

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

Concurs pentru ocuparea postului de Conferențiar universitar, poz. 9

Disciplinele postului: Transportul și distribuția energiei electrice II  
Transportul și distribuția energiei electrice

## FIȘA DE VERIFICARE

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

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**Cadru didactic:** Bogdan-Constantin Neagu / **Data nașterii:** 04.07.1984 / **Funcția actuală** Șef de lucrări.

**Data numirii în funcția actuală:** 1.10.2014 (Decizia TUIASI nr. 1600/01.10.2014) **Instituția:** Universitatea Tehnică "Gheorghe Asachi din Iași

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

<i>Conditii minime</i>			
Nr crt.	Domeniul de activitate	Conditii Conferențiar	Punctaj obtinut
1	Activitate didactica/profesionala (A1)	60	677.66
2	Activitate de cercetare (A2)	180	1372.36
3	Recunoasterea si impactul activitatii (A3)	60	3936.99
<b>TOTAL (puncte)</b>		<b>300</b>	<b>5987.01</b>

**Data:**  
07.01.2022

**Candidat,**  
Șef lucr. dr. ing. Bogdan-Constantin Neagu

**Tabelul 2. Structura activitatii si punctajele realizate**

Nr. crt.	Domeniul activităților	Tipul activităților	Categorii și restricții	Subcategorii	Indicatori (k <sub>pi</sub> )	Realizari	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)	3 carti 7 capitole (4 p.a.)	167.83
				1.1.1.2 naționale	nr. pagini/(5*nr. autori)	6 cărți	264.12
			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)	2 manuale (2 p.a.) 5 suporturi de curs	166
			1.2.2 Îndrumare de laborator /aplicații; minim 1		nr. pagini/(20*nr. autori)	4 (4 p.a.)	49.7
		1.3 Coordonare de programe de studii, organizare și coordonare programe de formare continuă și proiecte educaționale	Punctaj unic pentru fiecare activitate			3 programe de studiu	30
		<b>TOTAL</b>					<b>677.65</b>
2	Activitatea de cercetare (A2)	2.1 Articole în extenso în reviste cotate WOS Thomson-Reuters, în volume proceedings indexate WOS Thomson-Reuters <sup>1)</sup> și brevete indexate WOS Derwent	Minim 7 articole, din care minim 2 în reviste		(25+20*factor impact)/nr. de autori	69 (din care 14 în reviste)	707,151
		2.2 Articole în reviste și volumele unor manifestări științifice indexate în alte baze de date internaționale	Minim 15 articole		20/nr. de autori	65 (din care 41 în reviste)	521,21
		2.3 Brevete de invenție indexate în alte baze de date		2.3.1 internaționale	25/nr. de autori		0
				2.3.2 naționale	15/nr. de autori		0
		2.4 Granturi/proiecte câștigate prin competiție	2.4.1 Director/ responsabil - Minim 1	2.4.1.1 internaționale	20*ani de desfășurare		122
				2.4.1.2 naționale	10*ani de desfășurare	2 (director /responsabil)	
			2.4.2 membru în echipa	2.4.2.1 internaționale	4*ani de desfășurare	7	
				2.4.2.2 naționale	2*ani de desfășurare	9	

		2.5 Contracte de cercetare/consultanță (valoare echivalentă de minim 2 000 Euro)	2.5.1 Responsabil		5*ani de desfășurare		22
			2.5.2 Membru echipa		2*ani de desfășurare	7	
		<b>TOTAL</b>					<b>1372.36</b>
3	Recunoașterea și impactul activității (A3)	3.1 Citări în reviste WOS și volumele conferințelor WOS		3.1.2 WOS (minim 4 citări)	5/nr. autori ai art. citat	117 citari	207.9
		3.2. Citări în reviste și volumele conferințelor BDI		3.2.2 BDI (Minimum 8 citări)	3/nr. autori ai art. citat	49 citari	48.09
		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		0
				3.3.2 naționale	5		0
		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 (punctajul se acorda pentru fiecare, revistă, manifestare științifică și recenzie)		3.4.1 ISI	10		3502
				3.4.2 BDI	6		
				3.4.3 naționale și internaționale neindexate	3		
		3.5 Referent în comisii de doctorat		3.5.1 internaționale	10		0
				3.5.2 naționale	5		0
		3.6 Premii		Academia Romana	30		0
				ASAS, AOSR, academii de ramura și CNCS	15	4	90
				premii internaționale	10		0
				premii naționale în domeniu	5		0
		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		0
			3.7.2 ASAS, AOSR și academii de ramură		30		0
			3.7.3 Conducere asociații profesionale	internaționale	30		0
				naționale	10		0
			3.7.4 Asociații profesionale	internaționale	5	5	25
				naționale	2	2	4
			3.7.5 Consilii și organizații în domeniul educației și cercetării	Conducere	15		0
				Membru	10		0
		<b>TOTAL</b>					<b>3936.99</b>

Sef lucr. dr. ing. Bogdan-Constantin Neagu

## ACTIVITATE DIDACTICA/PROFESIONALA (A1)

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

Nr crt	Subcategorii (National / International)	Rezultate (punctaje)	Carti de specialitate/Capitole de carti (titlul, autorii, nr. pagini, Editura, ISBN)	Nr pagini
0	1	2	3	4
1.	International	6.75	Gheorghe Grigoraș, <b>Bogdan-Constantin Neagu</b> , <i>Regression Analysis-Based Load Modelling for Electric Distribution Networks</i> , Capitol in cartea <i>Numerical Methods for Energy Applications</i> , Editori: Naser Mahdavi Tabatabaei, Nicu Bizon, Springer International Publishing, Switzerland, Capitolul 28, 2021, ISBN: 978-3-030-62190-2	27
2.	International	4.33	Eduard Lunca, <b>Bogdan-Constantin Neagu</b> , Silviu Vornicu, <i>Finite Element Analysis of Electromagnetic Fields Emitted by Overhead High-Voltage Power Lines</i> , In <i>Numerical Methods for Energy Applications</i> , Editori: Naser Mahdavi Tabatabaei, Nicu Bizon, Springer International Publishing, Switzerland, Capitolul 29, 2021, ISBN: 978-3-030-62190-2	26
3.	International	10	<b>Bogdan-Constantin Neagu</b> , Gheorghe Grigoraș, <i>Decision-Making Strategies with Clustering Based Unsupervised Learning for Smart Grids Planning</i> , Capitol in cartea <i>An Introduction to Approaches and Modern Applications with Ensemble Learning</i> , Editor: Yi-Tung Chan, Nova Science Publishers, USA, 2020, ISBN: 978-1-53618-680-2	40
4.	International	5	<b>Bogdan-Constantin Neagu</b> , Mihai Gavrilas, <i>Optimal Placement of Energy Storage Systems in Prosumer Microgrids</i> , Capitolul 7 in cartea <i>Advances in Engineering Research</i> , Editor Victoria M. Petrova, Nova Science Publishers, USA, 2020, pp. 253 – 273, ISBN: 978-1-53618-508-9	20
5.	International	7	Gheorghe Grigoraș, Ovidiu Ivanov, <b>Bogdan-Constantin Neagu</b> , Pragma Kar, <i>Smart Metering Based Strategies for Improving Energy Efficiency in Microgrid</i> , Capitol in cartea <i>Microgrid Architectures, Control and Protection Methods</i> , Editori: Naser Mahdavi Tabatabaei, Ersan Kabalci, Nicu Bizon, Springer International Publishing, Switzerland, pp. 463 – 490, 2020, ISBN: 978-3-030-23722-6.	28
6.	International	35	Mihai Gavrilas, <b>Bogdan-Constantin Neagu</b> , <i>Enhanced metaheuristic search algorithms. Applications in the management of electricity distribution systems</i> , LAP Lambert Academic Publishing, ISBN 978-620-2-51263-3, Riga, Latvia, 2020.	140
7.	International	38	Gheorghe Grigoraș, <b>Bogdan-Constantin Neagu</b> , Ovidiu Ivanov, Mihai Gavrilas, Florina Scarlatache, <i>Smart Meter Data-based Strategies in the Optimal Operation of Electric Distribution Systems</i> , Lambert Academic Publishing, Riga, Lituania, 264 pg. ( <b>76 pg. Neagu</b> ), 2019, 978-620-0-50306-0	264 pag./ 76 pag. Neagu
8.	International	4	<b>Bogdan-Constantin Neagu</b> , Gheorghe Grigoraș, Ovidiu Ivanov, <i>The Optimal Operation of Active Distribution Networks based on Smart Metering</i> , Capitol in cartea <i>Advanced Communication and Control Methods for Future Smartgrid</i> , Editor: Taha Selim Ustun, IntechOpen, Londra, UK, 2019, ISBN: 978-1-78984-105-3	24
9.	International	13.75	<b>Bogdan-Constantin Neagu</b> , Gheorghe Grigoraș, <i>The Assessment of Power Quality in Electric Distribution Systems from Romania</i> , capitol in cartea <i>Advances in Energy Research</i> , Editor Morena J. Acosta, Nova Science Publishers, USA, pp. 157 – 211, 55 pg., 2017, ISBN: 978-1-53612-699-0.	55
10.	International	44	Gheorghe Grigoraș, Florina Scarlatache, <b>Bogdan-Constantin Neagu</b> , <i>Clustering in Power Systems. Applications</i> , Lambert Academic Publishing, Germania, 2016, ISBN: 978-3-330-01545-6.	264
	<b>TOTAL</b>	<b>167.83</b>		

11.	National	6.86	Ivas Dumitru, <b>Bogdan-Constantin Neagu</b> , Atudori Monica, <i>100 de ani de învățământ electrotehnic la Iași</i> , capitol în cartea Formarea specialiștilor sistemului energiei electrice și termice din România, coord. Zonel Vasiliu, Editura AGIR, București, România, 2017, ISBN 978-973-720-680-0, (103 pag. Neagu B.C.).	103
12.	National	59.6	Gheorghe Georgescu, <b>Bogdan-Constantin Neagu</b> , <i>Analiza regimurilor permanente de funcționare ale rețelelor electrice din sistemul electroenergetic</i> , Vol. 2, Ed. PIM, Iași, 2014, (596 pag), ISBN 978-606-13-2128-5.	596
13.	National	56.8	Gheorghe Georgescu, <b>Bogdan-Constantin Neagu</b> , <i>Analiza regimurilor permanente de funcționare ale rețelelor electrice din sistemul electroenergetic</i> , Vol. 1, Ed. PIM, Iași, 2014, (568 pag), ISBN 978-606-13-2127-8.	568
14.	National	56.6	Gheorghe Georgescu, <b>Bogdan-Constantin Neagu</b> , <i>Proiectarea și exploatarea asistată de calculator a sistemelor publice de repartiție și distribuție a energiei electrice</i> , Vol. 2, Editura Pim, Iași, 2012, (566 pag.), ISBN 978-606-13-088-6-6.	566
15.	National	39.06	Gheorghe Georgescu, <b>Bogdan-Constantin Neagu</b> , Romeo Ciobanu, <i>Proiectarea și exploatarea asistată de calculator a sistemelor publice de repartiție și distribuție a energiei electrice</i> , Vol. 1, partea a-II-a, Ed. Pim, Iași, 2011, (586 pag), ISBN 978-606-13-0148-5.	586
16.	National	45.2	Gheorghe Georgescu, <b>Bogdan-Constantin Neagu</b> , <i>Proiectarea și exploatarea asistată de calculator a sistemelor publice de repartiție și distribuție a energiei electrice</i> , Vol. 1, partea I-a, Ed. Fundației Academice AXIS, Iași, 2010, (452 pag), ISBN 978-973-7742-87-2.	452
	<b>TOTAL</b>	<b>264,12</b>		

#### 1.2.1. Manuale/ Suport de curs

Nr crt	Rezultate (punctaje)	Titlul Manualului (titlul, autorii, nr. pagini, website)	Nr pagini
0	1	2	3
1	14.5	<b>Bogdan-Constantin Neagu</b> , Gheorghe Georgescu, <i>Strategia planificării sistemelor de distribuție</i> , vol. 1, Editura PIM, Iași, România, 2017, ISBN 978-606-13-3994-5 (290 pag. Neagu B.C.).	290
2	26.4	<b>Bogdan-Constantin Neagu</b> , <i>Strategia planificării sistemelor de distribuție</i> , vol. 2, Editura PIM, Iași, România, 2018, ISBN 978-606-13-4696-7	264
3	28.4	<b>Bogdan-Constantin Neagu</b> , Transportul și Distribuția Energiei Electrice, Suport de curs (prezentari PowerPoint), 284 pag. <a href="http://www.bogdan-neagu.ieceia.tuiasi.ro/didactic/tdee">www.bogdan-neagu.ieceia.tuiasi.ro/didactic/tdee</a>	284
	42	<b>Bogdan-Constantin Neagu</b> , <i>Management energetic Gestiunea Energiei</i> , 420 pag, ( <a href="http://www.efen.ieceia.tuiasi.ro/curs_manager">http://www.efen.ieceia.tuiasi.ro/curs_manager</a> ):	420
5	36.4	<b>Bogdan-Constantin Neagu</b> , <i>Management energetic Audit Termoenergetic</i> , 364 pag, ( <a href="http://www.efen.ieceia.tuiasi.ro/curs_manager">http://www.efen.ieceia.tuiasi.ro/curs_manager</a> ):	364
6	38.3	<b>Bogdan-Constantin Neagu</b> , <i>Management energetic Audit Electroenergetic</i> , 383 pag, ( <a href="http://www.efen.ieceia.tuiasi.ro/curs_manager">http://www.efen.ieceia.tuiasi.ro/curs_manager</a> ):	383
	<b>166</b>		

### 1.2.2. Indrumare de laborator/aplicatii

Nr crt	Rezultate (punctaje)	Titlul Manualului (titlul, autorii, nr. pagini, website)	Nr pagini
0	1	2	3
1	6.4	<b>Bogdan-Constantin Neagu</b> , <i>Transportul și distribuția energiei electrice II. Lucrări de laborator bazate pe simulări software</i> , Editura PIM, Iași, Romania, 2021, ISBN 978-606-13-5340-8.	128
	14.3	<b>Bogdan-Constantin Neagu</b> , <i>Transportul și distribuția energiei electrice, Elemente constructive ale rețelelor electrice</i> , Editura PIM, Iași, Romania, 2020, ISBN 978-606-13-5340-8.	286
2	17.3	<b>Bogdan-Constantin Neagu</b> , <i>Transportul și distribuția energiei electrice. Lucrări practice de laborator</i> , Publicare online, Iași, 2018, <a href="http://iota.ee.tuiasi.ro/~bogdan.neagu/laboratoare.html">http://iota.ee.tuiasi.ro/~bogdan.neagu/laboratoare.html</a> (346 pag).	346
3	11.7	<b>Bogdan-Constantin Neagu</b> , <i>Transportul și distribuția energiei electrice. Analiza asistata de calculator</i> , Publicare online, Iași, 2018, <a href="http://iota.ee.tuiasi.ro/~bogdan.neagu/soft.html">http://iota.ee.tuiasi.ro/~bogdan.neagu/soft.html</a> (234 pag).	234
	<b>49.7</b>	OK	

### 1.3. Coordonare programe de studii

Nr crt	Rezultate (punctaje)	Programe
0	1	2
1	10	Coordonator Progam de formare continuă Auditor Electroenergetic, 2018/2019, 2019/2020, 2020/2021, 2021/2022
2	10	Coordonator Progam de formare continuă Auditor Termoenergetic, 2018/2019, 2019/2020, 2020/2021
3	10	Coordonator Progam de formare continuă Gestiunea Energiei, 2018/2019, 2019/2020, 2020/2021
	<b>30</b>	OK

## 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.	14.032	Ovidiu Ivanov; <b>Bogdan-Constantin Neagu</b> ; Gheorghe Grigoras; Scarlatache, Florina; Gavrilas, Mihai, A Metaheuristic Algorithm for Flexible Energy Storage Management in Residential Electricity Distribution Grids. Mathematics 2021, 9, 2375. WOS:000628360103201	2.258
2.	14.032	Gherghe Grigoras, <b>Bogdan-Constantin Neagu</b> , Florina Scarlatache, Livia Noroc, Ecaterina Chelaru, Bi-Level Phase Load Balancing Methodology with Clustering-Based Consumers' Selection Criterion for Switching Device Placement in Low Voltage Distribution Networks, Mathematics, vol. 9, nr. 5, 542, 2021, Accession Number: WOS:000628360100001	2.258
3.	10.02	Gheorghe Grigoras, Livia Noroc, Ecaterina Chelaru, Florina Scarlatache, <b>Bogdan-Constantin Neagu</b> , Ovidiu Ivanov, Mihai Gavrilaș, Coordinated Control of Single-Phase End-Users for Phase Load Balancing in Active Electric Distribution Networks, Mathematics, vol. 9, nr. 21, 2662, 2021, Accession Number: WOS:000719474900001 (Q1)	2.258
4.	15.39	Alexandru Kriukov, Mihai Gavrilaș, Ovidiu Ivanov, Gherghe Grigoras, <b>Bogdan-Constantin Neagu</b> , Florina Scarlatache, Novel Decentralized Voltage-Centered EV Charging Control Algorithm Using DSRC System in Low Voltage Distribution Networks, IEEE Access (Early Access), Decembrie 2021, doi: 10.1109/ACCESS.2021.3132419 (Q2)	3.367
5.	18.235	Ovidiu Ivanov, <b>Bogdan-Constantin Neagu</b> , Mihai Gavrilas, Gheorghe Grigoras, A Phase Generation Shifting Algorithm for Prosumer Surplus Management in Microgrids using Inverter Automated Control, Electronics, vol. 10, nr. 22, 2740, 2021, WOS:000727513800001 (Q3)	2.397
6.	39.290	Gheorghe Grigoras, <b>Bogdan-Constantin Neagu</b> , An Advanced Decision Support Platform in Energy Management to Increase Energy Efficiency for Small and Medium Enterprises, Applied Sciences, 2020, 10, 3505. Accession Number: WOS:000541440000166	2.679
7.	14.032	Gheorghe Grigoras, <b>Bogdan-Constantin Neagu</b> , Mihai Gavrilas, Ion Triștiu, Constantin Bulac, Optimal Phase Load Balancing in Low Voltage Distribution Networks using a Smart Meter Data-based Algorithm, Mathematics, 2020, 8, 549. Accession Number: WOS:000531824100089	2.258
8.	14.588	Florina Scarlatache, Gheorghe Grigoras, Vlad-Andrei Scarlatache, <b>Bogdan-Constantin Neagu</b> , Ovidiu Ivanov, A Hybrid Methodology Based on Smart Management Energy Consumption in Irrigation Systems, Electronics, vol. 10, nr. 22, 2864, 2021, WOS:000727225500001 (Q3)	2.397
9.	18.004	<b>Bogdan-Constantin Neagu</b> , Ovidiu Ivanov, Gheorghe Grigoras, Mihai Gavrilas, Marcel Istrate, New Market Model with Social and Commercial Tiers for Improved Prosumer Trading in Microgrids. Sustainability 2020, 12, 7265, WOS:000584284700001.	3.251
10.	17.540	<b>Bogdan-Constantin Neagu</b> , Ovidiu Ivanov, Gheorghe Grigoras, Mihai Gavrilas, A New Vision on the Prosumers Energy Surplus Trading Considering Smart Peer-to-Peer Contracts. Mathematics, 2020, 8, 235. Accession Number: WOS:000519234000090	2.258
11.	11.693	Ovidiu Ivanov, Samiran Chattopadhyay, Soumya Banerjee, <b>Bogdan-Constantin Neagu</b> , Gheorghe Grigoras, Mihai Gavrilas, A Novel Algorithm with Multiple Consumer Demand Response Priorities in Residential Unbalanced LV Electricity Distribution Networks, Mathematics, 2020, 8, 1220. Accession Number: WOS:000567310900001	2.258
12.	42.540	Gheorghe Grigoras, <b>Bogdan-Constantin Neagu</b> , Smart Meter Data-Based Three-Stage Algorithm to Calculate Power and Energy Losses in Low Voltage Distribution Networks. Energies 2019, 12, 3008, Accession Number: WOS:000482174800167	3.004
13.	21.270	Ovidiu Ivanov, <b>Bogdan-Constantin Neagu</b> , Gheorghe Grigoras, Mihai Gavrilas, Optimal Capacitor Bank Allocation in Electricity Distribution Networks Using Metaheuristic Algorithms. Energies 2019, 12, 4239, Accession Number: WOS:000504898500017	3.004

