Grigoraş, Gh. Cârjină, Florina Rotaru (Scarlatache) , <i>Determination of typical load profiles in hydro-power plant by clustering techniques</i> , 2010 12th International Conference on Optimization of Electrical and Electronic Equipment, Braşov, Romania, pp. 1294 – 1297, 2010, WOS:000291967300194	0
42	6.25	Gh. Grigoraş, Gh. Cârjină, E.-C. Bobric, Florina Rotaru (Scarlatache) , <i>Evaluation of the performances of efficient transformers in distribution networks by fuzzy techniques</i> , 2010 12th International Conference on Optimization of Electrical and Electronic Equipment, Braşov, Romania, pp. 1281 – 1284, 2010, WOS:000291967300192	0
	487.61		

2.2. Articole în reviste și volumele unor manifestări științifice indexate în alte baze de date internaționale

Nr crt	Rezultate (punctaje)	Autorii, titlul lucrării, revista, pag (de la – pana la), vol....,
1	3.33	V.A. Scarlatache, S. Aradoaiei, M. Olariu, A.T. Filip, Florina Scarlatache , G. Gheorghian, Continuous Improvement in Education Based on Deming Model in Worldwide Context, 2022 International Conference and Exposition on Electrical And Power Engineering (EPE), 2022, pp. 562-565, doi: 10.1109/EPE56121.2022.9959078.
2	5	Gh. Grigoras, V. Dandea, B.-Ctin. Neagu, Florina Scarlatache , Load Estimation with the Clustering-Based Selection of the Electric Distribution Substations Integrated in SCADA System, 10th International Conference on ENERGY and ENVIRONMENT (CIEM), 14 – 15 Octombrie, 2021, Bucuresti, Romani. (IEEE Xplore)
3	5	C-tin Zetu, B.-C.tin Neagu, Gh. Grigoras, Florina Scarlatache , A New Approach for the Coexistence Study of Urban Buildings Near High Voltage Overhead Lines, 10th International Conference on ENERGY and ENVIRONMENT (CIEM), 14 – 15 Octombrie, 2021, Bucuresti, Romania. (IEEE Xplore)
4	4	E. Chelaru, Gh. Grigoraș, L.Noroc, B.-Ctin Neagu, Florina Scarlatache , Influence of the Prosumers on the Replacement Strategies of the Aged Transformers from the Electric Distribution Networks, 13th Interantional Conference on Electromechanical and Energy Systems (SIELMEN), 7-8 Octombrie, 2021, Chisinau, Rep. Moldova. (IEEE Xplore)
5	5	V. Dandea, Gh. Grigoras, B.-Ctin Neagu, Florina Scarlatache , A Clustering-based Knowledge Extraction Methodology for Prosumers' Classification and Injected Power Profiles Grouping, 13th International Conference on Electronics, Computers and Artificial Intelligence, ECAI 2021, 1 – 3 Julie, 2021, Pitesti, Romania. (IEEE Xplore)
6	5	R. Garbea, Florina Scarlatache , Gh. Grigoras, B.-Ctin Neagu , Integration of Data Mining Techniques in SCADA System for Optimal Operation of Hydropower Plants, 13th International Conference on Electronics, Computers and Artificial Intelligence, ECAI 2021, 1 – 3 Julie, 2021, Pitesti, Romania. (IEEE Xplore)
7	5	R. Garbea, Florina Scarlatache , Gh. Grigoras, B. Ctin Neagu, Extracting the Operating Characteristics of Hydropower Plants Using a Clustering-based Efficient Methodology, 9th International Conference on Modern Power Systems (MPS2021), Cluj-Napoca, Romania, 16-17 Iunie, 2021. (IEEE Xplore)
8	5	C-tin Zetu, B.Ctin Neagu, Gh.Grigoras, Florina Scarlatache ,The Risk Analisys for the Coexistence of Overhead Lines and Urban Green Areas, 9th International Conference on Modern Power Systems(MPS2021), Cluj-Napoca, Romania, 16-17 Iunie, 2021. (IEEE Xplore)
9	4	Gh. Grigoraș, M.Gavrilaș, Florina Scarlatache , M. Cazacu, M. Cosarca, <i>Assessing Energy Losses in Unbalanced Low Voltage Electric Distribution Networks</i> , Energetica, Vol. 64, Nr. 2, pp. 53 – 59, 2016, ISSN: 1453-2360 (Index Copernicus) – cod CNCSIS : 512.
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11	6.66	Florina Scarlatache , Gh. Grigoraș, B.-Ctin Neagu, <i>The Impact Of Distributed Generation On The Voltage Control In Electrical Distribution Networks</i> , Energetica, Vol. 62, nr. 3, pp. 105 – 110, 2014, ISSN: 1453-2360 (Index Copernicus) - cod CNCSIS: 512.
12	10	Florina Scarlatache , Gh. Grigoraș, <i>A Wind Energy Profiling Method Based On Unsupervised Learning Techniques</i> , Buletinul Institutului Politehnic din Iasi, Secția: Electrotehnică, Energetică, Electronică, Tomul LX (LXIV), Fasc. 2, pp. 9-17, 2014, ISSN 1223-8139 (Index Copernicus, getCITED, Ulrich's) - cod CNCSIS: 87.
13	6.66	Gh. Grigoraș, Florina Scarlatache , C. Bărbulescu, <i>Optimal power flow analysis using the correlation method for estimation of nodal loads</i> , Acta Electrotehnica, vol. 54, nr. 5, 2013, pp. 208 – 2012, 2013, ISSN : 1841-3323 (DOAJ, VINITI) - cod CNCSIS: 576.
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15	5	Gh. Grigoraș, V. Alexandrescu, Gh. Cârjină, Florina Scarlatache , <i>Estimation of Power/Energy Losses in Electric Distribution Systems based on an Efficient Method</i> , TELKOMNIKA Indonesian Journal of Electrical Engineering, vol. 11, No. 9, pp. 4854-4860,

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17	10	Gh. Grigoraş, Florina Scarlatache , <i>Estimation of Power/Energy Losses in Electric Networks Using Artificial Intelligence Techniques</i> , Energetica, Vol. 61, Nr. 5, pp. 189 – 193, 2013, ISSN: 1453-2360 (Index Copernicus) - cod CNCSIS: 512.
18	10	Florina Scarlatache , Gh. Grigoraş, <i>An Approach Regarding the Placement of Distributed Generation Sources in Electric Distribution Systems using Hurwitz Criterion</i> , Buletinul Institutului Politehnic din Iasi, Seria Electrotehnica, Energetica, Tomul LVIII(LXII), No. 4, pp 109 - 117, 2012, ISSN: 1223-8139 (Index Copernicus, getCITED, Ulrich's) - cod CNCSIS: 87.
19	6.66	Florina Scarlatache , Gh. Grigoraş, Gh. Cârţină, <i>Using of Clustering Techniques for Placement of Distributed Generation Sources in Electrical Distribution Systems</i> , Buletinul AGIR, No. 3, pp. 1 - 6, 2012. ISSN: 2247-3548 (Index Copernicus) - cod CNCSIS:415.
20	6.66	Florina Scarlatache , Gh. Grigoraş, Gh. Cârţină, <i>An Algorithm based on the Clustering Techniques for the Optimal Placement of the Distributed Generation Sources in Distribution Systems</i> , Buletinul Institutului Politehnic din Iasi, Seria Electrotehncica, Energetica, Tomul LVIII(LXII), No. 1, pp. 115 – 124, 2012, ISSN 1223-8139 (Index Copernicus, getCITED, Ulrich's) - cod CNCSIS: 87.
21	5	C. Bărbulescu, Gh. Grigoraş, Gh. Cârţină, Florina Rotaru (Scarlatache) , <i>Study Based on Clustering Techniques Regarding Accidental Events from The South-East of the Transport System from Romania</i> , Acta Electrotehnica, vol. 52, no. 5, pp. 46 – 49, 2011, ISSN 2344–5637, (DOAJ, VINITI) - cod CNCSIS: 576.
22	5	Gh. Grigoraş, Gh. Cârţină, M.Istrate, Florina Rotaru (Scarlatache) , <i>The Efficiency of the Clustering Techniques in the Energy Losses Evaluation from Distribution Networks</i> , International Journal of Mathematical Models and Methods in Applied Sciences, vol. 5, no. 1, pp. 133 – 140, 2011, ISSN: 1998-0140 (SCOPUS)
23	5	Gh. Grigoraş, C.Bărbulescu, Gh. Cârţină, Florina Rotaru (Scarlatache) , <i>Accidental Incidents Duration Analysis in Power Transmission Grids</i> , Buletinul Institutului Politehnic Iaşi, Seria: Electrotehnică, Energetică, Electronică Tomul LVI (LX), Fasc. 2, pp. 107 – 115, 2010, ISSN 1223-8139, (IndexCopernicus) - cod CNCSIS: 87.
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	146.3	