14.	3.675	Serițan G.-C., Enache B.-A., Grigorescu S.-D., Pațurcă S. V., Cepișcă C., Vasiliki V., Porumb R., <b>Bogdan-Constantin Neagu</b> , Ghiculescu D., <i>Improvement of Teaching Activities in Higher Education: A Case Study</i> , Revue roumaine des sciences techniques. Série Électrotechnique et Énergétique, Tome 64, Issue 2, pp. 169-172, 2019, Accession Number: WOS:000567310900001	0.404
15.	6.25	Vasilica Dandea, Gheorghe Grigoraș, <b>Bogdan-Constantin Neagu</b> , Florina Scarlatache, K-means Clustering-based Data Mining Methodology to Discover the Prosumers' Energy Features, HE 12th International Symposium on Advanced Topics in Electrical Engineering (ATEE2021), 25-27 Martie, 2021, Bucuresti, Romania, DOI: 10.1109/ATEE52255.2021.9425237. Accession Number: WOS:000676164800102.	0
16.	12.5	<b>Bogdan-Constantin Neagu</b> , Gheorghe Grigoras, A Fair Load Sharing Approach Based on Microgrid Clusters and Transactive Energy Concept, 12th International Conference on Electronics, Computers and Artificial Intelligence (ECAI), 25-27 Iunie, Bucuresti, 2020, Accession Number: WOS:000627393500104	0
17.	8.33	Gheorghe Grigoras, <b>Bogdan-Constantin Neagu</b> , Ovidiu Ivanov, <i>Aggregate Method based on Expert System for Electricity Consumption Forecasting of Small and Medium Enterprises</i> , 2019 11th International Symposium on Advanced Topics in Electrical Engineering (ATEE), Bucureti, Romania, 23 – 28 Mai, 2019, Accession Number: WOS:000475904500123	0
18.	8.33	<b>Bogdan-Constantin Neagu</b> , Gheorghe Grigoras, Ovidiu Ivanov, <i>The Influence of Harmonics on Additional Power Losses at Large Enterprises</i> , 2019 11th International Symposium on Advanced Topics in Electrical Engineering (ATEE), Bucureti, Romania, 23 – 28 Mai, 2019, Accession Number: WOS:000475904500097	0
19.	6.25	Ovidiu Ivanov, <b>Bogdan-Constantin Neagu</b> , Gheorghe Grigoraș, Mihai Gavrilăș, <i>Capacitor Banks Placement Optimization Improvement Using the Sperm Whale Algorithm</i> , 11th International Conference on Electronics, Computers and Artificial Intelligence (ECAI), 27-29 Iunie, 2019, WOS:000569985400130	0
20.	12.50	<b>Bogdan-Constantin Neagu</b> , Gheorghe Grigoraș, <i>Uncertainty-Based Decision Making in the Planning of Electric Transmission Networks</i> , 11th International Conference on Electronics, Computers and Artificial Intelligence (ECAI), 27-29 Iunie, 2019, WOS:000569985400085	0
21.	8.33	<b>Bogdan-Constantin Neagu</b> , Gheorghe Grigoraș, Ovidiu Ivanov, An Efficient Peer-to-Peer Based Blockchain Approach for Prosumers Energy Trading in Microgrids, 8th International Conference on Modern Power Systems (MPS), Cluj-Napoca, Romania, 21-23 Mai, 2019, WOS:000612401900090	0
22.	8.33	Gheorghe Grigoraș, <b>Bogdan-Constantin Neagu</b> , Ovidiu Ivanov, An Efficient Approach for Flattening the Electricity Consumption Profile at Small and Medium Enterprises, 8th International Conference on Modern Power Systems (MPS), Cluj-Napoca, Romania, 21-23 Mai, 2019, WOS:000612401900021	0
23.	12.5	<b>Bogdan-Constantin Neagu</b> , Gheorghe Grigoraș, Decision-Making Approach for Choosing of Electricity Supplier to Improve the Energy Efficiency, 2019 International Conference on ENERGY and ENVIRONMENT (CIEM), Timisoara, Romania, 17-18 Octombrie, 2019, Accession Number: WOS:000630902700072	0
24.	4.16	Gheorghe Grigoraș, Mihai Gavrilăș, <b>Bogdan-Constantin Neagu</b> , Ovidiu Ivanov, Ion Triștiu, Constantin Bulac, An Efficient Method to Optimal Phase Load Balancing in Low Voltage Distribution Network, 2019 International Conference on ENERGY and ENVIRONMENT (CIEM), Timisoara, Romania, 17-18 Octombrie, 2019, Accession Number: WOS:000630902700068	0
25.	6.25	<b>Bogdan-Constantin Neagu</b> , Mihai Gavrilăș, Gheorghe Grigoraș, Ovidiu Ivanov, Voltage Control in Microgrids in the Presence of Small-Scale Renewable Energy Source, 2019 International Conference on Electromechanical and Energy Systems (SIELMEN), Chisinau, Republica Moldova, 9-11 Octombrie, 2019, Accession Number: WOS:000630287500022	0
26.	5	Ovidiu Ivanov, <b>Bogdan-Constantin Neagu</b> , Mihai Gavrilăș, Gheorghe Grigoraș, Calin-Viorel Sfintes, Phase Load Balancing in Low Voltage Distribution Networks Using Metaheuristic Algorithms, International Conference on Electromechanical and Energy Systems (SIELMEN), Chisinau, Republica Moldova, 9-11 Octombrie, 2019, WOS:000630287500107	0

27.	12.5	<b>Bogdan-Constantin Neagu</b> , Gheorghe Grigoraş, Optimal Voltage Control in Power Distribution Networks Using an Adaptive On-Load Tap Changer Transformers Techniques, International Conference on Electromechanical and Energy Systems (SIELMEN), Chisinau, Republica Moldova, 9-11 Octombrie, 2019, Accession Number: WOS:000630287500111	0
28.	6.25	<b>Bogdan-Constantin Neagu</b> , Mihai Gavrilăş, Radu Dumitru Pentiuć, Eugen Hopulele, Optimal Placement of Energy Storage Systems in Microgrids Using a PSO Based Approach, IEEE PES Innovative Smart Grid Technologies Europe (ISGT-Europe), September 29 to October 2, 2019, Bucureşti, Romania, pp. 1-6, WOS: 000550100400114	0
29.	6.25	Eugen Hopulele, Radu Dumitru Pentiuć, Mihai Gavrilăş, <b>Bogdan-Constantin Neagu</b> , Optimizing the Operation of a Trigenation System Designed to Meet Energy Requirements for a Consumer, IEEE PES Innovative Smart Grid Technologies Europe (ISGT-Europe), September 29 to October 2, 2019, Bucureşti, Romania, pp. 1-6, WOS: 000550100400200	0
30.	12.5	Gheorghe Grigoras, <b>Bogdan-Constantin Neagu</b> , <i>Energy Consumption Forecasting to Small and Medium Enterprises Using a Hybrid Method</i> , 2018 International Symposium on Fundamentals of Electrical Engineering (ISFEE), Bucureti, Romania, 1 – 3 Noiembrie, 2018, Accession Number: WOS:000480396400064	0
31.	8.33	<b>Bogdan-Constantin Neagu</b> , Mihai Gavrilăş, Gheorghe Ghiocel Matei, Voltage/VAR Control with Reactive Power Injection in Distribution Networks using a Proper Metaheuristic Approach, 2018 IEEE International Conference on Environment and Electrical Engineering and 2018 IEEE Industrial and Commercial Power Systems Europe (EEEIC / I&CPS Europe), Palermo, Italy, 2018, pp. 1-6, WOS:000450163702009	0
32.	8.33	Gheorghe Ghiocel Matei, <b>Bogdan-Constantin Neagu</b> , Mihai Gavrilăş, Optimal Voltage Control Based on a Modified Line Drop Compensation Method in Distribution Systems, 2018 IEEE International Conference on Environment and Electrical Engineering and 2018 IEEE Industrial and Commercial Power Systems Europe (EEEIC / I&CPS Europe), Palermo, Italy, 2018, pp. 1-6, WOS:000450163701095.	0
33.	8.33	Gheorghe Grigoraş, <b>Bogdan-Constantin Neagu</b> , 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
34.	8.33	Bogdan Constantin Neagu, <b>Gheorghe Grigoras</b> , 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
35.	6.25	Mihai Gavrilăş, <b>Bogdan-Constantin Neagu</b> , Radu Dumitru Pentiuć, Eugen Hopulele, Overview on Distributed Generation Integration in Distribution Systems, 2018 International Conference and Exposition on Electrical and Power Engineering (EPE), Iaşi, Romania, 2018, pp. 1063-1069, WOS:000458752200208.	0
36.	6.25	Nicuşor Toma, Ovidiu Ivanov, <b>Bogdan-Constantin Neagu</b> , Mihai Gavrilăş, A PSO Algorithm for Phase Load Balancing in Low Voltage Distribution Networks, 2018 International Conference and Exposition on Electrical and Power Engineering (EPE), Iaşi, Romania, 2018, pp. 857-862, WOS:000458752200167.	
37.	8.33	Ovidiu Ivanov, Gheorghe Grigoras, <b>Bogdan-Constantin Neagu</b> , <i>Smart Metering based Approaches to Solve the Load Phase Balancing Problem in Low Voltage Distribution Networks</i> , 2018 International Symposium on Fundamentals of Electrical Engineering (ISFEE), Bucureti, Romania, 1 – 3 Noiembrie, 2018, Accession Number: WOS:000480396400007	0
38.	6.25	Florina Scarlatache, Gheorghe Grigoraş, <b>Bogdan-Constantin Neagu</b> , Romeo 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
39.	8.33	Ovidiu Ivanov, <b>Bogdan-Constantin Neagu</b> , Mihai Gavrilăş, "Voltage profile improvement in electricity distribution networks — A genetic algorithm benchmark study," 2017 International Conference on Electromechanical and Power Systems (SIELMEN), Iasi, 2017, pp. 560-564, WOS:000426906000107.	0

40.	8.33	<b>Bogdan-Constantin Neagu</b> , Ovidiu Ivanov, Mihai Gavrilas, A comprehensive solution for optimal capacitor allocation problem in real distribution networks," 2017 International Conference on Electromechanical and Power Systems (SIELMEN), 2017, pp. 565-570, WOS:000426906000108.	0
41.	8.33	Gheorghe Grigoras, Florina Scarlatache, <b>Bogdan-Constantin Neagu</b> , Analysis of energy saving solutions based on replacement of distribution transformers, 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
42.	6.25	Gheorghe Grigoras, Florina Scarlatache, Daniela Comanescu, <b>Bogdan-Constantin Neagu</b> , Expert system for optimal power allocation in hydropower dispatchable units, 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
43.	8.33	<b>Bogdan-Constantin Neagu</b> , Gheorghe Grigoras, Florina Scarlatache, Effects of outliers on calculation of load profile factors, 2017 International Conference on Modern Power Systems (MPS), Cluj-Napoca, Romania, 6 – 9 Iunie, 2017 Accession Number: WOS:000428462600009	0
44.	5	Gheorghe Grigoras, <b>Bogdan-Constantin Neagu</b> , Florina Scarlatache, Cristina Schreiner, Romeo Ciobanu, Identification of pilot nodes for secondary voltage control using K-means clustering algorithm, 2017 IEEE 26th International Symposium on Industrial Electronics (ISIE), Edinburgh, UK, pp. 106 – 110, 2017 Accession Number: WOS:000426794000015	0
45.	5	<b>Bogdan-Constantin Neagu</b> , Gheorghe Grigoras, Florina Scarlatache, Cristina Schreiner, Romeo Ciobanu, Patterns discovery of load curves characteristics using clustering based data mining, 2017 11th IEEE International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG), Cadiz, Spain, pp. 83 – 87, 2017 WOS:000406491800013	0
46.	5	Florina Scarlatache, Gheorghe Grigoras, <b>Bogdan-Constantin Neagu</b> , Cristina Schreiner, Romeo Ciobanu, Influence of hybrid energy systems on micro-grids control, 2017 11th IEEE International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG), Cadiz, Spain, pp. 313 – 317, 2017 WOS:000406491800050	0
47.	8.33	<b>Bogdan-Constantin Neagu</b> , Gheorghe Grigoras, Florina Scarlatache, Outliers discovery from Smart Meters data using a statistical based data mining approach, 2017 10th International Symposium on Advanced Topics in Electrical Engineering (ATEE), București, Romania, pp. 555 -558, 2017, WOS:000403399400108	0
48.	8.33	Gheorghe Grigoras, <b>Bogdan-Constantin Neagu</b> , Florina Scarlatache, Smart metering based approach for phase balancing in low voltage distribution systems, 2017 10th International Symposium on Advanced Topics in Electrical Engineering (ATEE), București, Romania, pp. 551 -554, 2017, WOS:000403399400107	0
49.	8.33	Florina Scarlatache, Gheorghe Grigoras, <b>Bogdan-Constantin Neagu</b> , Clustering Based Data Mining in Wind Power Production, ECAI 2017 - International Conference – 9th Edition Electronics, Computers and Artificial Intelligence, 29 June -01 July, 2017, Targoviste, Romania, Accession Number: WOS:000425865900119.	0
50.	8.33	Ovidiu Ivanov, <b>Bogdan-Constantin Neagu</b> , Mihai Gavrilas, "A parallel PSO approach for optimal capacitor placement in electricity distribution networks," 2017 International Conference on Modern Power Systems (MPS), 2017, pp. 1-5, WOS: 000428462600018	0
51.	8.33	<b>Bogdan-Constantin Neagu</b> , Ovidiu Ivanov, Mihai Gavrilas, "Voltage profile improvement in distribution networks using the whale optimization algorithm," 2017 9th International Conference on Electronics, Computers and Artificial Intelligence (ECAI), Targoviste, 2017, pp. 1-6. WOS:000425865900081	0
52.	8.33	Ovidiu Ivanov, <b>Bogdan-Constantin Neagu</b> , Mihai Gavrilas, "Voltage profile improvement in electricity distribution networks — A genetic algorithm benchmark study," 2017 International Conference on Electromechanical and Power Systems (SIELMEN), Iasi, 2017, pp. 560-564.	0

		WOS:000426906000107	
53.	8.33	<b>Bogdan-Constantin Neagu</b> , Oidiu Ivanov, Mihai Gavrilas, A comprehensive solution for optimal capacitor allocation problem in real distribution networks. In 2017 International Conference on Electromechanical and Power Systems (SIELMEN), pp. 565-570, WOS: 000426906000108	0
54.	8.33	<b>Bogdan-Constantin Neagu</b> , Gheorghe 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
55.	8.33	Florina Scarlatache, Gheorghe Grigoraş, <b>Bogdan-Constantin Neagu</b> , <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
56.	8.33	Gheorghe Grigoraş, <b>Bogdan Constantin Neagu</b> , 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
57.	8.33	<b>Bogdan-Constantin Neagu</b> , Gheorghe 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
58.	8.33	<b>Bogdan-Constantin Neagu</b> , Gheorghe Georgescu, Ovidiu Ivanov, The impact of harmonic current flow on additional power losses in low voltage distribution networks, 2016 International Conference and Exposition on Electrical and Power Engineering (EPE 2016), pp.719-722, Iaşi, România, 20-22 Oct. 2016, WOS:000390706300143	0
59.	8.33	<b>Bogdan-Constantin Neagu</b> , Ovidiu Ivanov, Gheorghe Georgescu, Reactive power compensation in distribution networks using the bat algorithm, 2016 International Conference and Exposition on Electrical and Power Engineering (EPE 2016), pp.711-714, Iasi, 20-22 Oct. 2016, România, WOS:000390706300141	0
60.	12.5	<b>Bogdan-Constantin Neagu</b> , Gheorghe Grigoraş, <i>Assessment of slow voltage variations from the electric distribution systems with fuzzy techniques</i> , 2015 7th International Conference on Electronics, Computers and Artificial Intelligence (ECAI), Bucureşti, Romania, pp. 61 – 66, 2015, WOS:000370971100118	
61.	12.5	<b>Bogdan-Constantin Neagu</b> , Gheorghe Georgescu, Wind Farm Cable Route Optimization Using a Simple Approach, 8th International Conference and Exposition on Electrical and Power Engineering, EPE 2014, p. 1004-1009, Iaşi, România, 16-18 October 2014, WOS: 000353565300183.	0
62.	12.5	<b>Bogdan-Constantin Neagu</b> , Gheorghe Georgescu, Aspects regarding the monitoring possibilities and steady-state analysis of electric energy repartition networks, 8th International Conference and Exposition on Electrical and Power Engineering, EPE 2014, pag. 1000-1003, Iaşi, România, WOS: 000353565300182.	0
63.	5	Alexandru Kriukov, Gheorghe Grigoraş, Mihai Gavrilas, Florina Scarlatache, <b>Bogdan-Constantin Neagu</b> , <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
64.	5	Bogdan Vicol, Mihai Gavrilas, Ovidiu Ivanov, <b>Bogdan-Constantin Neagu</b> , Gheorghe Grigoraş, <i>Synchrophasor measurement method for overhead line parameters estimation in MV distribution networks</i> , 2014 16th International Conference on Harmonics and Quality of Power (ICHQP), Bucureşti, Romania, pp. 862 – 865, 2014, WOS:000343776100177	0
65.	8.33	Ovidiu Ivanov, Mihai Gavrilas, <b>Bogdan-Constantin Neagu</b> , Intelligent Monitoring and Control in Transmission and Distribution Networks, Proc. of 14th International Conference on Optimization of Electrical and Electronic Equipment OPTIM 2014, pag. 185-191, Braşov,	0

		România, 22-24 May 2014, Accession Number: WOS:000343551300027	
66.	8.33	Gheorghe Georgescu, <b>Bogdan-Constantin Neagu</b> , Daniela Astărăstoie, Reactive Power Sources Management in Public Repartition and Distribution Systems with the Purpose of Power Quality Improvement, The 7th International Conference on Electrical and Power Engineering, Iași, pp. 259 - 264, 2012, WOS:000324685300049	0
67.	8.33	Gheorghe Georgescu, <b>Bogdan-Constantin Neagu</b> , Pinteana Anca, Aspects Regarding the Power and Energy Losses Evaluation from Public Electricity Repartition Systems, The 7th International Conference on Electrical and Power Engineering, Iași, pp. 253 - 258, 2012, WOS:000324685300048.	0
68.	12.5	<b>Bogdan-Constantin Neagu</b> , Gheorghe Georgescu, The Optimization of Reactive Power Sources Placement in Public Repartition and Distribution Systems for Power Quality Improvement, 12th International Conference on Optimization of Electrical and Electronic Equipment - OPTIM 2012, Brasov, Romania, p. 200-207, WOS:000398866700030	0
69.	8.33	<b>Bogdan-Constantin Neagu</b> , Gheorghe Georgescu, Astrid Elges, Monitoring System of Electric Energy Consumption to Users, International Conference and Exposition on Electrical and Power Engineering (EPE), pag. 265-270, Iași, România, 25-27 October 2012, Accession Number: WOS:000324685300049.	0
	<b>707,151</b>		

## 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.	5	Gheorghe Grigoras, Vasilica Dandea, <b>Bogdan-Constantin Neagu</b> , 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, Romania. DOI: 10.1109/CIEM52821.2021.9614718 (IEEE Xplore)
2.	5	Constantin Zetu, <b>Bogdan-Constantin Neagu</b> , Gheorghe 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. DOI: 10.1109/CIEM52821.2021.9614825 (IEEE Xplore)
3.	5	Ovidiu Ivanov, <b>Bogdan-Constantin Neagu</b> , Andrei Cibotărică și Mihai Gavrilas, Multiobjective Prosumer Surplus Management for Optimal Microgrid Operation, 2021 10th International Conference on ENERGY and ENVIRONMENT (CIEM), 2021, pp. 1-5, doi: 10.1109/CIEM52821.2021.9614729 (IEEE Xplore).
4.	4	Ecaterina Chelaru, Gheorghe Grigoras, Livia Noroc, <b>Bogdan-Constantin Neagu</b> , and Florina Scarlatache, Influence of the Prosumers on the Replacement Strategies of the Aged Transformers from the Electric Distribution Networks, 13th International Conference on Electromechanical and Energy Systems (SIELMEN), 7 -8 Octombrie, 2021, Chisinau, Rep. Moldova. DOI: 10.1109/SIELMEN53755.2021.9600425 (IEEE Xplore)
5.	4	Mihai-Andrei Luca, <b>Bogdan-Constantin Neagu</b> , Ovidiu Ivanov, Mihai Gavrilas, Gheorghe Grigoras, A Deeper Analysis about the Impact of Prosumers on Power Losses in Low Voltage Microgrids, 13th International Conference on Electromechanical and Energy Systems (SIELMEN), 7 -8 Octombrie, 2021, Chisinau, Rep. Moldova. DOI: 10.1109/SIELMEN53755.2021.9600366 (IEEE Xplore)
6.	5	<b>Bogdan-Constantin Neagu</b> , Constantin Zetu, Gheorghe Grigoras, Ovidiu Ivanov, Theories about Mechanical Calculus in the Context of Coexistence between Overhead Power Lines and Buildings from Outskirts of Cities, 13th International Conference on Electromechanical and Energy Systems (SIELMEN), 7 -8 Octombrie, 2021, Chisinau, Rep. Moldova. DOI: 10.1109/SIELMEN53755.2021.9600329 (IEEE Xplore)
7.	3.33	Mihai Tirsu, Nicolae Covalenco, Dimitrii Zaitsev, Ion Negura, Mihai Gavrilas și <b>Bogdan-Constantin Neagu</b> , "Photovoltaic-Thermal System for

		Trigenerating Electricity, Hot Water and Cold," 2021 International Conference on Electromechanical and Energy Systems (SIELMEN), 2021, pp. 092-096, doi: 10.1109/SIELMEN53755.2021.9600378. (IEEE Xplore).
8.	5	Vasilica Dandea, Gheorghe Grigoras, <b>Bogdan-Constantin Neagu</b> și 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, DOI: 10.1109/ECAI52376.2021.9515042 (IEEE Xplore)
9.	5	Razvan Garbea, Florina Scarlatache, Gheorghe Grigoras, <b>Bogdan-Constantin Neagu</b> , 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, SCOPUS <a href="https://www.scopus.com/record/display.uri?eid=2-s2.0-85115080303&amp;origin=resultslist">https://www.scopus.com/record/display.uri?eid=2-s2.0-85115080303&amp;origin=resultslist</a>
10.	5	Razan Garbea, Florina Scarlatache, Gheorghe Grigoras, <b>Bogdan Constantin Neagu</b> , 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, SCOPUS <a href="https://www.scopus.com/record/display.uri?eid=2-s2.0-85112162843&amp;origin=resultslist">https://www.scopus.com/record/display.uri?eid=2-s2.0-85112162843&amp;origin=resultslist</a>
11.	5	Constantin Zetu, <b>Bogdan Constantin Neagu</b> , Gheorghe Grigoras, Florina Scarlatache, The Risk Analysys 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, DOI: 10.1109/MPS52805.2021.9492592. SCOPUS <a href="https://www.scopus.com/record/display.uri?eid=2-s2.0-85112162843&amp;origin=resultslist">https://www.scopus.com/record/display.uri?eid=2-s2.0-85112162843&amp;origin=resultslist</a>
12.	5	Ovidiu Ivanov, <b>Bogdan Constantin Neagu</b> , Andrei Nițu, Mihai Gavrilăș, "An Improved Metaheuristic Algorithm for Load Balancing in LV Distribution Networks," 2021 9th International Conference on Modern Power Systems (MPS), 2021, pp. 1-5, doi: 10.1109/MPS52805.2021.9492680. SCOPUS <a href="https://www.scopus.com/record/display.uri?eid=2-s2.0-85112178052&amp;origin=resultslist">https://www.scopus.com/record/display.uri?eid=2-s2.0-85112178052&amp;origin=resultslist</a>
13.	5	Vasilica Dandea, Gheorghe Grigoraș, <b>Bogdan-Constantin Neagu</b> , Florina Scarlatache, K-means Clustering-based Data Mining Methodology to Discover the Prosumers' Energy Features, HE 12th International Symposium on Advanced Topics in Electrical Engineering (ATEE2021), 25-27 Martie, 2021, Bucuresti, Romania, DOI: 10.1109/ATEE52255.2021.9425237. SCOPUS <a href="https://www.scopus.com/record/display.uri?eid=2-s2.0-85115116046&amp;origin=resultslist">https://www.scopus.com/record/display.uri?eid=2-s2.0-85115116046&amp;origin=resultslist</a>
14.	5	Vasilica Dandea, Gheorghe Grigoras, <b>Bogdan-Constantin Neagu</b> , Florina Scarlatache, "A Clustering-based Knowledge Extraction Methodology for Prosumers' Classification and Injected Power Profiles Grouping," 2021 13th International Conference on Electronics, Computers and Artificial Intelligence (ECAI), 2021, pp. 1-6, doi: 10.1109/ECAI52376.2021.9515042. SCOPUS <a href="https://www.scopus.com/record/display.uri?eid=2-s2.0-85106698879&amp;origin=resultslist">https://www.scopus.com/record/display.uri?eid=2-s2.0-85106698879&amp;origin=resultslist</a>
15.	10	Gheorghe Grigoraș, <b>Bogdan-Constantin Neagu</b> , Regression Analysis-Based Load Modelling for Electric Distribution Networks, Numerical Methods for Energy Applications, Springer International Publishing, Switzerland, Capitolul 28, 2021, ISBN: 978-3-030-62190-2, SCOPUS, <a href="https://www.scopus.com/record/display.uri?eid=2-s2.0-85103271248&amp;origin=resultslist">https://www.scopus.com/record/display.uri?eid=2-s2.0-85103271248&amp;origin=resultslist</a>
16.	6.66	Eduard Lunca, <b>Bogdan-Constantin Neagu</b> , Silviu Vornicu, Finite Element Analysis of Electromagnetic Fields Emitted by Overhead High-Voltage Power Lines, Numerical Methods for Energy Applications, Springer International Publishing, Switzerland, Capitolul 29, 2021, ISBN: 978-3-030-62190-2, SCOPUS <a href="https://www.scopus.com/record/display.uri?eid=2-s2.0-85103240736&amp;origin=resultslist">https://www.scopus.com/record/display.uri?eid=2-s2.0-85103240736&amp;origin=resultslist</a>
17.	10	<b>Bogdan-Constantin Neagu</b> , Gheorghe Grigoraș, A data-mining-based methodology to identify the behavioural characteristics of prosumers within active distribution networks, International Symposium on Fundamentals of Electrical Engineering (ISFEE), 2020, Bucharest, Romania, November 5–7. DOI 10.1109/ISFEE.2020.8107089 IEEE Explore.
18.	5	<b>Bogdan-Constantin Neagu</b> , Ovidiu Ivanov, Gheorghe Grigoraș, Mihai Gavrilăș, Short-term Load Forecast Approach Based on Artificial Neural Networks, Buletinul Institutului Politehnic din Iasi, Secția: Electrotehnică, Energetică, Electronică, Volumul 65 (69), Fasc. 2, pp. 9-22, 2019, ISSN 1223-8139 (Index Copernicus, getCITED, Ulrich's), cod CNCIS: 87 <a href="http://www.bulipi-eee.tuiasi.ro/archive/2019/fasc.2/p1_f2_2019.pdf">http://www.bulipi-eee.tuiasi.ro/archive/2019/fasc.2/p1_f2_2019.pdf</a> .
19.	6.66	Gheorghe Grigoraș, <b>Bogdan-Constantin Neagu</b> , Alexandra Adăscăliței, On the Assessment of Slow Voltage Variations in Electric Distribution Networks using K-Means Clustering Algorithm, 2nd IMEKO TC4 International Symposium & 20th International Workshop on ADC Modelling and

		Testing, Iași, Romania, September 14-15, 2017 SCOPUS <a href="https://www.scopus.com/record/display.uri?eid=2-s2.0-85046495777&amp;origin=resultslist">https://www.scopus.com/record/display.uri?eid=2-s2.0-85046495777&amp;origin=resultslist</a>
20.	10	<b>Bogdan-Constantin Neagu</b> , Gheorghe Grigoraș, Detection of Irregular Consumption to Load Monitoring in Smart Grids, 2nd IMEKO TC4 International Symposium & 20th International Workshop on ADC Modelling and Testing, Iași, Romania, September 14-15, 2017 SCOPUS <a href="https://www.scopus.com/record/display.uri?eid=2-s2.0-85046399670&amp;origin=resultslist">https://www.scopus.com/record/display.uri?eid=2-s2.0-85046399670&amp;origin=resultslist</a> .
21.	10	<b>Bogdan-Constantin Neagu</b> , Gheorghe Grigoraș, The Assessment of Power Quality in Electric Distribution Systems from Romania, Advances in Energy Research, vol. 28, pp. 157 – 211, 2017, ISBN: 978-1-53612-699-0 (Scopus). <a href="https://www.scopus.com/record/display.uri?eid=2-s2.0-85044542098&amp;origin=resultslist">https://www.scopus.com/record/display.uri?eid=2-s2.0-85044542098&amp;origin=resultslist</a>
22.	10	<b>Bogdan-Constantin Neagu</b> , Gheorghe Grigoraș, An Efficient Metaheuristic Algorithm for Optimal Capacitor Allocation in Electric Distribution Networks, 2017 2nd International Conference on Software, Multimedia and Communication Engineering (SMCE 2017), Shanghai, China, pp. 327- 332, 2017 (EI Compendex) 10.12783/dtce/smce2017/12448
23.	6.66	Nicusor Toma, Mihai Gavrilăș, <b>Bogdan-Constantin Neagu</b> , Application of smart metering systems for energy losses assessment and forecasting in distribution systems, Prace Naukowe Politechniki Śląskiej. Elektryka, Wydawnictwo Politechniki Śląskiej, nr. 1, pp. 51-57, Polonia, 2018, (Index Copernicus, getCITED, Ulrich's).
24.	6.66	Vladut Birjar, <b>Bogdan-Constantin Neagu</b> , Mugurel Rotariu, A Load Flow Comparative Analysis using Commercial Power Systems Tools, Buletinul Institutului Politehnic din Iași, secția Electrotehnică. Energetică. Electronică, Vol. 64 (68), No. 4, 2018, ISSN 1223-8139, p. 139-148 (CNCSIS B+, Index Copernicus, Ulrich's), <a href="http://www.bulipi-eee.tuiasi.ro/archive/2018/fasc.4/2018f4contents.pdf">http://www.bulipi-eee.tuiasi.ro/archive/2018/fasc.4/2018f4contents.pdf</a> .
25.	10	<b>Bogdan-Constantin Neagu</b> , Mugurel Rotariu, An Intelligent Solution for Power Losses Minimization in Electric Distribution Systems, Buletinul Institutului Politehnic din Iași, secția Electrotehnică. Energetică. Electronică, Vol. 63 (67), No. 4, 2017, ISSN 1223-8139, p. 79-92 (CNCSIS B+, Index Copernicus, Ulrich's), <a href="http://www.bulipi-eee.tuiasi.ro/archive/2016/fasc.2/2017f4contents.pdf">http://www.bulipi-eee.tuiasi.ro/archive/2016/fasc.2/2017f4contents.pdf</a>
26.	6.66	<b>Bogdan-Constantin Neagu</b> , Gheorghe Georgescu, Ovidiu Ivanov, Determining Additional Power and Energy Losses in Low Voltage Electricity Distribution Networks Operated in Distorted and Unbalanced Operation States, Buletinul Institutului Politehnic din Iași, secția Electrotehnică. Energetică. Electronică, Vol. 63 (67), No. 1, 2017, ISSN 1223-8139, pp. 97-110 (CNCSIS B+, Index Copernicus, getCITED, Ulrich's), <a href="http://www.bulipi-eee.tuiasi.ro/archive/2017/fasc.2/p8_f1_2017.pdf">http://www.bulipi-eee.tuiasi.ro/archive/2017/fasc.2/p8_f1_2017.pdf</a> .
27.	10	Gheorghe Georgescu, <b>Bogdan-Constantin Neagu</b> , Ovidiu Ivanov, The Evaluation of Active Power Losses in Low Voltage Distribution Systems Operated in Distorting Steady State, Buletinul Institutului Politehnic din Iași, secția Electrotehnică. Energetică. Electronică, Vol. 62 (66), No. 2, 2016, ISSN 1223-8139, p. 97-109 (CNCSIS B+, Index Copernicus), <a href="http://www.bulipi-eee.tuiasi.ro/archive/2016/fasc.2/2016f2contents.pdf">http://www.bulipi-eee.tuiasi.ro/archive/2016/fasc.2/2016f2contents.pdf</a>
28.	6.66	<b>Bogdan-Constantin Neagu</b> , Gheorghe Georgescu, Ovidiu Ivanov, Voltage Quality Analysis in Low Voltage Public Electric Distribution Networks Operated in Distorted and Unbalanced Conditions, Buletinul Institutului Politehnic din Iași, secția Electrotehnică. Energetică. Electronică, Vol. 62 (66), No. 2, 2016, p. 81-95 (CNCSIS B+, Index Copernicus), <a href="http://www.bulipi-eee.tuiasi.ro/archive/2016/fasc.2/2016f2contents.pdf">http://www.bulipi-eee.tuiasi.ro/archive/2016/fasc.2/2016f2contents.pdf</a>
29.	10	<b>Bogdan-Constantin Neagu</b> , Gheorghe Georgescu, Aspecte privind funcționarea rețelelor electrice de distribuție de joasă tensiune în regim permanent nesinusoidal, Revista Energetica, nr. 2, pp. 60-64, 2016 (CNCSIS B+, Index Copernicus), <a href="http://ire.ro/assets/Resources/2016/Numarul%202/energetica-02-2016.pdf">http://ire.ro/assets/Resources/2016/Numarul%202/energetica-02-2016.pdf</a> .
30.	10	Gheorghe Grigoraș, <b>Bogdan-Constantin Neagu</b> , Market Clearing Price Forecasting in Deregulated Electricity Markets Using a Fuzzy Approach, Acta Electrotehnica, Vo. 56, Nr. 3, pp. 113-116, 2015, ISSN : 1841-3323 (EBSCO) - cod CNCSIS: 576.
31.	10	<b>Bogdan-Constantin Neagu</b> , Gheorghe Grigoraș, Data Mining Tools in Electricity Distribution Systems, Acta Electrotehnica, Vol. 56, Nr. 3, pp. 209-212, 2015, ISSN : 1841-3323 (EBSCO) - cod CNCSIS: 576.
32.	10	Mugurel Rotariu, <b>Bogdan-Constantin Neagu</b> , Human Factor Modelling Using Markov Method, Buletinul Institutului Politehnic din Iași, Tomul LXI (LXV), Fasc. 4, pp. 117-132, 2015. (CNCSIS B+, Index Copernicus, getCITED, Ulrich's), ISSN 1223-8139, <a href="http://www.bulipi-eee.tuiasi.ro/archive/2015/fasc.4/p10_f4.pdf">http://www.bulipi-eee.tuiasi.ro/archive/2015/fasc.4/p10_f4.pdf</a> .