2.4. Granturi/proiecte castigate prin competiție

Nr. Crt.	Subcategorii (National / International)	Rezultate (punctaje)	Titlul proiectului	Calitate (direct or/me mbru in echipa)	Valoare (RON)	Valoare (EUR)
0	1	2	3	4	5	6
1	National	1x10	<i>Sistem integrat pentru optimizarea consumului de energie a grupurilor de pompare din cadrul sistemelor de irigații Grant PN-III-P2-2.1-CI-2017-0169, Contract 17CI/25.07.2017</i>	Director/ Responsabil proiect	49550	10500
2	National	1x2	<i>Platforma software de asistare a deciziilor în proiectarea ecologică optimă a instalațiilor electrice cu producere și stocare locală a energiei, în contextul creșterii eficienței energetice, Grant PN-III-P2-2.1-CI- 2018-1128, Contract192CI/25.07.2018</i>	Membru	50000	10893
3	National	1x2	<i>Platforma de management și control integrat al fluxurilor purtătorilor de energie în scopul creșterii eficienței energetice la IMM-uri, Grant PN-III-P2-2.1-CI-2017-0190, Contract 105CI/25.07.2017</i>	Membru	50000	10893
4	National	1x2	<i>Platformă software inovativă pentru managementul energetic al consumatorilor finali în vederea creșterii eficienței energetice și a reducerii emisiilor de carbon, Grant PN-III-P2-2.1-CI-2018-1017, Contract 174CI/ 04/07/2018</i>	Membru	49990	10891
5	National	1x2	<i>Elaborarea și publicarea de lucrări științifice în jurnale indexate WoS, clasificate în quartilele Q1 și Q2, Grant intern - PUBLICAȚII, Universitatea Tehnică „Gheorghe Asachi”din Iași”, Contract nr. GI /P19 /2021</i>	Membru	45000	9146
6	National	1x2	<i>Contract POSDRU /87/1.3/S/6089, “Școala Universitară de formare inițială și continuă a personalului didactic și a trainerilor din domeniul specializărilor tehnice și ingineresti – DidaTec”,2013</i>	Membru	2958852	591770
7	Internațional	4 x 3 = 12	<i>PN III ERA NET Contract Nr. 83/2016-SUI (Smart Urban Isle): Smart bioclimatic low-carbon urban areas as innovative energy isles in the sustainable city, 2016- 2018</i>	Membru	710968	142194

Nr. Crt.	Subcategorii (National / International)	Rezultate (punctaje)	Titlul proiectului	Calitate (director/membru in echipa)	Valoare (RON)	Valoare (EUR)
0	1	2	3	4	5	6
8	National	2 x 2 = 4	POR/2019/1/1.1/OS 1.2/1, cod SMIS 137825, Sistem video de evaluare a tipodimensiunilor clientilor magazinelor online de haine, 2021 - 2023	Membru	1242000	248400
9	National	2 x 2 = 4	PNIII-213PED/2017 Sistem OFDM bazat pe utilizarea FFT cu argument neîntreg, Cod proiect: PN-III-P2-2.1-PED-2016-0855, 2017- 2018	Membru	330000	66000
TOTAL		40				

2.5. Contracte de cercetare / consultanță (valoare echivalentă de minim 2000 EUR)

2.6.

Nr. Crt.	Subcategorii (National / International)	Rezultate (punctaje)	Titlul proiectului	Calitate (director/membru in echipa)	Valoare (RON)	Valoare (EUR)
0	1	2	3	4	5	6
1	National	2	Determinarea anuală și/sau trimestrială a prognozei de consum propriu tehnologic pentru energie electrică din zona de activitate a Delgaz Grid. S.A. în anul 2018 Contract nr. 3105 /14.02.2018	Membru	46500	9981
2	National	2	Determinarea anuală și/sau trimestrială a prognozei de consum propriu tehnologic pentru energie electrică din zona de activitate a Delgaz Grid. S.A. Contract nr. 448P / 15.03.2017	Membru	44888	9887
3	National	2	Elaborare studiu - Servicii de consultanță de specialitate în proiectul EON Moldova Distribuție de reducere a pierderilor tehnice în rețelele de distribuție a energiei electrice pentru perioada 2016; Contract nr. 684P / 21.04.2016;	Membru	60000	13483

4	National	2	<i>Servicii de consultanță de specialitate în proiectul EON Moldova Distribuție de reducere a pierderilor tehnice în rețelele de distribuție, Contract nr. 1398P / 08.10.2014, beneficiar: E.ON Moldova Distribuție S.A. - Membru</i>	Membru	194000	43654
5	National	2	<i>Studiu privind verificarea schemelor de protecție împotriva loviturilor directe de trăsnet în cazul stației 220/110/20 kV Munteni. Analiză comparată a metodei normate și a metodei electrogeometrice, Contract nr. 8795P/17.05.2013. Beneficiar: CN Transelectrica SA, Sucursala de Transport Bacău.</i>	Membru	57000	12925
TOTAL		10				