33.	10	Gheorghe Georgescu, <b>Bogdan-Constantin Neagu</b> , Influence of the Thermal Power Plant Withdrawal on 110 kV Network Steady State, Buletinul Institutului Politehnic din Iași, Tomul LXI (LXV), Fasc. 2, pp. 103-115, 2015. (CNCSIS B+, Index Copernicus, getCITED, Ulrich's), <a href="http://www.bulipi-eee.tuiasi.ro/archive/2015/fasc.2/p10_f">http://www.bulipi-eee.tuiasi.ro/archive/2015/fasc.2/p10_f</a>
34.	10	Razvan Pricope, <b>Bogdan-Constantin Neagu</b> , Optimal Reconfiguration of a Wind Farm Power Distribution Network, Buletinul Institutului Politehnic din Iași, Tomul LXI (LXV), Fasc. 2, pp. 91-102, 2015. (CNCSIS B+, Index Copernicus, getCITED, Ulrich's), ISSN 1223-8139, <a href="http://www.bulipi-eee.tuiasi.ro/archive/2015/fasc.2/p9_f2_2015.pdf">http://www.bulipi-eee.tuiasi.ro/archive/2015/fasc.2/p9_f2_2015.pdf</a> .
35.	10	Gheorghe Georgescu, <b>Bogdan-Constantin Neagu</b> , Mathematic Model and Application for Harmonic Steady-State of the Power Transmission Line, Buletinul Institutului Politehnic din Iași, Tomul LXI (LXV), Fasc. 1, pp. 79-98, 2015. (CNCSIS B+, Index Copernicus), <a href="http://www.bulipi-eee.tuiasi.ro/archive/2015/fasc.1/p8_f1_2015.pdf">http://www.bulipi-eee.tuiasi.ro/archive/2015/fasc.1/p8_f1_2015.pdf</a> .
36.	6.66	<b>Bogdan-Constantin Neagu</b> , Gheorghe Grigoraș, Florina Scarlatache, Managementul sarcinii în contextul integrării contorizării inteligente în rețelele electrice de distribuție, Revista Energetica, nr. 4, vol. 71, pp. 82-88, 2015, ISSN 1453-2360 (CNCSIS B+, Index Copernicus),
37.	6.66	Florina Scarlatache, Gheorghe Grigoraș, <b>Bogdan-Constantin Neagu</b> , Impactul generării distribuite asupra reglajului de tensiune in rețelele electrice de distribuție, Revista Energetica, Vol. 62, ISSN: 1453-2360, nr. 3, pp. 105-110, 2014(CNCSIS B+, Index Copernicus).
38.	20	<b>Bogdan-Constantin Neagu</b> , Power Flow Optimization Using Booster Transformers in High Voltage Distribution Networks, Buletinul Institutului Politehnic din Iași, Tomul LX (LXIV), Fasc. 3, pp. 95-105, 2014. (CNCSIS B+, Index Copernicus, getCITED, Ulrich's), ISSN 1223-8139, <a href="http://www.bulipi-eee.tuiasi.ro/archive/2014/fasc.1/p9_f3_2014.pdf">http://www.bulipi-eee.tuiasi.ro/archive/2014/fasc.1/p9_f3_2014.pdf</a> .
39.	10	Gheorghe Georgescu, <b>Bogdan-Constantin Neagu</b> , Monitoring Possibilities and Steady-State Analysis of Electric Energy Repartition Networks, Buletinul Institutului Politehnic din Iași, Tomul LX (LXIV), Fasc. 2, pp. 93-109, 2014. (CNCSIS B+, Index Copernicus, getCITED, Ulrich's), <a href="http://www.bulipi-eee.tuiasi.ro/archive/2014/fasc.2/p6_f22014.pdf">http://www.bulipi-eee.tuiasi.ro/archive/2014/fasc.2/p6_f22014.pdf</a> .
40.	10	<b>Bogdan-Constantin Neagu</b> , Gheorghe Georgescu, Possibilities of Load Curves Modelling in Electric Energy Distribution Networks, Buletinul Institutului Politehnic din Iași, Tomul LX (LXIV), Fasc. 1, pp. 89-102, 2014. (CNCSIS B+, Index Copernicus, getCITED, Ulrich's), <a href="http://www.bulipi-eee.tuiasi.ro/archive/2014/fasc.1/p8_f1_2014.pdf">http://www.bulipi-eee.tuiasi.ro/archive/2014/fasc.1/p8_f1_2014.pdf</a> .
41.	10	<b>Bogdan-Constantin Neagu</b> , Gheorghe Georgescu, A Comparative Study Regarding the Efficiency of Technical Losses Evaluation Methods in Low Voltage Electricity Networks, The 4th International Symposium on Electrical Engineering and Energy Converters – WESC 2012, Suceava, Buletinul AGIR nr. 3, pp. 603-610, 2012 (Index Copernicus, getCITED) <a href="http://www.agir.ro/buletine/1443.pdf">http://www.agir.ro/buletine/1443.pdf</a> .
42.	10	<b>Bogdan-Constantin Neagu</b> , Gheorghe Georgescu, Optimization possibilities for radial electric energy distribution network routes, Buletinul Institutului Politehnic din Iași, Tomul LIX (LXIII), Fasc. 1, pp.133-142, 2013 (CNCSIS B+, Index Copernicus, getCITED, Ulrich's), <a href="http://www.bulipi-eee.tuiasi.ro/archive/2013/fasc.1/p12_f1_2013.pdf">http://www.bulipi-eee.tuiasi.ro/archive/2013/fasc.1/p12_f1_2013.pdf</a> .
43.	6.66	<b>Bogdan-Constantin Neagu</b> , Gheorghe Georgescu, Mircea Dan Gușă, Aspecte privind o serie de modele matematice și programe de calcul destinate evaluării în exploatare a pierderilor tehnice în elementele rețelelor publice de distribuție în regimurile simetrice, Revista Tehnologiile Energiei. Producerea, transportul și distribuția energiei electrice, nr. 7, pp. 7-17, 2013 (CNCSIS B+, Index Copernicus), <a href="http://www.icemenerg.ro/RevistaTehnologiileEnergiei/RevTE%20rezrom%202013.htm">http://www.icemenerg.ro/RevistaTehnologiileEnergiei/RevTE%20rezrom%202013.htm</a> .
44.	6.66	Gheorghe Georgescu, <b>Bogdan-Constantin Neagu</b> , Eduard Pavelescu, The Economic Usability Factor Analysis of Power Transformer from Electric Energy Repartition Systems, Bul. Instit. Politehnic din Iași, Tomul LIX (LXIII), Fasc. 1, pp. 119-132, 2013 (CNCSIS B+, Index Copernicus, getCITED, Ulrich's), ISSN 1223-8139, <a href="http://www.bulipi-eee.tuiasi.ro/archive/2013/fasc.2/p7_f2_2013.pdf">http://www.bulipi-eee.tuiasi.ro/archive/2013/fasc.2/p7_f2_2013.pdf</a> .
45.	6.66	Gheorghe Georgescu, <b>Bogdan-Constantin Neagu</b> , Eduard Pavelescu, The Economic Usability Factor Analysis of 110 kV Lines from Electric Energy Repartition Systems, Buletinul Institutului Politehnic din Iași, Tomul LIX (LXIII), Fasc. 2, pp.75-92, 2013 (CNCSIS B+, INSPEC, Index Copernicus, getCITED, Ulrich's), ISSN 1223-8139, <a href="http://www.bulipi-eee.tuiasi.ro/archive/2013/fasc.1/p11_f1_2013.pdf">http://www.bulipi-eee.tuiasi.ro/archive/2013/fasc.1/p11_f1_2013.pdf</a> .
46.	6.66	<b>Bogdan-Constantin Neagu</b> , Gheorghe Georgescu, Ovidiu Ivanov, A New Approach for Electric Energy Distribution Network Routes

		Optimization, Buletinul Institutului Politehnic din Iași, Tomul LIX (LXIII), Fasc. 3, 2013, ISSN 1223-8139, p. 129-140 (ISI, INSPEC) <a href="http://www.bulipi-eee.tuiasi.ro/archive/2013/fasc.3/2013f3sumar.pdf">http://www.bulipi-eee.tuiasi.ro/archive/2013/fasc.3/2013f3sumar.pdf</a>
47.	10	<b>Bogdan-Constantin Neagu</b> , Gheorghe Georgescu, A Comparative Study Regarding the Efficiency of Technical Losses Evaluation Methods in Low Voltage Electricity Networks, The 4th International Symposium on Electrical Engineering and Energy Converters – WESC 2012, Suceava, Buletinul AGIR nr. 3, pp. 603-610, 2012 (CNCSIS B+, Index Copernicus) – ( <a href="http://www.buletinulagir.agir.ro/articol.php?id=1443">www.buletinulagir.agir.ro/articol.php?id=1443</a> ).
48.	6.66	<b>Bogdan-Constantin Neagu</b> , Gheorghe Georgescu, Mircea Dan Gușă, Distorting State Analysis in Electric Energy Distribution Networks, Buletinul Institutului Politehnic din Iași, Tomul LVIII (LXII), Fasc. 4, pp. 97-108, 2012 (ISI, Index Copernicus), ISSN 1223-8139, <a href="http://www.bulipi-eee.tuiasi.ro/archive/2012/fasc.4/p10_f4_2012.pdf">http://www.bulipi-eee.tuiasi.ro/archive/2012/fasc.4/p10_f4_2012.pdf</a> .
49.	10	Gheorghe Georgescu, <b>Bogdan-Constantin Neagu</b> , Power Quality and Reactive Power Sources Management from Distribution Dispatch Point of View at Distribution Operator Level, Buletinul Institutului Politehnic din Iași, Tomul LVIII (LXII), F. 1, pp. 125-138, 2012 (CNCSIS B+, Index Copernicus, getCITED, Ulrich's), ISSN 1223-8139, <a href="http://www.bulipi-eee.tuiasi.ro/archive/2012/fasc.1/p12_f1_2012.pdf">http://www.bulipi-eee.tuiasi.ro/archive/2012/fasc.1/p12_f1_2012.pdf</a>
50.	10	Gheorghe Georgescu, <b>Bogdan-Constantin Neagu</b> , Aspects Regarding the Power Quality in Electric Energy Repartition and Distribution Systems, Buletinul Institutului Politehnic din Iași, Tomul LVIII (LXII), Fasc. 3, pp. 265-270, 2012 (CNCSIS B+, Index Copernicus), <a href="http://www.bulipi-eee.tuiasi.ro/archive/2012/fasc.3/p14_f3_2012.pdf">http://www.bulipi-eee.tuiasi.ro/archive/2012/fasc.3/p14_f3_2012.pdf</a> .
51.	6.66	<b>Bogdan-Constantin Neagu</b> , Gheorghe Georgescu, Mircea Dan Gușă, Mathematical Methods for Technical Active Power and Energy Loss Evaluation in Operation Using Typical Load Profiles of the Consumers from Repartition Systems, 4th International Conference on Modern Power Systems – MPS 2011, pp. 139-142, 2011 (Ulrich's) <a href="https://ie.utcluj.ro/files/a/2011/Number5/Cuprins%20Proceedings%20MPS%202011.pdf">https://ie.utcluj.ro/files/a/2011/Number5/Cuprins%20Proceedings%20MPS%202011.pdf</a> .
52.	6.66	<b>Bogdan-Constantin Neagu</b> , Gheorghe Georgescu, Mircea Dan Gușă, Load Curves Characteristics of Consumers Supplied from Electricity Repartition and Distribution Public Systems, Buletinul Institutului Politehnic din Iași, Tomul LVII (LXI), F. 1, 2011, pp. 141-157 (CNCSIS B+, Index Copernicus, getCITED, Ulrich's), ISSN 1223-8139, <a href="http://www.bulipi-eee.tuiasi.ro/archive/2011/fasc.1/p12_f1_2011.pdf">http://www.bulipi-eee.tuiasi.ro/archive/2011/fasc.1/p12_f1_2011.pdf</a> .
53.	10	<b>Bogdan-Constantin Neagu</b> , Gheorghe Georgescu, Issues of Load Forecast and Consumption Profiling Process in Electricity Repartition and Distribution Systems, The 4th International Symposium on Electrical Engineering and Energy Converters – ELS 2011, Suceava, pp. 215-220 (Index Copernicus), <a href="http://www.agir.ro/buletine/1071.pdf">http://www.agir.ro/buletine/1071.pdf</a>
54.	10	Gheorghe Georgescu, <b>Bogdan-Constantin Neagu</b> , Opportunities Evaluation in Operation of the Technical Losses Under Load from Low Voltage Networks in Symmetric State, Buletinul Institutului Politehnic din Iași, Tomul LVII (LXI), F. 5, pp. 159-174, 2011, (Index Copernicus), <a href="http://www.bulipi-eee.tuiasi.ro/archive/2011/fasc.2/p12_f2_2011.pdf">www.bulipi-eee.tuiasi.ro/archive/2011/fasc.2/p12_f2_2011.pdf</a> .
55.	10	<b>Bogdan-Constantin Neagu</b> , Gheorghe Georgescu, The Load Curves Profiling and their Parameters of Different Consumer Categories Supplied from Electric Energy Repartition and Distribution Systems, Bul.Inst. Polit. Iași, Tomul LVII, F. 4, 2011, pp. 167-178 (Index Copernicus), <a href="http://www.bulipi-eee.tuiasi.ro/archive/2011/fasc.4/p18_f4_2011.pdf">http://www.bulipi-eee.tuiasi.ro/archive/2011/fasc.4/p18_f4_2011.pdf</a> .
56.	10	Gheorghe Georgescu, <b>Bogdan-Constantin Neagu</b> , Some Aspects Concerning the Mathematical Models and Software Application for Evaluation of Technical Losses in Operation of Medium Voltage Public Distribution Networks, Buletinul Institutului Politehnic din Iași, Tomul LVII (LXI), F. 5, pp.129-144, 2011 (CNCSIS B+, Index Copernicus, getCITED, Ulrich's), ISSN 1223-8139, <a href="http://www.bulipi-eee.tuiasi.ro/archive/2011/fasc.5/p15_f5_2011.pdf">http://www.bulipi-eee.tuiasi.ro/archive/2011/fasc.5/p15_f5_2011.pdf</a> .
57.	10	Gheorghe Georgescu, <b>Bogdan-Constantin Neagu</b> , Aspects Regarding the Improvement of Supply Quality in Public Electricity Distribution Systems, Buletinul Institutului Politehnic din Iași, Tomul LVI (LX), F. 3, pp. 83-94, 2010 (CNCSIS B+, Index Copernicus, getCITED, Ulrich's), ISSN 1223-8139, <a href="http://www.bulipi-eee.tuiasi.ro/archive/2010/fasc.3/en/r9_f3_2010.pdf">http://www.bulipi-eee.tuiasi.ro/archive/2010/fasc.3/en/r9_f3_2010.pdf</a>
58.	10	<b>Bogdan-Constantin Neagu</b> , Gheorghe Georgescu, Load and Energy Forecast on a Proximate, Medium and Long Horizon in Public Electricity Repartition and Distribution Systems, Buletinul Institutului Politehnic din Iași, Tomul LVI (LX), Fasc. 3, 2010, pp. 71-82 (CNCSIS B+, Index Copernicus, getCITED, Ulrich's), ISSN 1223-8139, <a href="http://www.bulipi-eee.tuiasi.ro/archive/2010/fasc.3/en/r8f3_2010en.pdf">http://www.bulipi-eee.tuiasi.ro/archive/2010/fasc.3/en/r8f3_2010en.pdf</a> .

59.	6.66	Viorel Varvara, Gheorghe Georgescu, <b>Bogdan-Constantin Neagu</b> , Analysis of the Distortion State in Public Electrical Power Supply Systems, The International Conference on Engineering of Modern Electric Systems - EMES'09, Analele Universității din Oradea, Fascicula de energetică, vol.15, pp. 148-153, 2009 (CNCSIS B+, Index Copernicus, EBSCO), <a href="http://www.energy-cie.ro/archives/2009/p1-29.pdf">http://www.energy-cie.ro/archives/2009/p1-29.pdf</a> .
60.	10	Gheorghe Georgescu, <b>Bogdan-Constantin Neagu</b> , The Pollution with Harmonics in Public Electric Energy Repartition and Distribution Systems, The 3rd International Symposium on Electrical Engineering and Energy Converters – ELS2009, Suceava, pp. 245-250, 2009, (CNCSIS B+, Index Copernicus, EBSCO) <a href="http://www.els.usv.ro/pagini/past_editions/ELS%202009/E1.05_GEORGESCU%20Gheorghe%20(2).pdf">http://www.els.usv.ro/pagini/past_editions/ELS%202009/E1.05_GEORGESCU%20Gheorghe%20(2).pdf</a> .
61.	10	Gheorghe Georgescu, <b>Bogdan-Constantin Neagu</b> , Possibilities of Surveying Electric Load and Daily Load Curves for the Profiling of Consumption in Public Energy Repartition and Distribution Systems, The 3rd International Symposium on Electrical Engineering and Energy Converters – ELS2009, Suceava, pp. 245-250, 2009, (Index Copernicus,) <a href="http://www.els.usv.ro//ELS2009/E1.05_GEORGESCU%20Gheorghe%20(1).pdf">http://www.els.usv.ro//ELS2009/E1.05_GEORGESCU%20Gheorghe%20(1).pdf</a>
62.	10	<b>Bogdan-Constantin Neagu</b> , Gheorghe Georgescu, Some Aspects Regarding the Distortion State in Public Power Distribution Systems, The 4th edition of Interdisciplinarity in Engineering International Conference – Inter-Eng 2009, Târgu Mureș, 2009, pp. 25-30 ((CNCSIS B+, Index Copernicus, EBSCO <a href="http://www.inter-eng.upm.ro/2009/files/proceedings/papers/paper4.pdf">www.inter-eng.upm.ro/2009/files/proceedings/papers/paper4.pdf</a> ).
63.	10	<b>Bogdan-Constantin Neagu</b> , Gheorghe Georgescu, Remarks on Power Flow Optimization in Public Electricity Repartition Systems, The 4th edition of the Interdisciplinary in Engineering International Conference – Inter-Eng 2009, Târgu Mureș, 2009, pp. 31-36, (CNCSIS B+, Index Copernicus, EBSCO <a href="http://www.inter-eng.upm.ro/2009/files/proceedings/papers/paper5.pdf">www.inter-eng.upm.ro/2009/files/proceedings/papers/paper5.pdf</a> ).
64.	6.66	Gheorghe Georgescu, Viorel Varvara, <b>Bogdan-Constantin Neagu</b> , The Estimation of the Voltage Level in Public Electric Energy Repartition Networks Using Artificial Neuronal Networks, Buletinul Institutului Politehnic din Iași, Tomul LV (LIX), F. 3, pp. 111-122, 2009 (CNCSIS B+, Index Copernicus, getCITED, Ulrich's), ISSN 1223-8139, <a href="http://www.bulipi-eee.tuiasi.ro/archive/2009/fasc.3/en/r10f3_2009en.pdf">http://www.bulipi-eee.tuiasi.ro/archive/2009/fasc.3/en/r10f3_2009en.pdf</a>
65.	6.66	Gheorghe Georgescu, Viorel Varvara, <b>Bogdan-Constantin Neagu</b> , The Estimation and Time Evolution of the Distortion State in Public Electric Energy Repartition and Distribution Systems, Buletinul Institutului Politehnic din Iași, Tomul LV (LIX), F. 4, pp. 99-111, 2009 (CNCSIS B+, Index Copernicus), ISSN 1223-8139, <a href="http://www.bulipi-eee.tuiasi.ro/archive/2009/fasc.4/en/r9_f42009_en.pdf">http://www.bulipi-eee.tuiasi.ro/archive/2009/fasc.4/en/r9_f42009_en.pdf</a> .
TOTAL	521.21	

#### 2.4. Granturi/proiecte castigate prin competiție

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	1 x 10 = 10	<i>Platformă software inovativa pentru managementul energetic al consumatorilor finali in vederea cresterii eficientei energetice și a reducerii emisiilor de carbon, Grant PN-III-P2-2.1-CI-2018-1017, Contract nr. 174CI din 04/07/2018</i>	Director /Responsabil proiect	49990	10891
2.	National	1 x 10 = 10	<i>Management inteligent a centralelor electrice virtuale cu ajutorul platformelor software bazate pe inteligenta artificiala, in contextul</i>	Director /Responsabil proiect	49750	10839

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
			competitivitatii energetice Europene, Grant PN-III-P2-2.1-CI-2018-1011, Contract nr. 173CI din 02/07/2018			
3.	International	4 x 2 = 8	2SOFT/1.2/66, din cadrul programului "Joint Operational Programme Romania – Republic of Moldova 2014 – 2020" finanțat prin ENI CBC, cu titlul "Research and promotion of highly efficient energy generation through trigeneration by using solar renewable resources for getting electricity, heat and cold and purchasing of equipment" 2020-2022	Membru	48979	9796
4.	National	2 x 3 = 6	Holistica impactului surselor regenerabile de energie asupra mediului și climei-HORESEC, Grant PN-III-P1-1.2-PCCDI-2017-0404 / 31PCCDI, 2018-2021	Membru	5287500	1079081
5.	National	1 x 2 = 2	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, Contract 192CI/25.07.2018	Membru	50000	10893
6.	International	4 x 2 = 8	COFUND-MANUNET III-AniConFilm 18/2018 Manufacturing technology of nanostructured anisotropic conductive films with tailored architecture under electromagnetic field for electronics and biomedical applications, 2018-2020	Membru	492100	98420
7.	International	4 x 2 = 8	COFUND-MANUNET III-STEWART 22/2018, SorTing system for dEmolition WAsTe based on advanced RoboTics, 2018-2020	Membru	485137	97027
8.	International	4 x 2 = 8	COFUND-MANUNET III- PRINTPoC 17/2018, Improving PRINTing manufacturing technologies for affordable PoC self-testing analysis systems, 2018-2020	Membru	382700	76540
9.	National	1 x 2 = 2	Platforma de management și control integrat al fluxurilor purtătorilor de energie în scopul creșterii	Membru	50000	10893

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
			<i>eficientei energetice la IMM-uri</i> , Grant PN-III-P2-2.1-CI-2017-0190, Contract 105CI /25.07.2017			
10.	International	4 x 3 = 12	Terapie Hipertermo-chemoterapica combinată pentru controlul tumorilor hepatice, bazată pe activarea cu microunde a unor nanostructuri funcționalizate imobilizate subendotelioan, Colab PN III ERA NET 4-002/2012, beneficiar Universitatea Tehnică „Gheorghe Asachi” din Iași, durata contractului 2012-2014	Membru	790350	158070
11.	International	4 x 4 = 16	PN III ERA NET Contract nr. 50/2016 – Nanoterminala și arhitecturi inovatoare pentru aplicații integrate de captare a energiei piezoelectrice, 2016-2019	Membru	447750	89550
12.	International	4 x 3 = 12	PN III ERA NET Contract nr. 84/2016 - SMART URBAN ISLE- Smart bioclimatic low-carbon urban areas as innovative energy isles in the sustainable city, 2016-2018	Membru	710968	142194
13.	National	1 x 2 = 2	<i>Instrument software pentru gestiunea tranzacțiilor pe piața de energie electrică</i> , Grant PN-III-P2-2.1-CI-2017-0328, Contract 45CI/25.07.2017	Membru	50000	10893
14.	National	3 x 2 = 6	Contract nr. 9/2015 Senzori integrați cu caracteristici microfluidice folosind tehnologia LTCC, 2014-2017	Membru	281750	56350
15.	National	3 x 2 = 6	Tehnologii inovative de asamblare – dezasamblare a componentelor nemetalice industriale, bazate pe adezivi electro - activi nano-structurați, Contract de cercetare nr. 7-042/09.05.2011 (MAGBOND), beneficiar Universitatea Tehnică „Gheorghe Asachi” din Iași, durata contractului 2011-2012	Membru	628919	125784
16.	National	3 x 2 = 6	Dezvoltarea de bio-senzori prin intermediul unei tehnologii inovative de electro - acoperire a structurilor carbonice cu polimeri activi. Contract de cercetare nr. 7-038/13.05.2011 (CARBIOSENSE), beneficiar Universitatea Tehnică „Gheorghe	Membru	381281	76256

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
			Asachi" din Iași, durata contractului 2011-2013			
Total		122				

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

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	1 x 2 = 2	<i>Determinarea anuală și/sau trimestrială a prognozei de consum propriu tehnologic pentru rețeaua de energie electrica din zona de activitate a Delgaz Grid. S.A. pentru anul 2019 Contract nr. 1350P / 14.02.2019</i>	Membru	35000	7000
2.	National	2 x 2 = 4	<i>Determinarea anuală și/sau trimestrială a prognozei de consum propriu tehnologic pentru rețeaua de energie electrica din zona de activitate a Delgaz Grid. S.A. pentru anul 2018 Contract nr. 3105P / 14.02.2018</i>	Membru	46500	9981
3.	National	2 x 2 = 4	<i>Determinarea anuală și/sau trimestrială a prognozei de consum propriu tehnologic pentru rețeaua de energie electrica din zona de activitate a Delgaz Grid. S.A. Contract nr. 448P / 15.03.2017</i>	Membru	44888	9887
4.	National	1 x 2 = 2	<i>Prestări servicii cercetare: prelucrare MST instantanee și stabilire locatii MST 1 zi, Contract nr. 12697/05.07.2017, beneficiar: Delgaz Grid S.A</i>	Membru	9783	2000
5.	National	2 x 2 = 4	<i>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 /</i>	Membru	60000	13483

			21.04.2016; beneficiar: EON Distribuție Romania S.A. - Membru			
6.	National	2 x 2 = 4	<i>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 2014-2015, Contract nr. 1398P / 08.10.2014, beneficiar: E.ON Moldova Distribuție S.A. - Membru</i>	Membru	194000	43654
7.	National	1 x 2 = 2	<i>Servicii de consultanță privitoare la conformitatea întocmirii normei de consum propriu tehnologic în rețelele de distribuție pentru anul 2013, Contract nr. 26 /2014, beneficiar: E.ON Moldova Distribuție S.A. - Membru</i>	Membru	10000	2000
	<b>TOTAL</b>	<b>22</b>				

### 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	Neagu, B. C., & Georgescu, G. (2014, October). Wind farm cable route optimization using a simple approach. In 2014 International Conference and Exposition on Electrical and Power Engineering (EPE) (pp. 1004-1009). IEEE.	2	
		<b>Lucrarea care citează</b>	Tip	<b>Punctaj</b>
1.	1	Wędzik, A., Siewierski, T., & Szypowski, M. (2016). A new method for simultaneous optimizing of wind farm's network layout and cable cross-sections by MILP optimization. Applied Energy, 182, 525-538.	ISI	2.5
2.	2	Pérez-Rúa, J. A., & Cutululis, N. A. (2019). Electrical cable optimization in offshore wind farms—A review. IEEE Access, 7, 85796-85811.	ISI	2.5
3.	3	Inga, E., Campaña, M., & Hincapié, R. (2018, May). Optimal sizing of electrical distribution networks considering scalable demand and voltage. In 2018 IEEE 1st colombian conference on applications in computational intelligence (ColCACI) (pp. 1-6). IEEE.	ISI	2.5
4.	4	Đorđević, A., & Đurišić, Ž. (2018). General mathematical model for the calculation of economic cross sections of cables for wind farms collector systems. IET Renewable Power Generation, 12(8), 901-909.	ISI	2.5
5.	5	Pérez-Rúa, J. A., Minguijón, D. H., Das, K., & Cutululis, N. A. (2019, October). Heuristics-based design and optimization of offshore wind farms collection systems. In Journal of Physics: Conference Series (Vol. 1356, No. 1, p. 012014). IOP Publishing.	ISI	2.5
6.	6	Park, M., Jeong, B., & Kim, M. (2020). Decision-making for cable routing at detailed ship design through life cycle and cost assessment. Journal of International Maritime Safety, Environmental Affairs, and Shipping, 4(3), 93-107.	ISI	2.5
				<b>15</b>
		<b>Lucrarea citată</b>	<b>Nr. autori</b>	
	L2	Vicol, B., Gavrilas, M., Ivanov, O., Neagu, B., & Grigoras, G. (2014, May). Synchrophasor measurement method for overhead line parameters estimation in MV distribution networks. In Harmonics and Quality of Power (ICHQP), 2014 IEEE 16th International Conference on (pp. 862-865). IEEE.	5	
		<b>Lucrarea care citează</b>	Tip	<b>Punctaj</b>
7.	3	Jin, H., Gao, Z., & Zhao, J. (2020, February). Line Parameter Estimation of Distribution Network after Grounding Fault. In 2020 IEEE Power and Energy Conference at Illinois (PECI) (pp. 1-6). IEEE.	ISI	1
8.	4	Popa, C. (2020). Impact of substations equipment to the environment. International Journal of Global Warming, 21(2), 155-172.	ISI	1
				<b>2</b>
		<b>Lucrarea citată</b>	<b>Nr. autori</b>	
	L3	Grigoras, G., & Neagu, B. C. (2015, June). Market Clearing Price Forecasting in Deregulated Electricity Markets Using a Fuzzy Approach. In 6th International Conference on Modern Power Systems, MPS (pp. 113-117).	2	
		<b>Lucrarea care citează</b>	Tip	<b>Punctaj</b>
9.	1	Dumbrava, V., Lazaroiu, G. C., Teliceanu, M., & Gilca, G. (2017, June). Educational software package for electricity market laboratory. In Modern Power Systems (MPS), 2017 International Conference on (pp. 1-5). IEEE Xplore	ISI	2.5

				<b>2.5</b>
		<b>Lucrarea citată</b>	<b>Nr. autori</b>	
	L4	Neagu Bogdan-Constantin, Gheorghe Grigoras, Assessment of Slow Voltage Variations from the Electric Distribution Systems with Fuzzy Techniques, ECAI 2015-International Conference — 7th Edition Electronics Computers and Artificial Intelligence 25 June-27 June, 2015.	2	
		<b>Lucrarea care citează</b>	Tip	<b>Punctaj</b>
10.	1	Anis Ur Rehman ; Muhammad Abid Mengal ; Ishtiaq Ahmad ; Atiq Ur Rehman ; Sheharyar Mehmood, Voltage fluctuations and very low voltage profile problems in distribution system under extreme load growth, Power and Energy Engineering Conference (APPEEC), 2016 IEEE PES Asia-Pacific, pp. 205 – 210, 2016, Xi'an, China.	ISI	2.5
11.	2	Yongjun Yu ; Chongkai Cai ; Chao Ma, Power Quality Evaluation Based on Combinatorial Weighting Method & TOPSIS, 2019 IEEE PES Asia-Pacific Power and Energy Engineering Conference (APPEEC), Macao, China, 1-4 Dec. 2019.	ISI	2.5
				<b>5</b>
		<b>Lucrarea citată</b>	<b>Nr. autori</b>	
	L5	Neagu, B. C., Grigoraș, G., Scarlatache, F. (2017, March). Outliers discovery from Smart Meters data using a statistical based data mining approach. In <i>Advanced Topics in Electrical Engineering 2017 10th International Symposium on</i> (pp. 555-558).	<b>3</b>	
		<b>Lucrarea care citează</b>	Tip	<b>Punctaj</b>
12.	1	Marzal, S., Salas, R., González-Medina, R., Garcerá, G., Figueres, E. (2017). Current challenges and future trends in the field of communication architectures for microgrids. <i>Renewable and Sustainable Energy Reviews</i> , 2017.	ISI	1.66
13.	2	Ge, M., Bangui, H., & Buhnova, B. (2018). Big data for internet of things: A survey. <i>Future Generation Computer Systems</i> , 87, 601-614.	ISI	1.66
14.	3	P. H. Meira de Andrade, J. M. M. Villanueva, H. D. de Macedo Braz An Outliers Processing Module Based on Artificial Intelligence for Substations Metering System, IEEE Transactions on Power Systems, September 2020, vol. 35, no. 5, pp. 3400-3409.	ISI	1.66
15.	4	Daniel Gonzalez, Miguel A. Patricio, Antonio Berlanga, Jose M. Molina, Variational autoencoders for anomaly detection in the behaviour of the elderly using electricity consumption data, Expert Systems, June 2021, DOI: 10.1111/exsy.12744	ISI	1.66
16.	5	Chatterjee, I., Zhou, M., Abusorrah, A., Sedraoui, K., & Alabdulwahab, A. (2021). Statistics-Based Outlier Detection and Correction Method for Amazon Customer Reviews. <i>Entropy</i> , 23(12), 1645.	ISI	1.66
				<b>8.3</b>
		<b>Lucrarea citată</b>	<b>Nr. autori</b>	
	L6	Grigoraș, G., Neagu, B. C., & Scarlatache, F. (2016, June). Estimation of energy losses in distribution transformers using a fuzzy approach. In <i>Fundamentals of Electrical Engineering (ISFEE), 2016 International Symposium on</i> (pp. 1-6). IEEE.	3	
		<b>Lucrarea care citează</b>	Tip	<b>Punctaj</b>
17.	2	Busra Aslan, Selami Balci, Ahmet Kayabas, Berat Yildiz, The core loss estimation of a single phase inverter transformer by using adaptive neuro-fuzzy inference system, Measurement, Volume 179, July 2021, 109427	ISI	1.66
				<b>1.66</b>
		<b>Lucrarea citată</b>	<b>Nr. autori</b>	
	L7	Grigoras, G., Neagu, B. C., Scarlatache, F., & Ciobanu, R. C., Identification of pilot nodes for secondary voltage control using K-means clustering algorithm. In <i>Industrial Electronics (ISIE), 2017 IEEE 26th International Symposium on</i> , pp. 106-110, 2017	4	
		<b>Lucrarea care citează</b>		

18.	2	Di Fazio, A. R., Russo, M., & De Santis, M., Zoning Evaluation for Voltage Optimization in Distribution Networks with Distributed Energy Resources. <i>Energies</i> , 12(3), 390, 2019.	ISI	1.25
19.	3	Allal El Moubarek Bouzid, Bogdan Marinescu, Guillaume Denis, Structural Analysis and Improved Reactive Power Alignment for Secondary Voltage Control, 2019 IEEE Milan PowerTech, June 2019, DOI: 10.1109/PTC.2019.8810693	ISI	1.25
20.	4	Iqbal, T., & Feliachi, A. (2019, August). Decentralized Voltage Control Using Fast Community Detection Algorithm and Eigen Decomposition. In 2019 IEEE Power & Energy Society General Meeting (PESGM) (pp. 1-5). IEEE.	ISI	1.25
				3.75
		<b>Lucrarea citată</b>	<b>Nr. autori</b>	
21.	L9	Bogdan-Constantin Neagu, <b>Gheorghe Grigoraș</b> , Florina Scarlatache, Cristina Schreiner, Romeo 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	5	
		<b>Lucrarea care citează</b>		
22.	2	Jararweh, Y., Shehab, M. A., Yaseen, Q., & Al-Ayyoub, M. (2020). Improving classification and clustering techniques using GPUs. <i>Concurrency and Computation: Practice and Experience</i> , 32(21), e5538.	ISI	1
23.	4.	Yu, Ping, Application of Data Mining in Student Achievement Analysis, 2017 4TH ICMIBI INTERNATIONAL CONFERENCE ON TRAINING, EDUCATION, AND MANAGEMENT (ICMIBI-TEM 2017), Book Series: Lecture Notes in Management Science Volume: 83 Pages: 433-437 Published: 2017	ISI	1
				2
		<b>Lucrarea citată</b>	<b>Nr. autori</b>	
	L10	<b>Gheorghe Grigoraș</b> , Florina Scarlatache, Bogdan-Constantin Neagu, <i>Analysis of energy saving solutions based on replacement of distribution 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	3	
		<b>Lucrarea care citează</b>		
24.	1	Lepadat, I., Helerea, E., Abagiu, S., & Mihai, C. (2017, October). Losses in power supply system of industrial consumers—A technical and economic issue. In <i>2017 5th International Symposium on Electrical and Electronics Engineering (ISEEE)</i> (pp. 1-6). IEEE.	ISI	1.66
				1.66
		<b>Lucrarea citată</b>	<b>Nr. autori</b>	
	L11	<b>Gheorghe Grigoraș</b> , Bogdan-Constantin 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), București, Romania, pp. 551 -554, 2017	3	
		<b>Lucrarea care citează</b>		
25.	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
26.	2	Jimenez, V. A., Will, A., & Rodriguez, S. (2020). Phase identification and substation detection using data analysis on limited electricity consumption measurements. <i>Electric Power Systems Research</i> , 187, 106450.	ISI	1.66
27.	3	Mansani S., Udaykumar R.Y., Santoshkumar, Asha Rani M.A., Sreejith S. (2021) Phase Balancing of DG-Integrated Smart Secondary Distribution Network. In: Zhou N., Hemamalini S. (eds) <i>Advances in Smart Grid Technology. Lecture Notes in</i>	ISI	1.66

		Electrical Engineering, vol 688. Springer, Singapore. <a href="https://doi.org/10.1007/978-981-15-7241-8_23">https://doi.org/10.1007/978-981-15-7241-8_23</a>		
28.	4	Victor Adrian Jimenez, Adrian Will, A new data-driven method based on Niching Genetic Algorithms for phase and substation identification, Electric Power Systems Research, Volume 199, October 2021,.	ISI	1.66
				<b>6.64</b>
		<b>Lucrarea citată</b>	<b>Nr. autori</b>	
	L12	Bogdan-Constantin Neagu, <b>Gheorghe Grigoraș</b> , Florina Scarlatache, <i>The influence of harmonics on power losses in urban distribution networks</i> , 16 International Symposium on Fundamentals of Electrical Engineering (ISFEE), București, Romania, 2016.	<b>3</b>	
		<b>Lucrarea care citează</b>		
29.	1	Vandana Jain, Bhim Singh, EGI Based Control for a Grid Tied Double Stage Solar PV System, 2018 8th IEEE India International Conference on Power Electronics (IICPE)	ISI	<b>1.66</b>
30.	2	Cristian Gheorghiu, Stefan Gheorghe, Mircea Scripcariu, Radu Porumb, Energy Efficiency and Power Quality Indicators of a Micro Grid. Case study: Lighting Systems, 2019 8th International Conference on Modern Power Systems (MPS)	ISI	<b>1.66</b>
31.	4	Smugala, D., & Bonk, M. (2020). Study of Arc Parameters of AC Relays Operating under Distorted Supply Voltage Conditions. Energies, 13(18), 4785.	ISI	<b>1.66</b>
32.	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	<b>1.66</b>
33.	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	<b>1.66</b>
34.	8	C. GHEORGHIU, M. SCRIPCARIU, Ș. GHEORGHE and G. N. SAVA, „Energy Performance Improvement Actions for Power Distribution Networks in University Campuses,” 2019 International Conference on ENERGY and ENVIRONMENT (CIEM), 2019, pp. 369-373, doi: 10.1109/CIEM46456.2019.8937700.	ISI	<b>1.66</b>
35.	9	Ye, J., Huang, S., Liu, L., Li, L., Xu, J., & Shen, A. (2020). Accurate Harmonic Calculation for Digital SPWM of VSI With Dead-Time Effect. IEEE Transactions on Power Electronics, 36(7), 7892-7902.	ISI	<b>1.66</b>
36.	11	Gheorghiu, C., Scripcariu, M., Gheorghe, S., Gheorghiu, M., & Dobrica, A. G. (2021, June). The impact of Power transformers on the Energy Performance Indicators of the power distribution grids of industrial end-users transitioning towards environmental sustainability. In 2021 9th International Conference on Modern Power Systems (MPS) (pp. 1-7). IEEE.	ISI	<b>1.66</b>
				<b>13.28</b>
		<b>Lucrarea citată</b>	<b>Nr. autori</b>	
	L13	Neagu, B. C., Grigoraș, G., & Ivanov, O. (2019, May). An Efficient Peer-to-Peer Based Blockchain Approach for Prosumers Energy Trading in Microgrids. In 2019 8th International Conference on Modern Power Systems (MPS) (pp. 1-4). IEEE.	<b>3</b>	
		<b>Lucrarea care citează</b>		
37.	1	Di Silvestre, M. L., Gallo, P., Guerrero, J. M., Musca, R., Sanseverino, E. R., Sciumè, G., ... & Zizzo, G. (2019). Blockchain for power systems: Current trends and future applications. Renewable and Sustainable Energy Reviews, 109585.	ISI	<b>1.66</b>
38.	2	González-Romera, E., Romero-Cadaval, E., Roncero-Clemente, C., Ruiz-Cortés, M., Barrero-González, F., Milanés Montero, M. I., & Moreno-Muñoz, A. (2020). Secondary Control for Storage Power Converters in Isolated Nanogrids to Allow Peer-to-Peer Power Sharing. Electronics, 9(1), 140.	ISI	<b>1.66</b>