3. RECUNOASTERE SI IMPACTUL ACTIVITATII (A3)

3.1. Citări în reviste și volumele conferințelor indexate WOS/BDI

Nr. crt.	Nr. citari	Lucrarea citată	Nr. autori	
	L1	Florina Rotaru (Scarlatache) , Chicco G., Grigoras Gh., Cartina Gh., Two-stage distributed generation optimal sizing with clustering- based node selection, <i>International Journal of Electrical Power & Energy Systems</i> , Vol. 40, No. 1, September 2012, Pages 120–129, doi:10.1016/j.ijepes.2012.02.012	4	
		Lucrarea care citează	Tip	Punctaj
1	1	Georgilakis, P. S., & Hatziargyriou, N. D. (2013). Optimal distributed generation placement in power distribution networks: models, methods, and future research. <i>IEEE Transactions on Power Systems</i> , 28(3), 3420-3428.	ISI	1.25
2	2	Peik-Herfeh, M., Seifi, H., & Sheikh-El-Eslami, M. K. (2013). Decision making of a virtual power plant under uncertainties for bidding in a day-ahead market using point estimate method. <i>International Journal of Electrical Power & Energy Systems</i> , 44(1), 88-98.	ISI	1.25
3	3	Ugranli, F., & Karatepe, E. (2013). Multiple-distributed generation planning under load uncertainty and different penetration levels. <i>International Journal of Electrical Power & Energy Systems</i> , 46, 132-144.	ISI	1.25
4	4	Dehghanian, P., Hosseini, S. H., Moeini-Aghtaie, M., & Arabali, A. (2013). Optimal siting of DG units in power systems from a probabilistic multi-objective optimization perspective. <i>International Journal of Electrical Power & Energy Systems</i> , 51, 14-26.	ISI	1.25
5	5	Murthy, V. V. S. N., & Kumar, A. (2013). Comparison of optimal DG allocation methods in radial distribution systems based on sensitivity approaches. <i>International Journal of Electrical Power & Energy Systems</i> , 53, 450-467	ISI	1.25
6	6	Rozali, N. E. M., Alwi, S. R. W., Manan, Z. A., Klemeš, J. J., & Hassan, M. Y. (2014). Optimal sizing of hybrid power systems using power pinch analysis. <i>Journal of Cleaner Production</i> , 71, 158-167.	ISI	1.25
7	7	Jahromi, M. E., Ehsan, M., & Meyabadi, A. F. (2012). A dynamic fuzzy interactive approach for DG expansion planning. <i>International Journal of Electrical Power & Energy Systems</i> , 43(1), 1094-1105.	ISI	1.25
8	8	Yadav, A., & Srivastava, L. (2014, January). Optimal placement of distributed generation: An overview and key issues. In <i>Power Signals Control and Computations (EPSCICON), 2014 International Conference on</i> (pp. 1-6). IEEE.	ISI	1.25
9	9	De Souza, A. R. R., Fernandes, T. S. P., Aoki, A. R., Sans, M. R., Oening, A. P., Marcilio, D. C., & Omori, J. S. (2013). Sensitivity analysis to connect distributed generation. <i>International Journal of Electrical Power & Energy Systems</i> , 46, 145-152.	ISI	1.25
10	10	Ugranli, F., & Karatepe, E. (2013). Optimal wind turbine sizing to minimize energy loss. <i>International Journal of Electrical Power & Energy Systems</i> , 53, 656-663.	ISI	1.25
11	11	Ebrahimi, R., Ehsan, M., & Nouri, H. (2013). A profit-centric strategy for distributed generation planning considering time varying voltage dependent load demand. <i>International Journal of Electrical Power & Energy Systems</i> , 44(1), 168-178.	ISI	1.25
12	12	Vinothkumar, K., & Selvan, M. P. (2014). Hierarchical agglomerative clustering algorithm method for distributed generation planning. <i>International Journal of Electrical Power & Energy Systems</i> , 56, 259-269.	ISI	1.25
13	13	Li Jing, Wei Wei, Xin Huanhai, & Peng Yonggang. (2014). Based on the optimal allocation of wind power probability trend of distributed power. <i>Automation of Electric Power Systems</i> , 38 (14), 70G76. (ACM0	BDI	0.75
14	14	Chen, G., Chen, B., Dai, P., & Zhou, H. (2013). A Sustainability-Oriented Multiobjective Optimization Model for Siting and Sizing Distributed Generation Plants in Distribution Systems. <i>Mathematical Problems in Engineering</i> , 2013.	ISI	1.25
15	15	Sultana, S., & Roy, P. K. (2015). Oppositional krill herd algorithm for optimal location of distributed generator in radial distribution system. <i>International Journal of Electrical Power & Energy Systems</i> , 73, 182-191.	ISI	1.25
16	16	Hui, W., & Fangqiu, X. (2012, December). Different load models based on particle swarm algorithm for the siting and	ISI	1.25

		sizing optimization problem for distributed power. In <i>2012 10th International Power & Energy Conference (IPEC)</i> (pp. 19-24).		
17	17	Gupta, P., Pandit, M., & Kothari, D. P. (2014, December). A review on optimal sizing and siting of distributed generation system: Integrating distributed generation into the grid. In <i>Power India International Conference (PIICON), 2014 6th IEEE</i> (pp. 1-6).	ISI	1.25
18	18	Singh, A. K., & Parida, S. K. (2015). Allocation of distributed generation using proposed DMSP approach based on utility and customers aspects under deregulated environment. <i>International Journal of Electrical Power & Energy Systems</i> , 68, 159-169.	ISI	1.25
19	19	Prenc, R., Bogunović, N., & Cuculić, A. (2015). The effect of distributed generation type and location constraints on the solution of the allocation algorithm. <i>International Review of Electrical Engineering (IREE)</i> , 10(1), 88-97. (SCOPUS)	BDI	0.75
20	20	Dehghanian, P., Hosseini, S. H., Moeini-Agtaie, M., & Arabali, A. (2013). Electrical Power and Energy Systems. <i>Electrical Power and Energy Systems</i> , 51, 14-26.	ISI	1.25
21	21	Georgilakis, P. S. (2013). Integration of Distributed Generation in the Power System, M. Bollen, F. Hassan. Wiley–IEEE Press, New Jersey (2011).	ISI	1.25
22	22	Ugranlı, F., & Karatepe, E. (2015). Multi-objective transmission expansion planning considering minimization of curtailed wind energy. <i>International Journal of Electrical Power & Energy Systems</i> , 65, 348-356.	ISI	1.25
23	23	Huy, P. D., Ramachandaramurthy, V. K., & Pesaran, H. M. (2015, November). Optimal selection of location, sizing and power factor for solar PV plants using differential evolution. In <i>Smart Grid Technologies-Asia (ISGT ASIA), 2015 IEEE Innovative</i> (pp. 1-6).	ISI	1.25
24	24	Nojavan, S., Jalali, M., & Zare, K. (2015). An MINLP Approach for Optimal DG Unit's Allocation in Radial/Mesh Distribution Systems Take into Account Voltage Stability Index. <i>Iranian Journal of Science and Technology. Transactions of Electrical Engineering</i> , 39(E2), 155.	ISI	1.25
25	25	Kumawat, M., Gupta, N., Jain, N., & Saxena, D. (2015, January). Optimal distributed generation placement in power distributed networks: A review. In <i>Electrical, Electronics, Signals, Communication and Optimization (EESCO), 2015 International Conference on</i> (pp. 1-6).	ISI	1.25
26	26	Jureedi, N. K., Rosalina, K. M., & Kumar, N. P. Clustering Analysis And Its Application in Electrical Distribution System, <i>International Journal of Electrical, Electronics and Computer Systems (IJECS)</i> , Vol.1, No. 1, 2013. (DOAJ)	BDI	0.75
27	27	SD. Meera Shareef, T. Vinod Kumar (2014), A Review on Models and Methods for Optimal Placement of Distributed Generation in Power Distribution System, <i>International Journal of Education and applied research (IJEAR)</i> , 4(1), 161-169. (Index Copernicus)	BDI	0.75
28	28	Prakash, P., & Khatod, D. K. (2016). Optimal sizing and siting techniques for distributed generation in distribution systems: A review. <i>Renewable and Sustainable Energy Reviews</i> , 57, 111-130	ISI	1.25
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33	33	Kools, L., & Phillipson, F. (2016). Data granularity and the optimal planning of distributed generation. <i>Energy</i> , 112, 342-352.	ISI	1.25
34	34	HA, M. P., Huy, P. D., & Ramachandaramurthy, V. K. (2016). A review of the optimal allocation of distributed generation: Objectives, constraints, methods, and algorithms. <i>Renewable and Sustainable Energy Reviews</i> . 75, 293 – 312.	ISI	1.25
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39	39	Al Ameri, A., & Nichita, C. (2017). Linear model for optimal distributed generation size predication. <i>Advances in Electrical and Electronic Engineering</i> , 15(1), 28. (SCOPUS, EBSCO)	BDI	0.75
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42	42	Othmann M.M., El-Khattan W., Abdelaziz A.Y., A Firefly based Optimization Algorithm for Optimal Planning of Voltage Controlled Distributed Generators, <i>Engineering Optimization IV</i> , 523 – 528, Francis & Taylor Group (SCOPUS)	BDI	0.75
43	43	Sultanaa U., Khairuddina A., Mokhtara A. S., Hussain Qazia S., Sultanaa B., An Optimization Approach for Minimizing Energy Losses of Distribution Systems based on Distributed Generation Placement, <i>Jurnal Teknologi</i> , vol. 79, no. 4, pp. 87 – 96, 2017 (SCOPUS)	BDI	0.75
44	44	Bouhouras, Aggelos S., Paschalis A. Gkaidatzis, and Dimitris P. Labridis, Optimal Distributed Generation Placement Problem for Power and Energy Loss Minimization, <i>Electric Distribution Network Planning</i> . Springer, Singapore, 2018. 215-251,	ISI	1.25
45	45	Latreche, Y., Bouchekara, H. R. E. H., Kerrou, F., Naidu, K., Mokhlis, H., & Javaid, M. S., Comprehensive review on the optimal integration of distributed generation in distribution systems. <i>Journal of Renewable and Sustainable Energy</i> , vol. 10, no. 5, 2018, 055303.	ISI	1.25
46	46	Agarwal, U., & Jain, N., Distributed Energy Resources and Supportive Methodologies for their Optimal Planning under Modern Distribution Network: a Review, <i>Technology and Economics of Smart Grids and Sustainable Energy</i> , 4(1), 3, 2019	BDI	0.75
47	47	TU, Haicheng, et al. Optimal robustness in power grids from a network science perspective, <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , vol. 66, no. 1, 2019, pp. 126-130.	ISI	1.25
48	48	Carrión, D.; García, E.; González, J. W.; Isaac, I. A.; López, G. J.; Hincapié, R., Método Heurístico de Ubicación Óptima de Centros de Transformación y Enrutamiento de Redes Eléctricas de Distribución, <i>Revista Técnica Energía</i> . ene2017, Issue 13, p90-96.	BDI	0.75
49	49	Rigo-Mariani, R., Ling, K. V., & Maciejowski, J. (2019). A clusterized energy management with linearized losses in the presence of multiple types of distributed generation. <i>International Journal of Electrical Power & Energy Systems</i> , 113, 9-22.	ISI	1.25
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212	3	Xavier, T. F., & Wenping, Q. I. N. (2019). Analysis and Design of a Passively Damping LCL Filter in Three-Phase Converters. <i>International Journal of Advanced Engineering Research and Science</i> , 6(11).	BDI	1
213	4	Smugala, D., & Bonk, M. (2020). Study of Arc Parameters of AC Relays Operating under Distorted Supply Voltage Conditions. <i>Energies</i> , 13(18), 4785.	ISI	1.66
214	5	Essackjee, I. A., & King, R. T. A. (2020, November). Impact of Integrating Small Scale Wind Systems in the Secondary Distribution Network-Case Study for Mauritius. In 2020 3rd International Conference on Emerging Trends in Electrical, Electronic and Communications Engineering (ELECOM) (pp. 204-209). IEEE.	ISI	1.66
215	6	Mandaris, D., Nugroho, H. W., Bakti, P., Utomo, B., Wahyu, T. A., Hidayat, S. W., ... & Hamdani, D. (2021). Karakterisasi Conducted Emission Noise pada Inverter di Sistem Photovoltaic Off-Grid. <i>Jurnal Nasional Teknik Elektro dan Teknologi Informasi</i> , 10(1), 100-109.	BDI	1