39.	3	Muhammad F. Zia, Mohamed Benbouzid, Elhoussin Elbouchikhi, S. M. Muyeen, Kuaanan Techato, Josep M. Guerrero, Microgrid Transactive Energy: Review, Architectures, Distributed Ledger Technologies, and Market Analysis, IEEE Access, January 2020, DOI: 10.1109/ACCESS.2020.2968402	ISI	1.66
40.	4	Mussadiq, U., Mahmood, A., Ahmed, S., Razzaq, S., & Koo, I. Economic and Climatic Impacts of Different Peer-to-Peer Game Theoretic-based Energy Trading Systems., IEEE Access,	ISI	1.66
41.	5	Tsao, Y. C., & Thanh, V. V. Toward sustainable microgrids with blockchain technology-based peer-to-peer energy trading mechanism: A fuzzy meta-heuristic approach. Renewable and Sustainable Energy Reviews, 136, 110452, 2021	ISI	1.66
42.	6	Ayman Esmat, Martijn de Vos, Yashar Ghiassi-Farrokhfal, Peter Palensky, Dick Epema, A novel decentralized platform for peer-to-peer energy trading market with blockchain technology, Applied Energy, Volume 282, Part A, 15 January 2021, 116123.	ISI	1.66
43.	7	Roncero-Clemente, C., Gonzalez-Romera, E., Barrero-González, F., Milanés-Montero, M. I., & Romero-Cadaval, E. Power-Flow-Based Secondary Control for Autonomous Droop-Controlled AC Nanogrids With Peer-to-Peer Energy Trading. IEEE Access, 9, 22339-22350.	ISI	1.66
44.	8	Caruso, M., Gallo, P., Ippolito, M. G., Nassuato, S., Tomasone, N., Sanseverino, E. R., ... & Zizzo, G. (2021). Challenges and directions for Blockchain technology applied to Demand Response and Vehicle-to-Grid scenarios. In Distributed Energy Resources in Local Integrated Energy Systems (pp. 207-230). Elsevier.	ISI	1.66
45.	9	Esmat, A., de Vos, M., Ghiassi-Farrokhfal, Y., Palensky, P., & Epema, D. (2021). A novel decentralized platform for peer-to-peer energy trading market with blockchain technology. Applied Energy, 282, 116123.	ISI	1.66
46.	10	Jayachandran, M., Rao, K. P., Gatla, R. K., Kalaivani, C., Kalaiarasy, C., & Logasabarirajan, C. (2022). Operational concerns and solutions in smart electricity distribution systems. Utilities Policy, 74, 101329.	ISI	1.66
47.	11	Ehjaz, M., Iqbal, M., Zaidi, S. S. H., & Khan, B. M. (2021). A Novel Scheme for P2P Energy Trading Considering Energy Congestion in Microgrid. IEEE Access, 9, 147649-147664.	ISI	1.66
				18.26
		<b>Lucrarea citată</b>	<b>Nr. autori</b>	
	L14	Bogdan-Constantin Neagu, <b>Gheorghe Grigoraș</b> , 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	
		<b>Lucrarea care citează</b>		
48.	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
				1.66
		<b>Lucrarea citată</b>	<b>Nr. autori</b>	
	L15	Ivanov, O.; Neagu, B.-C.; Grigoras, G.; Gavrilas, M. Optimal Capacitor Bank Allocation in Electricity Distribution Networks Using Metaheuristic Algorithms. Energies 2019, 12, 4239.	4	
		<b>Lucrarea care citează</b>	<b>Tip</b>	
49.	1	Mahfoud, R.J.; Alkayem, N.F.; Sun, Y.; Haes Alhelou, H.; Siano, P.; Parente, M. Improved Hybridization of Evolutionary Algorithms with a Sensitivity-Based Decision-Making Technique for the Optimal Planning of Shunt Capacitors in Radial Distribution Systems. Appl. Sci. 2020, 10, 1384.	ISI	1.25
50.	2	Rajput, S.; Amiel, I.; Sitbon, M.; Aharon, I.; Averbukh, M. Control the Voltage Instabilities of Distribution Lines using Capacitive Reactive Power. Energies 2020, 13, 875.	ISI	1.25

51.	3	Gil-González, W.; Molina-Cabrera, A.; Montoya, O.D.; Grisales-Noreña, L.F. An MI-SDP Model for Optimal Location and Sizing of Distributed Generators in DC Grids That Guarantees the Global Optimum. Appl. Sci. 2020, 10, 7681.	ISI	1.25
52.	4	Četković, D., Vlahinić, S., Franković, D., & Komen, V. Analysis of justification for using capacitor banks in distribution networks with low power demand. In 2020 43rd International Convention on Information, Communication and Electronic Technology (MIPRO) (pp. 923-927).	ISI	1.25
				5.0
		<b>Lucrarea citată</b>	<b>Nr. autori</b>	
	L18	Grigoras, G.; Neagu, B.-C. Smart Meter Data-Based Three-Stage Algorithm to Calculate Power and Energy Losses in Low Voltage Distribution Networks. Energies 2019, 12, 3008.	2	
		<b>Lucrarea care citează</b>	<b>Tip</b>	
53.	1	Vlasa, I.; Gligor, A.; Dumitru, C.-D.; Iantovics, L.B. Smart Metering Systems Optimization for Non-Technical Losses Reduction and Consumption Recording Operation Improvement in Electricity Sector. Sensors 2020, 20, 2947	ISI	2.5
				2.5
		<b>Lucrarea citată</b>	<b>Nr. autori</b>	6
	L19	<b>Gheorghe Grigoraș</b> , Mihai Gavrilas, Bogdan Neagu, Ovidiu Ivanov, Ion Trîstiu, Constantin Bulac, An Efficient Method to Optimal Phase Load Balancing in Low Voltage Distribution Network, 2019 International Conference on ENERGY and ENVIRONMENT (CIEM), Timisoara, Romania, 17-18 Octombrie, 2019	6	
		<b>Lucrarea care citează</b>	<b>Tip</b>	
54.	1	Bin Liu, Ke Meng, Zhao Yang Dong, Peter K.C. Wong, and Tian Ting, Unbalance Mitigation via Phase-switching Device and Static-Var Compensator in Low-voltage Distribution Network, IEEE TRANSACTIONS ON POWER SYSTEMS, May 2020, DOI: 10.1109/TPWRS.2020.2998144	ISI	0.83
55.	2	Liu, B., Meng, K., Dong, Z., Wong, P. K., & Li, X. (2020). Load Balancing in Low-voltage Distribution Network via Phase Reconfiguration: An Efficient Sensitivity-based Approach. IEEE Transactions on Power Delivery.	ISI	0.83
	3	Yon, K., Alvarez-Hérault, M. C., Raison, B., Khon, K., Vai, V., & Bun, L. (2021, June). Microgrids planning for rural electrification. In 2021 IEEE Madrid PowerTech (pp. 1-6). IEEE.	ISI	0.83
56.	4	Jimenez, V. A., Will, A. L., & Lizondo, D. F. (2021). Phase reassignment for load balance in low-voltage distribution networks. International Journal of Electrical Power & Energy Systems, 107691.	ISI	0.83
				3.32
		<b>Lucrarea citată</b>	<b>Nr. autori</b>	3
	L20	Florina Scarlatache, <b>Gheorghe Grigoraș</b> , Bogdan-Constantin Neagu, Romeo 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		
		<b>Lucrarea care citează</b>	<b>Tip</b>	
57.	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
		<b>Lucrarea citată</b>	<b>Nr. autori</b>	

	L21	Neagu, Bogdan Constantin, Gheorghe Grigoraș, and Ovidiu Ivanov. "The Optimal Operation of Active Distribution Networks with Smart Systems." Advanced Communication and Control Methods for Future Smartgrids. IntechOpen, 2019.	3	
		<b>Lucrarea care citează</b>	<b>Tip</b>	
58.	1	Saldaña-González, A. E., Sumper, A., Aragüés-Peñalba, M., & Smolnikar, M. (2020). Advanced Distribution Measurement Technologies and Data Applications for Smart Grids: A Review. Energies, 13(14), 3730.	ISI	1.66
59.	2	Q. Li, H. Tang, Z. Liu, J. Li, X. Xu and W. Sun, "Optimal Resource Allocation of 5G Machine-Type Communications for Situation Awareness in Active Distribution Networks," in IEEE Systems Journal, doi: 10.1109/JSYST.2021.3110502.	ISI	1.66
				3.32
		<b>Lucrarea citată</b>	<b>Nr. autori</b>	
	L22	Grigoraș, G.; Neagu, B.-C.; Gavrilas, M.; Triștiu, I.; Bulac, C. Optimal Phase Load Balancing in Low Voltage Distribution Networks Using a Smart Meter Data-Based Algorithm. Mathematics 2020, 8, 549.	5	
		<b>Lucrarea care citează</b>	<b>Tip</b>	
60.	1	Razo-Hernandez, J.R.; Urbina-Salas, I.; Tapia-Tinoco, G.; Amezcua-Sanchez, J.P.; Valtierra-Rodriguez, M.; Granados-Lieberman, D. Improved Performance of M-Class PMUs Based on a Magnitude Compensation Model for Wide Frequency Deviations. Mathematics 2020, 8, 1361.	ISI	1
61.	2	Alanis-Tamez, M. D., López-Martín, C., & Villuendas-Rey, Y. (2020). Particle Swarm Optimization for Predicting the Development Effort of Software Projects. Mathematics, 8(10), 1819.	ISI	1
	3	Antić, T.; Capuder, T.; Bolfek, M. A Comprehensive Analysis of the Voltage Unbalance Factor in PV and EV Rich Non-Synthetic Low Voltage Distribution Networks. Energies 2021, 14, 117.	ISI	1
62.	5	Cortés-Cacedo, B., Avellaneda-Gómez, L. S., Montoya, O. D., Alvarado-Barrios, L., & Álvarez-Arroyo, C. (2021). An Improved Crow Search Algorithm Applied to the Phase Swapping Problem in Asymmetric Distribution Systems. Symmetry, 13(8), 1329.	ISI	1
	6	Noroc, L., & Grigoras, G. (2020, October). Clustering-based consumers' selection to optimal placement of the phase load balancing devices. In 2020 International Conference and Exposition on Electrical And Power Engineering (EPE) (pp. 114-118). IEEE.	ISI	1
	7	Noroc, L., & Grigoras, G. (2020, June). Performance Assessment of the Hierarchical Clustering Methods in Classification of Electric Distribution Networks Considering Unbalance Degree. In 2020 12th International Conference on Electronics, Computers and Artificial Intelligence (ECAI) (pp. 1-4). IEEE.	ISI	1
63.	8	Alhמוד, L., Nawafleh, Q., & Merriji, W. (2021). Three-Phase Feeder Load Balancing Based Optimized Neural Network Using Smart Meters. Symmetry, 13(11), 2195.	ISI	1
				8
		<b>Lucrarea citată</b>	<b>Nr. autori</b>	
	L23	Bogdan Neagu, Gheorghe Grigoraș, Optimal Voltage Control in Power Distribution Networks Using an Adaptive On-Load Tap Changer Transformers Techniques, International Conference on Electromechanical and Energy Systems (SIEMEN), Chisinau, Republica Moldova, 9-11 Octombrie, 2019 (Scopus)	2	
		<b>Lucrarea care citează</b>	<b>Tip</b>	
64.	2	Elrayyah, A., Singh, N.K., Autonomous Control Strategy for Reliable OLTC Operation under PV Power Fluctuation with Effective Voltage Regulation, 2020 IEEE Energy Conversion Congress and Exposition (ECCE), Detroit, MI, USA, 2020.	ISI	2.5
65.	3	Kacejko, P.; Pijarski, P. Optimal Voltage Control in MV Network with Distributed Generation. Energies 2021, 14, 469. <a href="https://doi.org/10.3390/en14020469">https://doi.org/10.3390/en14020469</a>	ISI	2.5

				<b>5</b>
		<b>Lucrarea citată</b>	<b>Nr. autori</b>	<b>4</b>
	L25	Bogdan Neagu, Ovidiu Ivanov, <b>Gheorghe Grigoras</b> , Mihai Gavrilas, A New Vision on the Prosumers Energy Surplus Trading Considering Smart Peer-to-Peer Contracts. Mathematics, 2020, 8, 235.		
		<b>Lucrarea care citează</b>	<b>Tip</b>	
66.	1	Johanning, Simon, et al. "LabChain: an Interactive Prototype for Synthetic Peer-to-Peer Trade Research in Experimental Energy Economics." 2020 17th International Conference on the European Energy Market (EEM). IEEE, 2020.	ISI	1.25
67.	2	Sivarethnamohan R., Sujatha S. (2021) Unraveling the Potential of Artificial Intelligence-Driven Blockchain Technology in Environment Management. In: Manik G., Kalia S., Sahoo S.K., Sharma T.K., Verma O.P. (eds) Advances in Mechanical Engineering. Lecture Notes in Mechanical Engineering. Springer, Singapore. <a href="https://doi.org/10.1007/978-981-16-0942-8_66">https://doi.org/10.1007/978-981-16-0942-8_66</a>	ISI	1.25
68.	3	Li, X., Lu, M., Li, F., Xiong, W., & Li, Z. (2022). Prosumer energy-storage trading feasibility evaluation and price bundling. Energy, 239, 122163.	ISI	1.25
				<b>3.75</b>
		<b>Lucrarea citată</b>	<b>Nr. autori</b>	<b>2</b>
	L26	Neagu, B., Georgescu, G. (2012, May). The optimization of reactive power sources placement in public repartition and distribution systems for power quality improvement. In 2012 13th International Conference on Optimization of Electrical and Electronic Equipment (OPTIM) (pp. 200-207). IEEE.	2	
		<b>Lucrarea care citează</b>	<b>Tip</b>	
69.	1	Argatu, F. C., Brezoianu, V., Argatu, V. V., Enache, B. A., Adochiei, F. C., & Icleanu, T. (2019, September). Power quality analyzer for smart grid-smart home applications. In 2019 54th International Universities Power Engineering Conference (UPEC) (pp. 1-4). IEEE.	ISI	2.5
				<b>2.5</b>
		<b>Lucrarea citată</b>	<b>Nr. autori</b>	
	L27	Ovidiu Ivanov, Bogdan Neagu, Mihai Gavrilas, <b>Gheorghe Grigoras</b> , Calin-Viorel Sfintes, Phase Load Balancing in Low Voltage Distribution Networks Using Metaheuristic Algorithms, International Conference on Electromechanical and Energy Systems (SIELMEN), Chisinau, Republica Moldova, 9-11 Octombrie, 2019	5	
		<b>Lucrarea care citează</b>	<b>Tip</b>	
70.	1	Cortés-Caicedo, B.; Avellaneda-Gómez, L.S.; Montoya, O.D.; Alvarado-Barrios, L.; Chamorro, H.R. Application of the Vortex Search Algorithm to the Phase-Balancing Problem in Distribution Systems. Energies 2021, 14, 1282.	ISI	1
71.	2	Vai, V., Sim, S., Lorm, R., Suk, S., Eng, S., Chhlonh, C., & Bun, L. (2021, March). Optimal Design of LVAC Distribution System Topology for a Rural Village. In 2021 9th International Electrical Engineering Congress (iEECON) (pp. 93-96). IEEE.	ISI	1
72.	3	Yon, K., Alvarez-Herault, M. C., Raison, B., Khon, K., Vai, V., & Bun, L. (2021, June). Microgrids planning for rural electrification. In 2021 IEEE Madrid PowerTech (pp. 1-6). IEEE.	ISI	1
73.	4	Lin, W. C., Huang, W. T., Chih, H. C., Yao, K. C., Li, Z. T., & Ma, C. C. (2020, December). Comparisons of Energy Loss Reduction by Phase Balancing in Unbalance Distribution Networks via Metaheuristic Algorithms. In 2020 International Conference on Pervasive Artificial Intelligence (ICPAI) (pp. 229-233). IEEE.	ISI	1
74.	5	Alhmoud, L., Nawafleh, Q., & Merriji, W. (2021). Three-Phase Feeder Load Balancing Based Optimized Neural Network Using Smart Meters. Symmetry, 13(11), 2195.	ISI	1
75.	6	Jimenez, V. A., Will, A. L., & Lizondo, D. F. (2021). Phase reassignment for load balance in low-voltage distribution networks.	ISI	1

		International Journal of Electrical Power & Energy Systems, 107691.		
				6
		<b>Lucrarea citată</b>	<b>Nr. autori</b>	<b>5</b>
	L28	Bogdan Neagu.; Ovidiu Ivanov.; Gheorghe Grigoras, Mihai Gavrilaș; Marcel Istrate, New Market Model with Social and Commercial Tiers for Improved Prosumer Trading in Microgrids. Sustainability 2020, 12, 7265.		
		<b>Lucrarea care citează</b>	<b>Tip</b>	
76.	1	Jasiński, J.; Kozakiewicz, M.; Sołtysik, M. Determinants of Energy Cooperatives' Development in Rural Areas—Evidence from Poland. Energies 2021, 14, 319.	ISI	1
77.	2	Mucha-Kuś K, Sołtysik M, Zamasz K, Szczepańska-Woszczyna K. Coopetitive Nature of Energy Communities—The Energy Transition Context. Energies. 2021; 14(4):931	ISI	1
78.	3	Orejon-Sanchez RD, Andres-Diaz JR, Gago-Calderon A. Autonomous Photovoltaic LED Urban Street Lighting: Technical, Economic, and Social Viability Analysis Based on a Case Study. Sustainability. 2021; 13(21):11746. <a href="https://doi.org/10.3390/su132111746">https://doi.org/10.3390/su132111746</a>	ISI	1
79.	4	Strielkowski W, Civiñ L, Tarkhanova E, Tvaronavičienė M, Petrenko Y. Renewable Energy in the Sustainable Development of Electrical Power Sector: A Review. Energies. 2021; 14(24):8240. <a href="https://doi.org/10.3390/en14248240">https://doi.org/10.3390/en14248240</a>	ISI	1
80.	5	Casquijo M, Mataloto B, Ferreira JC, Monteiro V, Afonso JL, Afonso JA. Blockchain and Internet of Things for Electrical Energy Decentralization: A Review and System Architecture. Energies. 2021; 14(23):8043. <a href="https://doi.org/10.3390/en14238043">https://doi.org/10.3390/en14238043</a>	ISI	1
				5
		<b>Lucrarea citată</b>	<b>Nr. autori</b>	<b>6</b>
	L29	Ovidiu Ivanov, Samiran Chattopadhyay, Soumya Banerjee, Bogdan Neagu, Gheorghe Grigoras, Mihai Gavrilaș, A Novel Algorithm with Multiple Consumer Demand Response Priorities in Residential Unbalanced LV Electricity Distribution Networks, Mathematics, 2020, 8, 1220.		
		<b>Lucrarea care citează</b>	<b>Tip</b>	
81.		Bielecki S, Skoczkowski T, Sobczak L, Buchoski J, Maciąg Ł, Dukat P. Impact of the Lockdown during the COVID-19 Pandemic on Electricity Use by Residential Users. Energies. 2021; 14(4):980. <a href="https://doi.org/10.3390/en14040980">https://doi.org/10.3390/en14040980</a>	ISI	0.83
				0.83
		<b>Lucrarea citată</b>	<b>Nr. autori</b>	<b>2</b>
	L31	Bogdan Neagu, <b>Gheorghe Grigoraș</b> , Decision-Making Approach for Choosing of Electricity Supplier to Improve the Energy Efficiency, 2019 International Conference on ENERGY and ENVIRONMENT (CIEM), Timisoara, Romania, 17-18 Octombrie, 2019, Accession Number: WOS:000630902700072		
		<b>Lucrarea care citează</b>	<b>Tip</b>	
82.	1	Siliang Dong, Zhixin Zeng, Yining Liu, "FPETD: Fault-Tolerant and Privacy-Preserving Electricity Theft Detection", Wireless Communications and Mobile Computing, vol. 2021, Article ID 6650784, 11 pages, 2021. <a href="https://doi.org/10.1155/2021/6650784">https://doi.org/10.1155/2021/6650784</a>	ISI	2.5
				2.5
		<b>Lucrarea citată</b>	<b>Nr. autori</b>	<b>3</b>
	L32	Neagu, B., Georgescu, G., & Gusa, M. (2011). Load curves characteristics of consumers supplied from electricity repartition and distribution public systems. Buletinul Institutului Politehnic din Iasi Tomul LVII (LXI) Fasc, 1, 141-157.		
		<b>Lucrarea care citează</b>		
83.	1	Mihai, C., Ilea, D., & Mircea, P. M. (2016, May). Use of load profile curves for the energy market. In 2016 International	ISI	1.66