216	7	Gheorghiu C., Gheorghe S.; Scripcariu, M.; Porumb R.; Sava, G. The Power Quality Indices influence on the Economics and the Energy Efficiency of industrial end-users, : 2021 International Conference on Applied and Theoretical Electricity (ICATE), Craiova, Romania, 2021	ISI	1.66
				9.66
		Lucrarea citată	Nr. autori	
	L22	Bogdan-Constantin Neagu, Gh. Grigoraș, Florina Scarlatache , <i>Effects of outliers on calculation of load profile factors</i> , 2017 International Conference on Modern Power Systems (MPS), Cluj-Napoca, Romania, 6 – 9 Iunie, 2017	3	
		Lucrarea care citează		
217	1	Cernușcă, D., Pentiuc, R. D., Hopulele, E., & Milici, L. D. (2019, October). Distributed Generation Modeling in Matlab-Simulink. In 2019 International Conference on Electromechanical and Energy Systems (SIELMEN) (pp. 1-4). IEEE.	ISI	1.66
218	2	D. Irimia ; E.C. Bobric, Aplication of Independent Component Analysis in Load Profile Study, Bulletin of the Polytechnic Institute of Iași, Vol. 65 (69), No. 3, pp. 39 – 54, 2019.	BDI	1
				2.66
		Lucrarea citată	Nr. autori	
	L23	Florina Scarlatache , Gh. Grigoraș, B.-Ctin Neagu, R. Ciobanu, <i>Aided decision making for hybrid energy systems planning in micro-grids</i> , 2018 Smart City Symposium Prague (SCSP), Praga, Republica Cehă, 24 – 25 Mai, 2018	3	
		Lucrarea care citează	Tip	
219	1	Costa, T.S.; Villalva, M.G. Technical Evaluation of a PV-Diesel Hybrid System with Energy Storage: Case Study in the Tapajós-Arapiuns Extractive Reserve, Amazon, Brazil. Energies 2020, 13, 2969.	ISI	1.25
				1.25
		Lucrarea citată	Nr. autori	
	L24	Gh. Grigoraș, Florina Scarlatache , <i>Processing of smart meters data for peak load estimation of consumers</i> , 2015 9th International Symposium on Advanced Topics in Electrical Engineering (ATEE), București, Romania, pp. 864 – 867, 2015, WOS:000368159800159	2	
		Lucrarea care citează	Tip	
220	1	Sidorov, Aleksandr Ivanovich, and Saidjon Sheralievich Tavarov. Method for Forecasting Electric Consumption for Household Users in the Conditions of the Republic of Tajikistan, International Journal of Sustainable Development and Planning, Vol. 15, No. 4, June, 2020, pp. 569-574	BDI	1.5
221	2	S. Sh. Tavarov, G. Kh. Madzhidov, Enhancing the Reliability of Electricity Supply of the City Electric Network Of Dushanbe, Measuring. Monitoring. Management. Control, Vol. 32, No. 2, 2020, DOI: 10.21685/2307-5538-2020-2-1	BDI	1.5
222	3	Sidorov, A. I., Tavarov, S. S., & Khanzhina, O. A. (2020, November). The Algorithm of Electricity Consumption Control By Household Consumers Based on Smart Electricity Meters in the Republic of Tajikistan. In 2020 Global Smart Industry Conference (GloSIC) (pp. 15-19). IEEE.	BDI	1.5
223	4	Tavarov, S., Method for Projecting Household Electricity Consumption in the Republic of Tajikistan, Bulletin of South Ural State University, vol.20, no. 2, pp. 28-35.	BDI	1.5
224	5	Sidorov, A. I., Tavarov, S. S., & Khanzhina, O. A. (2020, October). Recommendations of Power Consumption Standards for Cities of the Republic of Tajikistan Based on the Developed Forecasting Method. In 2020 International Multi-Conference on Industrial Engineering and Modern Technologies (FarEastCon) (pp. 1-5). IEEE.	BDI	1.5
225	6	S. S. Tavarov, A. I. Sidorov, Y., V. Kalgina, Model and Algorithm of Electricity Consumption Management for Household Consumers in the Republic of Tajikistan, Mathematical Modelling of Engineering Problems, Vol. 7, No. 4, December, 2020, pp. 520-526.	BDI	1.5

226	7	S. S. Tavarov, A. I. Sidorov, Y., Improving Energy Efficiency by Household Consumers in the Republic of Tajikistan Based on the Developed Forecasting Method, International Journal of Design & Nature and Ecodynamics, Vol. 15, No. 6, December, 2020, pp. 829-834	ISI	2.5
227	8	A. I. Sidorov, S. S. Tavarov, Enhancing reliability of electricity supply of city electric networks cities of Dushanbe, Bulletin of Electrical Engineering and Informatics, 2021, vol. 10, nr. 1, pp. 46-54	BDI	1.5
228	9	Tavarov S.S., Sidorov A.I. (2021) Power Consumption Modeling in Urban Electric Networks of 0.4–10 kV of the Republic of Tajikistan. In: Radionov A.A., Gasiyarov V.R. (eds) Advances in Automation II. RusAutoConf 2020. Lecture Notes in Electrical Engineering, vol 729. Springer, Cham. https://doi.org/10.1007/978-3-030-71119-1_84	BDI	1.5
229	10	Bañales S, Dormido R, Duro N. Smart Meters Time Series Clustering for Demand Response Applications in the Context of High Penetration of Renewable Energy Resources. Energies. 2021; 14(12):3458. https://doi.org/10.3390/en14123458	ISI	2.5
				17.0
		Lucrarea citată	Nr. autori	
	L25	Florina Scarlatache , Gh. Grigoraș, B. Neagu, <i>Decision making methodology based on fuzzy logic in optimal DG location</i> , 8th International Conference on Electronics, Computers and Artificial Intelligence (ECAI), Ploiesti, Romania, 2016	3	
		Lucrarea care citează	Tip	
230	1	Arunagirinathan, P., Venayagamoorthy, G. K. (2020, July). Situational Awareness of Power System Stabilizers' Performance in Energy Control Centers. 2020 IEEE International Conference on Fuzzy Systems (FUZZ-IEEE) (pp. 1-8). IEEE.	BDI	1
				1
		Lucrarea citată	Nr. autori	
	L26	Florina Scarlatache , Gh. Grigoraș, <i>A fuzzy approach in optimal DG planning</i> , 2016 International Conference and Exposition on Electrical and Power Engineering (EPE), Iasi, Romania, pp. 738 – 742, 2016	2	
		Lucrarea care citează	Tip	
231	1	Wu, X., & Fu, X. Multi-Energy System Planning for Low-Carbon Park Considering Supply and Demand Interaction. In 2020 IEEE 4th Conference on Energy Internet and Energy System Integration (EI2) (pp. 1423-1427). IEEE.	BDI	1.5
232	2	Pawar A., Viral R.K., Mishra A. (2022) Distribution Expansion Planning in a Deregulated Environment. In: Tomar A., Malik H., Kumar P., Iqbal A. (eds) Machine Learning, Advances in Computing, Renewable Energy and Communication. Lecture Notes in Electrical Engineering, vol 768. Springer, Singapore. https://doi.org/10.1007/978-981-16-2354-7_2	BDI	1.5
				3
		Lucrarea citată	Nr. autori	
	L27	V. Dandea, G. Grigoras, B.C. Neagu, F. Scarlatache , K-Means Clustering-Based Data Mining Methodology to Discover the Prosumers' Energy Features. 12th International Symposium on Advanced Topics in Electrical Engineering (ATEE), Bucharest, Romania, 25 March 2021; pp. 1–5.	4	
		Lucrarea care citează	Tip	
233	1	Aksan, F.; Jasiński, M.; Sikorski, T.; Kaczorowska, D.; Rezmer, J.; Suresh, V.; Leonowicz, Z.; Kostyla, P.; Szymańda, J.; Janik, P. Clustering Methods for Power Quality Measurements in Virtual Power Plant. Energies 2021, 14, 5902. https://doi.org/10.3390/en14185902	ISI	1.25
				1.25

		Lucrarea citată	Nr. autori	
	L28	O. Ivanov, B.-Ctin Neagu, Gh. Grigoraș, FI.Scarlatache , M. Gavrilas, A Metaheuristic Algorithm for Flexible Energy Storage Management in Residential Electricity Distribution Grids, Mathematics, vol. 9, nr. 19, 2375, 2021	5	
		Lucrarea care citează	Tip	
234	1	Nadimi-Shahraki MH, Fatahi A, Zamani H, Mirjalili S, Abualigah L. An Improved Moth-Flame Optimization Algorithm with Adaptation Mechanism to Solve Numerical and Mechanical Engineering Problems. Entropy. 2021; 23(12):1637.	ISI	1
235	2	Nadimi-Shahraki MH, Fatahi A, Zamani H, Mirjalili S, Abualigah L, Abd Elaziz M. Migration-Based Moth-Flame Optimization Algorithm. Processes. 2021; 9(12):2276.	ISI	1
				2
			TOTAL	344.24

3.4. Membru în colectivele de redacție sau comitete științifice al revistelor și manifestărilor științifice

Nr crt.	Revista/Conferinta	ISI/BDI	Calitatea	Punctaj
1	Mathematics (https://www.mdpi.com/journal/mathematics/topic_editors/engineering_mathematics)	ISI	Membru in comitetul Consultativ tematic	10
2	IRAQI JOURNAL FOR ELECTRICAL AND ELECTRONIC ENGINEERING (IJEED) (https://ijeee.edu.iq/editorialboard/)	BDI	Membru in Comitetul Editorial	3
3	Journal of Electrical and Electronic Engineering (https://www.sciencepublishinggroup.com/journal/editorialboard?journalid=239)	BDI	Membru in Comitetul Editorial	3
4	3rd International Conference on Energy and Power Engineering (EPE2020), Shanghai, China, 2020; http://www.epe-conf.org/com.html	BDI	Membru în comitetul științific	6
5	International Conference on New Energy, Power and Environmental Engineering (NEPEE2020), Xiamen, China, 2020; http://www.nepee2020.org/com.html	BDI	Membru în comitetul științific	6
6	ICDE2021 2nd International conference on Desalination and Environment, Nanjing, China, December 17-19, 2021; http://www.icde2021.com/?op=committee	BDI	Membru în comitetul științific	6
7	2021 International Conference on Green Energy, Environment and Computer Application (GEECA2021) September 17-18, 2021 Guangzhou, China; http://www.geeca2021.org/com.html	BDI	Membru în comitetul științific	6
8	2021 2nd International Conference on New Energy, Power and Environmental Engineering (NEPEE2021); Shenzhen, China, November 14-15, 2021; http://www.2nd-nepee.org/com.html	BDI	Membru în comitetul științific	6
9	3rd International Conference on Computer, Communications and Mechatronics Engineering (CCME2021) http://www.3rd-ccme.org/com.html	BDI	Membru în comitetul științific	6
10	4th International Conference on Energy and Power Engineering (EPE2021) September 17-18, 2021 in Guangzhou, China; http://4th-epe.org/com.html	BDI	Membru în comitetul științific	6
11	2nd International Conference on Energy, Power and Environmental System Engineering (ICEPESE2021) http://www.icepese2021.org/com.html	BDI	Membru în comitetul științific	6
12	2021 International Workshop on Environmental Science and Renewable Energy Engineering (ESREE2021) http://www.esree2021.org/com.html	BDI	Membru în comitetul științific	6
13	Technical Program Committee EEPE2018 http://www.eepe2018.org/com.html		Membru în	6