		Conference on Development and Application Systems (DAS) (pp. 63-70). IEEE.		
84.	2	Banerjee, A., Chattopadhyay, S., Gheorghe, G., & Gavrilas, M. (2019). Minimization of reliability indices and cost of power distribution systems in urban areas using an efficient hybrid meta-heuristic algorithm. <i>Soft Computing</i> , 23(4), 1257-1281.	ISI	1.66
85.	3	Liu, P., Yang, C., Wu, J., Fu, X., Huang, R., Huang, Y., & Fei, F. (2018, July). Hybrid Features based K-means Clustering Algorithm for use in Electricity Customer Load Pattern Analysis. In 2018 37th Chinese Control Conference (CCC) (pp. 8851-8857). IEEE.	ISI	1.66
86.	4	Mihai, C., Popa, C., & Mircea, P. M. (2016, September). Load profiling for gas stations using cluster techniques. In 2016 IEEE International Power Electronics and Motion Control Conference (PEMC) (pp. 1041-1048). IEEE.	ISI	1.66
87.	5	Banerjee, A., Chattopadhyay, S., Gavrilas, M., & Grigoras, G. (2021). Optimization and estimation of reliability indices and cost of Power Distribution System of an urban area by a noble fuzzy-hybrid algorithm. <i>Applied Soft Computing</i> , 107078.	ISI	1.66
				8.30
		<b>Lucrarea citată</b>	<b>Nr. autori</b>	<b>3</b>
	L33	Neagu, B. C., Ivanov, O., & Gavrilas, M. (2017, June). Voltage profile improvement in distribution networks using the whale optimization algorithm. In 2017 9th International Conference on Electronics, Computers and Artificial Intelligence (ECAI) (pp. 1-6). IEEE.		
		<b>Lucrarea care citează</b>		
88.	1	Gharehchopogh, F. S., & Gholizadeh, H. (2019). A comprehensive survey: Whale Optimization Algorithm and its applications. <i>Swarm and Evolutionary Computation</i> , 48, 1-24.	ISI	1.66
	2	Forcan, M., & Maksimović, M. (2020). Cloud-fog-based approach for smart grid monitoring. <i>Simulation Modelling Practice and Theory</i> , 101, 101988.	ISI	1.66
	3	Sayed, G. I., Darwish, A., & Hassanien, A. E. (2020). Binary Whale Optimization Algorithm and Binary Moth Flame Optimization with Clustering Algorithms for Clinical Breast Cancer Diagnoses. <i>Journal of Classification</i> , 37(1).	ISI	1.66
89.	4	Rana, N., Abd Latiff, M. S., & Chiroma, H. (2020). Whale optimization algorithm: a systematic review of contemporary applications, modifications and developments. <i>Neural Computing and Applications</i> , 1-33.	ISI	1.66
	5	Vysocky, J., & Misak, S. (2020). Review of trends and targets of complex systems for power system optimization. <i>Energies</i> , 13(5), 1079.	ISI	1.66
90.	6	Ang, S., Leeton, U., Kulworawanichpong, T., & Chayakulkeeree, K. (2018). Multi-Objective real power loss and voltage deviation minimization for grid connected micro power system using whale optimization algorithm. <i>International Energy Journal</i> , 18(3).	ISI	1.66
				9.96
		<b>Lucrarea citată</b>	<b>Nr. autori</b>	<b>3</b>
	L34	Ivanov, O., Neagu, B. C., & Gavrilas, M. (2017, June). A parallel PSO approach for optimal capacitor placement in electricity distribution networks. In 2017 International Conference on Modern Power Systems (MPS) (pp. 1-5). IEEE.		
		<b>Lucrarea care citează</b>		
91.	1	Gonzalo, G., Aguila, A., González, D., & Ortiz, L. (2020). Optimum location and sizing of capacitor banks using VOLT VAR compensation in micro-grids. <i>IEEE Latin America Transactions</i> , 18(03), 465-472.	ISI	1.66
	2	Li, J. Y., Zhan, Z. H., Liu, R. D., Wang, C., Kwong, S., & Zhang, J. (2020). Generation-level parallelism for evolutionary computation: a pipeline-based parallel particle swarm optimization. <i>IEEE Transactions on Cybernetics</i> .	ISI	1.66
	4	Téllez, A. A. (2020). Ubicación y dimensionamiento óptimo de bancos de capacitores usando compensación VOLT-VAR en	ISI	1.66

		Microredes. IEEE Latin America Transactions, 18(3), 465-472.		
92.	6	Orengue, R., Maina, M. C., & Nyakoe, G. N. (2018, June). Optimal Sizing and Placement of Solar Photovoltaic Based DGs in the IEEE 9 Bus System Using Particle Swarm Optimization Algorithm. In 2018 IEEE PES/IAS PowerAfrica (pp. 1-6). IEEE.	ISI	1.66
93.	7	Boonserm, P., & Sitjongsataporn, S. (2018, March). Parallel DEPSO-Scout: Data Parallelism. In 2018 International Electrical Engineering Congress (iEECON) (pp. 1-4). IEEE.	ISI	1.66
				8.3
		<b>Lucrarea citată</b>	<b>Nr. autori</b>	<b>3</b>
	L35	Neagu, B. C., Ivanov, O., & Georgescu, G. (2016, October). Reactive power compensation in distribution networks using the bat algorithm. In 2016 International Conference and Exposition on Electrical and Power Engineering (EPE) (pp. 711-714). IEEE.		
		<b>Lucrarea care citează</b>		
94.	1	Xie, J., Chen, C., & Long, H. (2021). A Loss Reduction Optimization Method for Distribution Network Based on Combined Power Loss Reduction Strategy. Complexity, 2021.	ISI	1.66
95.	2	Wang, M., Yi, H., Yang, Z., Tao, R., Liu, X., Zhuo, F., & Hu, X. Comprehensive Control of Voltage Quality in Distribution Network based on Reactive Power Optimization. In 2020 IEEE 9th International Power Electronics and Motion Control Conference (IPEMC2020-ECCE Asia) (pp. 2849-2853). IEEE.	ISI	1.66
96.	3	Kala, P., Joshi, P., Joshi, M., Agarwal, S., & Yadav, L. K. (2021). Tackling Power Quality Issues Using Metaheuristics. In Metaheuristic and Evolutionary Computation: Algorithms and Applications (pp. 63-85). Springer, Singapore.	ISI	1.66
				5
		<b>Lucrarea citată</b>	<b>Nr. autori</b>	<b>3</b>
	L36	Ivanov, O., Gavrilas, M., & Neagu, B. (2014, May). Intelligent monitoring and control in transmission and distribution networks. In 2014 International Conference on Optimization of Electrical and Electronic Equipment (OPTIM) (pp. 185-191). IEEE.		
		<b>Lucrarea care citează</b>		
97.	1	Ali, S. M., Jawad, M., Khan, B., Mehmood, C. A., Zeb, N., Tanoli, A., ... & Khan, S. U. (2016). Wide area smart grid architectural model and control: A survey. Renewable and Sustainable Energy Reviews, 64, 311-328.	ISI	1.66
98.	2	Forcan, M., & Maksimović, M. (2020). Cloud-fog-based approach for smart grid monitoring. Simulation Modelling Practice and Theory, 101, 101988.	ISI	1.66
	3	Kong, P. Y. (2019). Optimal configuration of interdependence between communication network and power grid. IEEE Transactions on Industrial Informatics, 15(7), 4054-4065.	ISI	1.66
	4	Fainti, R., Alamaniotis, M., & Tsoukalas, L. H. (2016, July). Three-phase congestion prediction utilizing artificial neural networks. In 2016 7th International Conference on Information, Intelligence, Systems & Applications (IISA) (pp. 1-5). IEEE.	ISI	1.66
99.	6	Pertl, M., Douglass, P. J., Heussen, K., & Kok, K. (2018). Validation of a robust neural real-time voltage estimator for active distribution grids on field data. Electric Power Systems Research, 154, 182-192.	ISI	1.66
100.	8	Fainti, R., Alamaniotis, M., & Tsoukalas, L. H. (2017, September). Three-phase line overloading predictive monitoring utilizing artificial neural networks. In 2017 19th International Conference on Intelligent System Application to Power Systems (ISAP) (pp. 1-6). IEEE.	ISI	1.66
				9.96
		<b>Lucrarea citată</b>	<b>Nr. autori</b>	<b>3</b>
	L37	Neagu, B. C., Georgescu, G., & Elges, A. (2012, October). Monitoring system of electric energy consumption to users. In 2012		

		International Conference and Exposition on Electrical and Power Engineering (pp. 265-270). IEEE.		
		<b>Lucrarea care citează</b>		
	1	Rasool, G., Ehsan, F., & Shahbaz, M. (2015). A systematic literature review on electricity management systems. Renewable and sustainable energy reviews, 49, 975-989.	ISI	1.66
	2	Liu, R., & Tan, X. J. (2015, April). A Quota-Based Energy Consumption Management Method for Organizations Using Nash Bargaining Solution. In International Conference on Database Systems for Advanced Applications (pp. 98-108). Springer, Cham.	ISI	1.66
				3.32
		<b>Lucrarea citată</b>	<b>Nr. autori</b>	<b>4</b>
	L38	Toma, N., Ivanov, O., Neagu, B., & Gavrilă, M. (2018, October). A PSO algorithm for phase load balancing in low voltage distribution networks. In 2018 International Conference and Exposition on Electrical And Power Engineering (EPE) (pp. 0857-0862). IEEE.		
		<b>Lucrarea care citează</b>		
	1	Cortés-Cañedo, B., Avellaneda-Gómez, L. S., Montoya, O. D., Alvarado-Barrios, L., & Chamorro, H. R. (2021). Application of the Vortex Search Algorithm to the Phase-Balancing Problem in Distribution Systems. Energies, 14(5), 1282.	ISI	1.5
	2	Montoya, O. D., Arias-Londoño, A., Grisales-Noreña, L. F., Barrios, J. A., & Chamorro, H. R. (2021). Optimal Demand Reconfiguration in Three-Phase Distribution Grids Using an MI-Convex Model. Symmetry, 13(7), 1124.	ISI	1.5
	3	Syrek, P., Skowron, M., & Ciesla, A. (2019, March). Multiphase System of Coils as Illustrated by Magnetotherapy. In 2019 11th International Symposium on Advanced Topics in Electrical Engineering (ATEE) (pp. 1-4). IEEE.	ISI	1.5
	4	Homaee, O., Mirzaei, M. J., Najafi, A., Leonowicz, Z., & Jasinski, M. (2022). A practical probabilistic approach for load balancing in data-scarce LV distribution systems using discrete PSO and 2 m+ 1 PEM. International Journal of Electrical Power & Energy Systems, 135, 107530.	ISI	1.5
101.	5	Yon, K., Alvarez-Hérault, M. C., Raison, B., Khon, K., Vai, V., & Bun, L. (2021, June). Microgrids planning for rural electrification. In 2021 IEEE Madrid PowerTech (pp. 1-6). IEEE.	ISI	1.5
102.	6	Montoya, O. D., Molina-Cabrera, A., Grisales-Noreña, L. F., Hincapié, R. A., & Granada, M. (2021). Improved Genetic Algorithm for Phase-Balancing in Three-Phase Distribution Networks: A Master-Slave Optimization Approach. Computation, 9(6), 67.	ISI	1.5
103.	7	Jimenez, V. A., Will, A. L., & Lizondo, D. F. (2021). Phase reassignment for load balance in low-voltage distribution networks. International Journal of Electrical Power & Energy Systems, 107691.	ISI	1.5
				10.5
		<b>Lucrarea citată</b>	<b>Nr. autori</b>	<b>3</b>
	L39	Matei, G. G., Neagu, B. C., & Gavrilă, M. (2018, June). Optimal Voltage Control Based on a Modified Line Drop Compensation Method in Distribution Systems. In 2018 IEEE International Conference on Environment and Electrical Engineering and 2018 IEEE Industrial and Commercial Power Systems Europe (EEEIC/I&CPS Europe) (pp. 1-6). IEEE.		
		<b>Lucrarea care citează</b>		
104.	1	Stanelyte, D., & Radziukynas, V. (2020). Review of voltage and reactive power control algorithms in electrical distribution networks. Energies, 13(1), 58.	ISI	1.66
105.	2	Pappalardo, D., Calderaro, V., Galdi, V., & Piccolo, A. (2019). Pilot Nodes Searching for Voltage Regulation in Distribution Systems by OLTC. In 2019 IEEE PES Innovative Smart Grid Technologies Europe (ISGT-Europe) (pp. 1-5). IEEE.	ISI	1.66

106.	3	Lubo-Matallana, U. D., Zorroza, M. Á., & Miñambres, J. F. (2021). Linear Sensitivity Modelling Useful for Voltage Control Analysis Using Power Injections from DER. <i>Energies</i> , 14(16), 4749.	ISI	1.66
	4	Pappalardo, D., Calderaro, V., Galdi, V., & Piccolo, A. (2019). Selection of Pilot Nodes for Fuzzy Voltage Regulation in Distribution Systems. In 2019 9th International Conference on Power and Energy Systems (ICPES) (pp. 1-5). IEEE.	ISI	1.66
				6.64
		<b>Lucrarea citată</b>	<b>Nr. autori</b>	<b>3</b>
	L40	Neagu, B. C., Georgescu, G., & Ivanov, O. (2016, October). The impact of harmonic current flow on additional power losses in low voltage distribution networks. In 2016 International Conference and Exposition on Electrical and Power Engineering (EPE) (pp. 719-722). IEEE.		
		<b>Lucrarea care citează</b>		
	1	Kalair, A., Abas, N., Kalair, A. R., Saleem, Z., & Khan, N. (2017). Review of harmonic analysis, modeling and mitigation techniques. <i>Renewable and Sustainable Energy Reviews</i> , 78, 1152-1187.	ISI	1.66
107.	3	Muchtar, A., & Muttaqin, W. M. (2019, March). Comparison between single tuned filter and c-type filter performance on the electric power distribution network. In <i>Journal of Physics: Conference Series</i> (Vol. 1175, No. 1, p. 012127). IOP Publishing.	ISI	1.66
				3.32
		<b>Lucrarea citată</b>	<b>Nr. autori</b>	<b>2</b>
	L41	Neagu, B. C., & Georgescu, G. (2014, October). Aspects regarding the monitoring possibilities and steady-state analysis of electric energy repartition networks. In 2014 International Conference and Exposition on Electrical and Power Engineering (EPE) (pp. 1000-1003). IEEE.		
		<b>Lucrarea care citează</b>		
108.	1	Kharlov, N. N., Borovikov, V. S., Ushakov, V. Y., Tarasov, E. V., & Bulyga, L. L. (2016, September). Calculation of steady non-sinusoidal modes and electric power losses in complex electrical networks. In 2016 IEEE International Power Electronics and Motion Control Conference (PEMC) (pp. 336-341). IEEE.	ISI	2.5
109.	2	Viorel, R. A., & Lucache, D. D. (2018, October). Economic Advantages in Proper Balancing of Phases in Street Lighting Design. In 2018 International Conference and Exposition on Electrical And Power Engineering (EPE) (pp. 0953-0957). IEEE.	ISI	2.5
				5
		<b>Lucrarea citată</b>	<b>Nr. autori</b>	<b>3</b>
	L42	Neagu, B. C., Ivanov, O., & Gavrilaș, M. (2017, October). A comprehensive solution for optimal capacitor allocation problem in real distribution networks. In 2017 International Conference on Electromechanical and Power Systems (SIELMEN) (pp. 565-570).		
		<b>Lucrarea care citează</b>		
110.		Li, J., & Tan, Y. (2019). A comprehensive review of the fireworks algorithm. <i>ACM Computing Surveys (CSUR)</i> , 52(6), 1-28.	ISI	1.66
111.		Tan, Y. (2020). Recent Developments of Fireworks Algorithms. In <i>Handbook of Research on Fireworks Algorithms and Swarm Intelligence</i> (pp. 1-41). IGI Global.	ISI	1.66
				3.32
		<b>Lucrarea citată</b>	<b>Nr. autori</b>	<b>7</b>
	L44	Seritan, G. C., Enache, B. A., Grigorescu, S. D., Paturca, S. V., Cepisca, C., Vita, V., ... & Ghiculescu, D. (2019). Improvement of Teaching Activities In Higher Education: A Case Study. <i>REVUE ROUMAINE DES SCIENCES TECHNIQUES-SERIE ELECTROTECHNIQUE ET ENERGETIQUE</i> , 64(2), 169-172.		

		<b>Lucrarea care citează</b>		
112.	1	Olteanu, A., Pietraru, R. N., Olarescu, S. M., & Moalfa, M. (2021). Innovations In The Educational Process In Technical Universities Based On An Ontology For Interactive Teaching System. Revue Roumaine Des Sciences Techniques-Serie Electrotechnique Et Energetique, 66(1), 53-58.	ISI	<b>0.55</b>
113.	2	Enache, B. A., Grigorescu, S. D., Adochiei, I. R., Eanche, C. D., Voiculescu, D. I., Argatu, V., ... & Stoica, C. (2020, June). Didactic Implementation of a Real-Time Biomonitoring Platform. In 2020 12th International Conference on Electronics, Computers and Artificial Intelligence (ECAI) (pp. 1-4). IEEE.	ISI	<b>0.55</b>
				<b>1.1</b>
		<b>Lucrarea citată</b>	<b>Nr. autori</b>	<b>4</b>
	L44	Gavrilaș, M., Neagu, B. C., Pentiuc, R. D., & Hopulele, E. (2018, October). Overview on Distributed Generation Integration in Distribution Systems. In 2018 International Conference and Exposition on Electrical And Power Engineering (EPE) (pp.1063-1069). IEEE.		
		<b>Lucrarea care citează</b>		
114.	1	Bobric, E. C., & Irimia, D. (2019, October). Load Profile Identification using Independent Component Analysis. In 2019 International Conference on Electromechanical and Energy Systems (SIELMEN) (pp. 1-4). IEEE.	ISI	<b>1.25</b>
				<b>1.25</b>
		<b>Lucrarea citată</b>	<b>Nr. autori</b>	<b>4</b>
	L45	V. Dandea, G. Grigoras, B. -C. Neagu and F. Scarlatache, "K-means Clustering-based Data Mining Methodology to Discover the Prosumers' Energy Features," 2021 12th International Symposium on Advanced Topics in Electrical Engineering (ATEE), 2021, pp. 1-5, doi: 10.1109/ATEE52255.2021.9425237.		
		<b>Lucrarea care citează</b>		
115.	1	Aksan, F., Jasiński, M., Sikorski, T., Kaczorowska, D., Rezmer, J., Suresh, V., & Janik, P. (2021). Clustering Methods for Power Quality Measurements in Virtual Power Plant. Energies, 14(18), 5902.	ISI	<b>1.25</b>
				<b>1.25</b>
		<b>Lucrarea citată</b>		
		Ivanov, O., Neagu, B. C., Grigoras, G., Scarlatache, F., & Gavrilaș, M. (2021). A Metaheuristic Algorithm for Flexible Energy Storage Management in Residential Electricity Distribution Grids. Mathematics, 9(19), 2375.		
		<b>Lucrarea care citează</b>		
116.	1	Nadimi-Shahraki, M. H., Fatahi, A., Zamani, H., Mirjalili, S., & Abualigah, L. (2021). An Improved Moth-Flame Optimization Algorithm with Adaptation Mechanism to Solve Numerical and Mechanical Engineering Problems. Entropy, 23(12), 1637.	ISI	<b>1.25</b>
				<b>1.25</b>
		<b>Lucrarea citată</b>		
		Ivanov, O., Neagu, B. C., Grigoras, G., Scarlatache, F., & Gavrilaș, M. (2021). A Metaheuristic Algorithm for Flexible Energy Storage Management in Residential Electricity Distribution Grids. Mathematics, 9(19), 2375.		
		<b>Lucrarea care citează</b>		
117.	1	Aksan, F., Jasiński, M., Sikorski, T., Kaczorowska, D., Rezmer, J., Suresh, V., ... & Janik, P. (2021). Clustering Methods for Power Quality Measurements in Virtual Power Plant. Energies, 14(18), 5902.	ISI	<b>1.25</b>
				<b>1.25</b>
			<b>TOTAL</b>	<b>207.9</b>