			comitetul științific	
14	2018 International Conference on Energy Development and Environmental Protection (EDEP 2018) www.atlantis-press.com/proceedings/edep-18	BDI	Membru în comitetul științific	6
15	Technial Program Committee EDEP2017 http://www.edep2017.org/?op=committee	BDI	Membru în comitetul științific	6
16	Technical Program Committee EDEP2016 (http://www.eedp2016.org/?op=committee)	BDI	Membru în comitetul științific	6
17	EPE 2014 - International Conference and Exposition on Electrical and Power Engineering (http://www.epe.tuiasi.ro/2014/pages_en/OrganizingCommittee.html)	ISI	Membru in comitetul de organizare	10
18	2022 International Conference on Environment, Energy and Materials Engineering (ICEEME2022) http://www.iceeme2022.org/com.html	BDI	Membru în comitetul științific	6
19	2022 7th International Conference on Green Materials and Environmental Engineering (GMEE2022) http://www.7th-gmee.org/com.html	BDI	Membru în comitetul științific	6
20	2022 5th International Conference on Applied Mathematics, Modeling and Simulation (AMMS2022) http://www.5th-amms.org/com.html	BDI	Membru în comitetul științific	6
21	2022 2nd International Conference on Advanced Energy, Power and Electrical Engineering (AEPEE2022) http://www.aepee2022.org/com.html	BDI	Membru în comitetul științific	6
22	2022 Global Summit and Expo on Sustainable and Renewable Energy (GSESRE2022) https://www.thescientistt.com/solar-renewable-energy/2022/	BDI	Membru în comitetul științific	6
23	Advanced Science and Technology Application Research Center (ASTARC) http://www.astarc.org/com.html	BDI	Membru în comitetul științific	6
24	Energy and Power Engineering, https://waset.org/committees/energy-and-power-engineering (WASET)	BDI	Membru în comitetul științific	6
			TOTAL	146

3.4. Recenzor pentru reviste și manifestări științifice naționale și internaționale

Nr crt.	Nr. recenzii	Revista/Conferinta	ISI/BDI	Nr. recenzii	Punctaj
1		International Journal of Electrical Power&Energy Systems (http://www.journals.elsevier.com/international-journal-of-electrical-power-and-energy-systems)	ISI	7	70
	1	A Multi-step Piecewise Linear Approximation Based Solution for Load Pick-up Problem in Electrical Distribution System (IJPES-2018-3658)			
	2	Interval Estimation of Voltage Magnitude in Radial Distribution Feeder with Minimal Data Acquisition Requirements (IJPES-2018-3659)			
	3	Differentiated Warning Rule of Power Transformer Health Status Based on Big Data Mining (IJPES-2019-3446)			
	4	Probabilistic assessment of the influence of transformer rating on power quality indices in future residential networks (IJPES-D-21-02276)			
	5	Critical Nodes Identification for Power Grid Based on Electrical Topology and Power Flow Distribution (IJPES-D-22-02624)			
	6	Development of Effective Monitoring System for Pelton Turbine Based Hydropower Plants Using Data-Driven Approaches (IJPES-D-22-02694)			

	7	CVR Effect Improvements by Integrating More Distributed Renewable Generations (IJEPES-D-22-02830)		
2		Energies http://www.mdpi.com/journal/energies	ISI	5 50
	8	Comparison of IPM motor with distributed and concentrated 2 winding used in electric vehicle drives: electromagnetic review, 3 efficiency map and thermal analysis(energies-1521716)		
	9	Optimization models under uncertainty in distributed generation systems: A review (energies-1577834)		
	10	Analyzing Improved COA for Optimal Placement and Sizing of Distribution Generation in Distribution Systems (energies-1595229)		
	11	Prepare the public opinion in the community to accept distributed energy systems and renewable energy(energies-1723232)		
	12	Adaptive Second-order Sliding Mode Control of Buck Converters with Multi-Disturbances (energies-1781898)		
3		European Journal of Sustainable Development Research https://www.ejosdr.com	ISI	2 20
	13	Effect Of Temperature And Gas Flow Rate On 1 CO2 Capture(EJOSDR-11634-2021-R2)		
	14	Revised Second-Generation Environmental Kuznets Curve, Climate Variability, and Development Drivers in WAMZ (EJOSDR-14853-2022-R1)		
4		Sustainable Energy, Grids and Networks (SEGAN) https://www.sciencedirect.com/journal/sustainable-energy-grids-and-networks	ISI	3 30
	15	Integrated planning of MV/LV distribution systems with DG using single solution based metaheuristics with a novel neighborhood search method based on the Zbus matrix (SEGAN-D-20-00683)		
	16	Stress-informed Control of Medium-head Hydropower Plants to Reduce Penstock Fatigue (SEGAN-D-21-01021)		
	17	Feature Based Clustering Technique for Investigation of Domestic Load Profiles and Probabilistic Variation Assessment: Smart Meter Dataset (SEGAN_2019_423)		
5		Sustainability https://www.mdpi.com/journal/sustainability	ISI	1 10
	18	A Frequency-Pressure Cooperative Control Strategy of Multi microgrid with Electric-Gas System based on MA-DDPG (sustainability-1821089)		
6		Symmetry (http://www.mdpi.com/journal/symmetry)	ISI	1 10
	19	Design and temperature modeling simulation of the full closed hot air circulation tobacco bulk curing barn (symmetry-1760547)		
7		Mathematics (https://www.mdpi.com/journal/mathematics)	ISI	8 80
	20	A Novel Honey Badger Algorithm for Optimal Allocation of Multiple DG and Capacitor in Radial Distribution Networks Considering Power Loss Sensitivity (mathematics-1703870R1)		
	21	A Novel Honey Badger Algorithm for Optimal Allocation of Multiple DG and Capacitor in Radial Distribution Networks Considering Power Loss Sensitivity (mathematics-1703870R2)		
	22	Using Matlab/Simulink Software Package to Investigate Fault Behaviors in HVDC System (mathematics-1845103R1)		
	23	Using Matlab/Simulink Software Package to Investigate Fault Behaviors in HVDC System (mathematics-1845103R2)		
	24	Oppositional based Pigeon Inspired Optimizer for Solving Non-Convex Economic Load Dispatch Problem in Power Systems (mathematics-1865510)		
	25	Design and Experimental Verification of a General Single-Switch N-Stage Z-Network High Gain Boost Converter (mathematics-2061365)		
	26	Smart Transactive Energy Based Approach for Planning and Scheduling in Multi-Looped Microgrid Distribution Network across planning		

		horizon (mathematics-2041365)			
	27	The Multivariate Skewed Log-Birnbaum-Saunders Distribution and Its Associated Regression Model (mathematics-2010756)			
8		Electronics (https://www.mdpi.com/journal/electronics)	ISI	3	30
	28	A Dynamic Distributed Deterministic Load-Balancer for Decentralized Hierarchical Infrastructures(electronics-1654638)			
	29	Development of reactive power allocation method for radial structure wind farm considering multiple connections(electronics-1805701)			
	30	Majority Approximators for Low-Latency Data Bus Inversion (electronics-1974093)			
9		Sustainable Energy Technologies and Assessments (SETA) https://www.sciencedirect.com/journal/sustainable-energy-technologies-and-assessments	ISI	3	30
	31	Effect of the Meta Parameters on a Model Predictive Algorithm for Renewable Micro-Grid Optimal Control(SETA-D-22-01353_R1)			
	32	Effect of the Meta Parameters on a Model Predictive Algorithm for Renewable Micro-Grid Optimal Control(SETA-D-22-01353_R2)			
	33	K-Means Clustering Technique Applied To Availability Of Micro Hydro Power(SETA-D-13-00199)			
10		55 Universities Power Engineering Conference UPEC 2020 http://upec2020.polito.it/	BDI	4	24
	34	Viability Assessment of PV Systems in University Campuses Under the Net-Metering Policy(1010)			
	35	Distributed Voltage Optimization based on the Auxiliary Problem Principle in Active Distribution Systems(1095)			
	36	eeRIS-NILM: An open source, unsupervised baseline for real-time feedback through NILM(1101)			
	37	Improving Accuracy of Solar Cells Analytical Parameters Extraction by Minimum Root Mean Square Error(1135)			
11		IEEE PES Innovative Smart Grid Technologies Europe 2017 (ISGT Europe 2017) https://site.ieee.org/isgt-europe-2017/	ISI	6	60
	38	Locating High-Impedance Fault in a Smart Distribution System Using Wavelet Entropy and Hybrid Self-Organizing Mapping Network(1049)			
	39	Risk-Averse Joint Capacity Evaluation of PV Generation and Electric Vehicle Charging Stations in Distribution Networks(1126)			
	40	Linear Power-Flow Models in Multiphase Distribution Networks(1184)			
	41	Fuzzy Logic Control of Energy Storage System for Microgrid Operating Based on Energy Market Price(1189)			
	42	A Comprehensive Solar PV Hosting Capacity in MV and LV Radial Distribution Networks(1193)			
	43	A Load Management Algorithm for PCC Interface Breaker(1294)			
12		Algorithms https://www.mdpi.com/journal/algorithms	ISI	1	10
	44	A Dynamic Distributed Deterministic Load-Balancer for Decentralized Hierarchical Infrastructures (algorithms-1525560)			
13		International Conference on Energy and Power Engineering http://www.4th-epe.org	BDI	8	48
	45	Effect of unbalanced force loading on the safety of transmission tower(EP6306)			
	46	Foreign Body Detection and Analysis In Gas Insulated Switchgear Based on Vibration Signal(EP6313)			
	47	Water balance test, analysis and application of the wet cooling tower (EP6320)			
	48	Research on Wind Power Prediction Algorithm based on Fusion Model (EP6321)			
	49	Impulse Response Function Analysis of Shandong Residential Electricity Demand Based on the VAR Model(EPE344)			
	50	A novel method for power quality disturbance detection based on LSTM network model residuals(EPE345)			
	51	A Fast-Dynamic Response Control Strategy for Power Supply Unit of SAR Satellites(EPE349)			

	52	The Development and Tendency of Current Off-Shore Wind Power Plant All over the World(EPE361)			
14		Thermal Science Journal https://thermalscience.vinca.rs/	BDI	1	6
	53	Geographic And Technical Floating Photovoltaic Potential (ThSci2018.S05)			
15		2021 International Conference on Mathematics, Electrical and Mechanical Engineering (ICMEME2021) http://www.icmeme2021.org	BDI	2	12
	54	Research on microgrid connected and islanded switching control based on switched system(E6507)			
	55	Realization of Parameterized Serialization Design of Flanges in Chemical Equipment(E6510)			
16		SIELMEN http://www.sielmen.tuiasi.ro/2021/	BDI	6	36
	56	Optimal capacity and feasibility of energy storage systems for power plants using variable renewable energy sources			
	57	A Deeper Analysis about the Impact of Prosumers on Power Losses in Low Voltage Microgrids			
	58	Theories about Mechanical Calculus in the Context of Coexistence between Overhead Power Lines and Buildings from Outskirts of Cities			
	59	Review of recent advances in the smart grid technology, application and mitigating blackout			
	60	Performance analysis of grid-connected rooftop solar photovoltaic systems using different photovoltaic technologies: a case study in Romania			
	61	Simulation of a High Power Photovoltaic Park in Matlab-Simulink			
17		International Conference and Exposition on Electrical and Power Engineering http://www.epe.tuiasi.ro	BDI	10	60
	62	A hybrid GA-PSO Algorithm for Static VAR Compensation(1157-3934-1)			
	63	AGC of practical power system using backtracking search optimization algorithm(1229-3152-1)			
	64	Power Quality System Analysis on Embarked Systems(1283-3143-1)			
	65	Paper 4. Reactive Power Compensation in Distribution Networks using Bat Algorithm(1319-4042-1)			
	66	Paper 5. Phase Swapping of Lateral Branches from Low-Voltage Distribution Networks for Load Balancing(1325-3761-1)			
	67	Paper 6. The Impact of Harmonic Current Flow on Additional Power Losses in Low Voltage Distribution Networks(1337-4120-1)			
	68	Paper 7. A Fuzzy Hybrid Approach for Reliability Optimization Problem in Power Distribution Systems(1415-2894)			
	69	Paper 8. Voltage Stability Assessment for Wind Farms Integration into Electricity Grids with and Without Consideration of Voltage Dependent Loads(1831-4306-1)			
	70	Aspects Regarding the Monitoring Possibilities and Steady-State Analysis of Electric Energy Repartition Networks(633-1475-1)			
	71	Wind Farm Cable Route Optimization Using a Simple Approach(634-1477-1)			
18		International Conference on Optimization of Electrical and Electronic Equipment(OPTIM) http://www.info-optim.ro/index.php	BDI	1	6
	72	Control topology for high efficiency small scale wind energy conversion systems(2287-000027)			
19		Applied Sciences https://www.mdpi.com/journal/applsci	ISI	2	20
	73	A Configurable Dependency Model of a SCADA System for Goal-Oriented Risk Assessment(applsci-1678994)			
	74	Design of platforms for experimentation in industrial cybersecurity(applsci-1761629)			
20		Int. Conf. on Advanced Energy, Power and Electrical Eng. (AEPEE) http://www.aepee2022.org/	BDI	3	18
	75	Cause analysis and simulation verification of a 220kV GIS basin insulator along surface discharge(E8201)			
	76	Research on Multi-condition Topology Optimization Design of Stainless Steel Spot Welding vehicle Considering Weight Coefficient(E8205)			

	77	Mailbox Attack Detection in Encrypted Network Traffic Based on Abnormal Behavior Analysis Technology(E8207)			
21		ECAI 2016 - International Conference – 8th Edition Electronics, Computers and Artificial Intelligence http://www.ecai2016.org/	BDI	1	6
	78	Energy Efficiency Aspects of Urban Waste Recovery(Paper_22)			
22		International Conference on Energy Engineering and Environmental Protection http://www.iceeep.org/	BDI	3	18
	79	Oil Price and Firm Level Equity Return: A Panel Approach (KP0355)			
	80	Geographical Distribution of Congenital Haemophilia in China: 2005-2014(KP0410)			
	81	Experimental study on microwave pyrolysis characteristics of microalgae Chlorella vulgaris instructions(HP0418)			
23		International Conference on New Energy and Future Energy Systems (NEFES) https://www.intergridconf.org/	BDI	5	30
	82	Research on Mesh Planning for High Reliability Power Supply Demand Area of Urban Distribution Network (FES-2359)			
	83	An Improved Optimal Control Strategy for Hybrid AC/DC Power System			
	84	Temperature Rise Characteristics of Vertical Grounding Electrodes of Ultra-High Voltage DC \pm 800 kV Pu'er Converter Station			
	85	Research on starting control strategy of hybrid-DC transmission system based on line polarity switching			
	86	Automatic Recognition Method of Broken Transmission Line Defect Image Based on Deep Transfer Learning(FES-2686)			
24		International Conference on New Energy, Power and Environmental Engineering (NEPEE) http://www.nepee2020.org/	BDI	2	12
	87	A Parallel Optimized Load Forecasting Method Based on Quasi-Recurrent Neural Network(E5710)			
	88	Research on Distribution Network Planning Strategy Considering New Energy and Volatile Multiple Loads(E5713)			
25		International Journal of Systems Science and Applied Mathematics (IJSSAM) https://www.sciencepublishinggroup.com/journal/index?journalid=245	BDI	2	12
	89	Evaluation of Some Outlier Detection Methods based on Real Life Data Application (IJSSAM_2451010_20170506)			
	90	Numerical simulation of scour depth in open channels of tideland dike(IJSSAM_2451010_20187513)			
26		Journal of Pharmaceutical Research International https://journaljpri.com/index.php/JPRI	BDI	1	6
	91	Classification of Control and Neurodegenerative Disease Subjects Using Tree Based Classifiers(JPRI_58718)			
27		International Transactions on Electrical Energy Systems https://www.hindawi.com/journals/itees/	BDI	1	6
	92	A Solution to Multi-objective Optimal Accommodation of Distributed Generation Problem of Power Distribution Networks: An Analytical approach (ITEES-18-1091)			
28		Environmental Impact Assessment Review https://www.editorialmanager.com/eir/default1.aspx	ISI	4	40
	93	Responses of climate regulation service for landscape dynamics in Kaffa Biosphere Reserve, southwest Ethiopia(EIR-D-21-00927)			
	94	Responses of climate regulation service for landscape dynamics in Kaffa Biosphere Reserve, southwest Ethiopia(EIR-D-21-00927R1)			
	95	Practitioners' pursuit of change: A theoretical framework(EIR-D-22-00624)			
	96	Practitioners' pursuit of change: A theoretical framework(EIR-D-22-00624R1)			

29		Electric Power Systems Research https://www.sciencedirect.com/journal/electric-power-systems-research	ISI	4	40
	97	Estimation of Non-Technical Loss Rates by Regions(EPSR-D-22-01511)			
	98	Power quality disturbance classification based on ordered fuzzy decision tree (EPSR-D-22-02421)			
	99	OntoFreya: A Power distribution ontology for electric metrics classification (EPSR-D-22-02103)			
	100	Fast Fourier Transform assisted Machine Learning Approach for Fault Prognosis in Intelligent Active Distribution Network(EPSR-D-22-02476)			
30		Current Journal of Applied Science and Technology https://journalcjest.com/index.php/CJAST	BDI	1	6
	101	Analysis and Design of an Industrial Tower (Ms_CJAST_87628)			
31		International Conference on Energy, Power and Environmental System Engineering (ICEPESE) http://www.3rd-icepese.com/	BDI	3	18
	102	Investigation on vegetation restoration in rare earth tailings in Northeast Guangdong(E6302)			
	103	Influence of space electromagnetic radiation on physical characteristics of atmospheric suspended micro particles(E6308)			
	104	Structural calculation analysis and comparative study of 80m through tied-arch bridge(E6309)			
32		BULETINUL INSTITUTULUI POLITEHNIC DIN IAȘI , http://www.bulipi-eee.tuiasi.ro/	BDI	1	6
	105	Environmental Performance Evaluation For A Small Scale Trigeneration System			
33		International Conference on Energy Development and Environmental Protection(EDEP) http://www.edep2022.com/?op=instructions	BDI	6	36
	106	Research on PM2.5 Emission Reduction Path of Chinese Electric Power Industry Based on DEA Model(EP0511)			
	107	Influence of distributed generation on relay protection in distribution network and protection scheme			
	108	Wind Power Forecasting Algorithm Based on Similarity of Multivariate Time Series			
	109	A Novel Online SOC Estimation Method for the Power Lithium Battery Pack Based on the Unscented Kalman Filter			
	110	Summarization of construction planning method for electric vehicle charging station			
	111	Evaluation of a High Efficiency Unipolar Charger for Aerosol particles			
34		Energy and Power Engineering , https://waset.org/committees/energy-and-power-engineering	BDI	2	12
	112	Optimization and Energy Management of Hybrid Standalone Energy System			
	113	Strategy for Clean Renewable Energy Resources Micro-Grid Operations			
35		Heliyon , https://reviewerhub.elsevier.com/reviewer/reviews/history/HLY	ISI	3	30
	114	Enhancing MODBUS-RTU Communications for Smart Metering in Building Energy Management Systems(HELIYON_2018_4801)			
	115	Optimal Routing an Ungrounded Electrical Distribution System based on Heuristic Method with Micro Grids Integration (HELIYON_2018_4331)			
	116	Optimal Reactive Power Compensation in Electrical Distribution Systems with Distributed Resources. Review.(HELIYON_2018_3275)			
			TOTAL		908

3.6. Premii

Nr crt.	Premiul	Sucategoria	Punctaj
1	Premiu CNCSIS prin Programul de finanțare > Planul Național PN II (2007 - 2013) > RESURSE UMANE > Premierea rezultatelor cercetării, în 2012 pentru lucrarea <i>Two-stage distributed generation optimal sizing with clustering-based node selection</i> , publicată în jurnalul internațional indexat ISI International Journal of Electrical Power and Energy Systems. http://www.cnscs-nrc.ro/wp-content/uploads/2012/12/rezultate-10-DECEMBRIE.pdf	CNCSIS	15
2	Premiu CNCSIS prin Programul de finanțare > Planul Național PN II (2007 - 2013) > RESURSE UMANE > Premierea rezultatelor cercetării, în 2015 pentru lucrarea <i>An assessment of the renewable energy potential using a clusteringbased data mining method. Case study in Romania</i> publicată în jurnalul internațional indexat ISI ENERGY, http://old.uefiscdi.ro/userfiles/file/PREMIERE_ARTICOLE/ARTICOLE%202015/REZULTATE/Rezultate_lista_4_30_11_2015.pdf	CNCSIS	15
3	Premiu UEFISCDI prin programul Planul National de Cercetare, Dezvoltare si Inovare pentru perioada 2015-2020, PNCDI III, Programul Dezvoltarea sistemului national de cercetare-dezvoltare, Subprogramul 1.1. – Resurse Umane, Premierea rezultatelor cercetarii – articole, in anul 2021 pentru lucrarea <i>Bi-Level Phase Load Balancing Methodology with Clustering-Based Consumers' Selection Criterion for Switching Device Placement in Low Voltage Distribution Networks</i> , publicata in jurnalul MATHEMATICS https://uefiscdi.gov.ro/resource-868119-precisi2021_lista-2_rezultate-eligibilitate-art2021_18.11.2021.pdf?&wtok=&wtkps=XY5BDolwEEExv0rVip7VQho0nMCaeoLallQqGATQx3N1CXKir+fP/vMk3mOG LUCIj71hBqKKE9JqrkYdKp9aFram4VoMg0zy7dCuol2XC6bKmOh/OZg3Q2nvdzDAg8/MUyBR8xK5nhYnJa4lv30u89aiB58U0LR2so9IKoxMPMmTO3ZvDcSMzLrTQXOnlaUQFgJIAEuTqNwS1UPs/Bvg386n2KGcho7q1bghl0nZVMpRnT9b5ZPTIlzFd720bWDG9AQ==&wchk=8f22e7c21b143e179d62e982fc5e2be24e829f3b	UEFISCDI	15
			45

3.7.4. Membru în academii, organizații

Nr crt.	Subcategorii (National / International)	Asociații profesionale	Punctaj
1	International	International Association of Engineers (IAENG) Member Number: 181900	5
2	International	World Academy of Science, Engineering and Technology (WASET)	5
			10

Data: 09.01.2023

Sef lucr.dr.ing. Florina Scarlatache