### 3.2 Citări în reviste și volumele conferințelor indexate BDI

Nr. crt.	Nr. citari	Lucrarea citată	Nr. autori	
	L1	Neagu, B. C., & Georgescu, G. (2014, October). Wind farm cable route optimization using a simple approach. In 2014 International Conference and Exposition on Electrical and Power Engineering (EPE) (pp. 1004-1009). IEEE.	2	
		<b>Lucrarea care citează</b>	Tip	<b>Punctaj</b>
1.	5	Srikakulapu, R., & Vinatha, U. (2018, January). Combined approach based on ACO with MTSP for optimal internal electrical system design of large offshore wind farm. In 2018 International Conference on Power, Instrumentation, Control and Computing (PICC) (pp. 1-6). IEEE.	BDI	1.5
2.	6	Rentschler, M. U., Adam, F., Chainho, P., Krügel, K., & Vicente, P. C. (2020). Parametric study of dynamic inter-array cable systems for floating offshore wind turbines. <i>Marine Systems &amp; Ocean Technology</i> , 15(1), 16-25.	BDI	1.5
3.	8	Stampa, D. (2018). Verkabelung von Windfarmen auf Bäumen. Bachelor thesis, Karlsruhe Institute of Technology.	BDI	1.5
4.	9	Villacres, F., & Inga, E. (2019). Planeación y dimensionamiento de redes eléctricas de distribución soterrada mediante un método metaheurístico. <i>Ingeniería y Ciencia</i> , 15(30), 141-166.	BDI	1.5
5.	10	Toapanta Merino, J. D. (2019). Ubicación óptima de RMU´ S en redes eléctricas soterradas de distribución radial usando técnicas heurísticas (Bachelor's thesis).	BDI	1.5
6.	11	Villacres Quishpe, F. J. (2018). Óptimo despliegue de redes de distribución eléctrica soterrada basado en técnicas heurísticas y simulación (Bachelor's thesis).	BDI	1.5
				<b>9</b>
		<b>Lucrarea citată</b>	<b>Nr. autori</b>	
	L2	Vicol, B., Gavrilas, M., Ivanov, O., Neagu, B., & Grigoras, G. (2014, May). Synchrophasor measurement method for overhead line parameters estimation in MV distribution networks. In Harmonics and Quality of Power (ICHQP), 2014 IEEE 16th International Conference on (pp. 862-865). IEEE.	5	
		<b>Lucrarea care citează</b>	Tip	<b>Punctaj</b>
7.	1	Zelenskii, E. G., Kononov, Y. G., & Levchenko, I. I. (2016). Identification of the parameters of distribution networks by synchronized current and voltage measurements. <i>Russian Electrical Engineering</i> , 87(7), 363-368. (Springer)	BDI	0.6
8.	2	Chishti, S. O. A., Naseem, S. A., Uddin, R., Saleem, M. H., & Naseem, S. W. Intelligent Control System to Identify Fault in Distribution Network of Smart Grid through Neural Network, 2019 4th International Electrical Engineering Conference (IEEC 2019), Jan, 2019 at IEP Centre, Karachi, Pakista.	BDI	0.6
				<b>1.2</b>
		<b>Lucrarea citată</b>	<b>Nr. autori</b>	
	L5	Neagu, B. C., Grigoraș, G., Scarlatache, F. (2017, March). Outliers discovery from Smart Meters data using a statistical based data mining approach. In <i>Advanced Topics in Electrical Engineering 2017 10th International Symposium on</i> (pp. 555-558).	<b>3</b>	
		<b>Lucrarea care citează</b>	Tip	<b>Punctaj</b>
9.	5	Fangwei NING, Yan SHI, Yishu CAI, Weiqing XU. Research and application progress of data mining technology in electric power system. <i>Journal of Advanced Manufacturing Science and Technology</i>	BDI	1
				<b>1</b>

		<b>Lucrarea citată</b>	<b>Nr. autori</b>	
	L6	Grigoraş, G., Neagu, B. C., & Scarlatache, F. (2016, June). Estimation of energy losses in distribution transformers using a fuzzy approach. In <i>Fundamentals of Electrical Engineering (ISFEE), 2016 International Symposium on</i> (pp. 1-6). IEEE.	3	
		<b>Lucrarea care citează</b>	Tip	<b>Punctaj</b>
10.	1	Sureshkumar, R., & Maithili, P. Three Phase Load Balancing and Energy Loss Reduction in Distribution Network Using Labiew (2017), <i>International Journal of Pure and Applied Mathematics</i> , 116 (11), 181-189, ISSN: 1311-8080 (SCOPUS)	BDI	1
				1
		<b>Lucrarea citată</b>	<b>Nr. autori</b>	
	L7	Grigoras, G., Neagu, B. C., Scarlatache, F., & Ciobanu, R. C., Identification of pilot nodes for secondary voltage control using K-means clustering algorithm. In <i>Industrial Electronics (ISIE), 2017 IEEE 26th International Symposium on</i> , pp. 106-110, 2017	4	
		<b>Lucrarea care citează</b>		
11.	1	Lopera-Mazo, E. H., & Espinosa, J., Secondary voltage regulation based on average voltage control. <i>Tecnológicas</i> , vol. 21, no. 42, pp. 63-78, 2018.	BDI	0.75
12.	5	Babu, G. Y., & Sarkar, V. (2019, December). A Case Study on Clustering Methods Applied to Identification of Generator Coherency for Controlled Islanding. In <i>2019 8th International Conference on Power Systems (ICPS)</i> (pp. 1-6). IEEE.	BDI	0.75
13.	6	Бацева, Н. Л., & Сухоруков, В. А. (2020). Алгоритм поиска адаптивной траектории утяжеления для энергосистем большой размерности. <i>Вестник Иркутского государственного технического университета</i> , 24(3 (152)).	BDI	0.75
14.	7	Iqbal, T. (2017). Secondary Voltage Control using Singular Value Decomposition by Discovering Community Structures in Power Networks. West Virginia University.	BDI	0.75
15.	8	Lopera-Mazo, E. H., & Espinosa, J. (2018). Regulación secundaria de voltaje basada en el control del voltaje promedio. <i>Tecnológicas</i> .	BDI	0.75
				3.75
		<b>Lucrarea citată</b>	<b>Nr. autori</b>	
	L8	Florina Scarlatache, <b>Gheorghe Grigoraş</b> , Bogdan-Constantin Neagu, Cristina Schreiner, Romeo 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	5	
		<b>Lucrarea care citează</b>		
16.	1	Adachi, T., & Yachi, T. (2018, December). Dependence of Electrical Power Leveling Characteristics on Battery Discharge Rate in a Microgrid. In <i>2018 International Conference on Smart Grid (icSmartGrid)</i> (pp. 23-27). IEEE.	BDI	0.6
				0.6
		<b>Lucrarea citată</b>	<b>Nr. autori</b>	
17.	L9	Bogdan-Constantin Neagu, <b>Gheorghe Grigoraş</b> , Florina Scarlatache, Cristina Schreiner, Romeo 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	5	
		<b>Lucrarea care citează</b>		
18.	1	Qi, J., Xiao, B., & Chen, Y. (2018, July). I-CFSFDP: A Robust and High Accuracy Clustering Method Based on CFSFDP. In <i>2018 37th Chinese Control Conference (CCC)</i> (pp. 9124-9129). IEEE.	BDI	0.6
19.	3.	Trittenbach, H., Bach, J., & Böhm, K. Understanding the effects of temporal energy-data aggregation on clustering quality. <i>it-Information Technology</i> , , Volume 61, Issue 2-3, Pages 111–123.	BDI	0.6

20.	5	Ávila Martínez, G. E. (2017). Medición y monitoreo en tiempo real y análisis de datos del consumo energético en la Biblioteca de la USFQ (Bachelor's thesis, Quito).	BDI	0.6
				1.8
		<b>Lucrarea citată</b>	<b>Nr. autori</b>	
	L12	Bogdan-Constantin Neagu, <b>Gheorghe Grigoraș</b> , Florina Scarlatache, <i>The influence of harmonics on power losses in urban distribution networks</i> , 16 International Symposium on Fundamentals of Electrical Engineering (ISFEE), București, Romania, 2016.	3	
		<b>Lucrarea care citează</b>		
21.	3	Xavier, T. F., & Wenping, Q. I. N. (2019). Analysis and Design of a Passively Damping LCL Filter in Three-Phase Converters. International Journal of Advanced Engineering Research and Science, 6(11).	BDI	1
	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. Jurnal Nasional Teknik Elektro dan Teknologi Informasi, 10(1), 100-109.	BDI	1
22.	10	Reisa, A. F., Indra, N., & Mirza, Z. (2020). Analysis Of The Harmonic Impact Generated By Variabel Frequency Drive On Power Quality And Losses At Coal Mill Area Substation 448 Indarung 5 Pt. Semen Padang (Doctoral dissertation, Universitas Bung Hatta).	BDI	1
				3
		<b>Lucrarea citată</b>	<b>Nr. autori</b>	
	L13	Neagu, B. C., Grigoraș, G., & Ivanov, O. (2019, May). An Efficient Peer-to-Peer Based Blockchain Approach for Prosumers Energy Trading in Microgrids. In 2019 8th International Conference on Modern Power Systems (MPS) (pp. 1-4). IEEE.	3	
		<b>Lucrarea care citează</b>		
23.	6	Mnatsakanyan, A., Albeshr, H., Al Marzooqi, A., & Bilbao, E. (2020, September). Blockchain-Integrated Virtual Power Plant Demonstration. In 2020 2nd IEEE International Conference on Smart Power & Internet Energy Systems (SPIES) (pp. 172-175)	BDI	1
24.	10	Arjomand, N., Ullah, H. S., & Aslam, S. (2020). A Review of Blockchain-based Smart Grid: Applications, Opportunities, and Future Directions. arXiv preprint arXiv:2002.05650.	BDI	1
				2
		<b>Lucrarea citată</b>	<b>Nr. autori</b>	
	L14	Bogdan-Constantin Neagu, <b>Gheorghe Grigoraș</b> , 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	
		<b>Lucrarea care citează</b>		
25.	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
				1
		<b>Lucrarea citată</b>	<b>Nr. autori</b>	
	L16	Ivanov, Ovidiu, Gheorghe Grigoraș, and Bogdan Constantin Neagu. "Smart Metering based Approaches to Solve the Load Phase Balancing Problem in Low Voltage Distribution Networks." 2018 International Symposium on Fundamentals of Electrical Engineering (ISFEE). IEEE, 2018.	3	
		<b>Lucrarea care citează</b>	<b>Tip</b>	
26.	1	Vai, V., & Bun, L. Study on the Impact of Integrated PV Uncertainties into an Optimal LVAC Topology in a Rural Village, ASEAN	BDI	1

		Engineering Journal, Vol 10, No 1, 2020, pp. 79 – 92.		
				<b>1</b>
		<b>Lucrarea citată</b>	<b>Nr. autori</b>	
	L17	Neagu, B. C., Gavrilas, M., Grigoras, G., & Ivanov, O. (2019, October). Voltage Control in Microgrids in the Presence of Small-Scale Renewable Energy Source. In 2019 International Conference on Electromechanical and Energy Systems (SIELMEN) (pp. 1-4).	<b>4</b>	
		<b>Lucrarea care citează</b>	<b>Tip</b>	
27.	1	KUMAR, P. S., & RAJDHAN, R. (2019). A OVERALL SURVEY REGARDING CLOUD COMPUTING SECURITY CHALLENGES FROM TIME TO TIME. Journal on Recent Innovation in Cloud Computing, Virtualization & Web Applications [ISSN: 2581-544X (online)], 2(2).	<b>BDI</b>	<b>0.6</b>
28.	2	Hallur, S., Kulkarni, R., Patavardhan, P. P., & Aithal, V. (2021). Integration Strategies, Challenges, and Merits of Renewable Resources in Electric Vehicles. In Electric Vehicles and the Future of Energy Efficient Transportation (pp. 75-103). IGI Global.	<b>BDI</b>	<b>0.6</b>
				<b>1.2</b>
		<b>Lucrarea citată</b>	<b>Nr. autori</b>	
	L18	Grigoras, G.; Neagu, B.-C. Smart Meter Data-Based Three-Stage Algorithm to Calculate Power and Energy Losses in Low Voltage Distribution Networks. Energies 2019, 12, 3008.	<b>2</b>	
		<b>Lucrarea care citează</b>	<b>Tip</b>	
29.	2	Ma. del Rosario Martinez-Blanco, Julio Cesar Soriano-Romero, Arturo Serrano-Muñoz, Miguel Hernan Escobedo-Barajas, Antonio del Rio de Santiago, Hector Alonso Guerrero, Osuna and Jose Manuel Ortiz-Rodriguez, IoT Based Smart Electrical Meter for Smart Homes, EAI Endorsed Transactions on Internet of Things, vol. 6, no. 21, DOI: eai.13-7-2018.165672	<b>BDI</b>	<b>1.5</b>
				<b>1.5</b>
		<b>Lucrarea citată</b>	<b>Nr. autori</b>	
	L22	Grigoraș, G.; Neagu, B.-C.; Gavrițaș, M.; Triștiu, I.; Bulac, C. Optimal Phase Load Balancing in Low Voltage Distribution Networks Using a Smart Meter Data-Based Algorithm. Mathematics 2020, 8, 549.	<b>5</b>	
		<b>Lucrarea care citează</b>	<b>Tip</b>	
30.	1	Montoya, Oscar D.; Molina-Cabrera, Alexander; Grisales-Noreña, Luis F.; Hincapié, Ricardo A.; Granada, Mauricio. 2021. "Improved Genetic Algorithm for Phase-Balancing in Three-Phase Distribution Networks: A Master-Slave Optimization Approach" Computation 9, no. 6: 67. <a href="https://doi.org/10.3390/computation9060067">https://doi.org/10.3390/computation9060067</a>	<b>BDI</b>	<b>0.6</b>
				<b>0.6</b>
		<b>Lucrarea citată</b>	<b>Nr. autori</b>	
	L23	Bogdan Neagu, Gheorghe Grigoraș, Optimal Voltage Control in Power Distribution Networks Using an Adaptive On-Load Tap Changer Transformers Techniques, International Conference on Electromechanical and Energy Systems (SIELMEN), Chisinau, Republica Moldova, 9-11 Octombrie, 2019 (Scopus)	<b>2</b>	
		<b>Lucrarea care citează</b>	<b>Tip</b>	
31.	1	Sangeerthana, R., & Priyadharsini, S. (2020). Controlling of Power Transformer Tap Positions (OLTC) Using Facts Devices. Perspectives in Communication, Embedded-systems and Signal-processing-PiCES, 255-266.	<b>BDI</b>	<b>1.5</b>
				<b>1.5</b>
		<b>Lucrarea citată</b>	<b>Nr. autori</b>	<b>3</b>

	L24	Florina Scarlatache, <b>Gheorghe Grigoraș</b> , Bogdan-Constantin 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		
		<b>Lucrarea care citează</b>	<b>Tip</b>	
32.	1	Arunagirinathan, P., & Venayagamoorthy, G. K. (2020, July). Situational Awareness of Power System Stabilizers' Performance in Energy Control Centers. In 2020 IEEE International Conference on Fuzzy Systems (FUZZ-IEEE) (pp. 1-8). IEEE.	BDI	1
				1
		<b>Lucrarea citată</b>	<b>Nr. autori</b>	<b>4</b>
	L25	Bogdan Neagu, Ovidiu Ivanov, <b>Gheorghe Grigoras</b> , Mihai Gavrilas, A New Vision on the Prosumers Energy Surplus Trading Considering Smart Peer-to-Peer Contracts. Mathematics, 2020, 8, 235.		
		<b>Lucrarea care citează</b>	<b>Tip</b>	
33.	1	Malik, S., Duffy, M., Thakur, S., Hayes, B., & Breslin, J. G. Cooperative Game Theory Based Peer to Peer Energy Trading Algorithm, MedPower 2020, Cipru, 9 – 12 Noiembrie, 2020.	BDI	0.66
34.	2	Sen, D., & Ghosh, A. (2020). Design of Incentive Mechanisms Using Prospect Theory to Promote Better Sell-back Behavior among Prosumers. arXiv preprint arXiv:2011.10068.	BDI	0.66
				<b>1.32</b>
		<b>Lucrarea citată</b>	<b>Nr. autori</b>	
	L27	Ovidiu Ivanov, Bogdan Neagu, Mihai Gavrilas, <b>Gheorghe Grigoraș</b> , Calin-Viorel Sfintes, Phase Load Balancing in Low Voltage Distribution Networks Using Metaheuristic Algorithms, International Conference on Electromechanical and Energy Systems (SIELMEN), Chisinau, Republica Moldova, 9-11 Octombrie, 2019	5	
		<b>Lucrarea care citează</b>	<b>Tip</b>	
35.	1	Lin, W. C., Yao, K. C., Huang, W. T., Li, Z. T., Chih, H. C., & Ma, C. C. Comparisons of Energy Loss Reduction by Phase Balancing in Unbalance Distribution Networks via Metaheuristic Algorithms, 2020 International Conference on Pervasive Artificial Intelligence (ICPAI), Taipei, Taiwan 2020	BDI	0.6
				<b>0.6</b>
		<b>Lucrarea citată</b>	<b>Nr. autori</b>	<b>4</b>
	L30	Ovidiu Ivanov, Bogdan Neagu, Gheorghe Grigoraș, Mihai Gavrilas, <i>Capacitor Banks Placement Optimization Improvement Using the Sperm Whale Algorithm</i> , 11th International Conference on Electronics, Computers and Artificial Intelligence (ECAI), 27-29 Iunie, 2019		
		<b>Lucrarea care citează</b>	<b>Tip</b>	
36.	1	Soma, G. G. (2021). Optimal Sizing and Placement of Capacitor Banks in Distribution Networks Using a Genetic Algorithm. Electricity, 2(2), 187-204.	BDI	<b>0.75</b>
37.	1	Raj, H., & Sharma, M. (2021). Whale Optimization Algorithm for Static and Dynamic Load Dispatch. In Advances in Engineering Design (pp. 429-440). Springer, Singapore.	BDI	<b>0.75</b>
				<b>1.5</b>
		<b>Lucrarea citată</b>	<b>Nr. autori</b>	<b>3</b>
	L34	Ivanov, O., Neagu, B. C., & Gavrilas, M. (2017, June). A parallel PSO approach for optimal capacitor placement in electricity distribution networks. In 2017 International Conference on Modern Power Systems (MPS) (pp. 1-5). IEEE.		

		<b>Lucrarea care citează</b>		
38.	1	Wieczorek, C. L. (2018). 3D terrain visualization and cpu parallelization of particle swarm optimization. Purdue University.	BDI	1
39.	2	Hassan, H. W., Rasid, M. M., Hussin, S. M., Anuar, M. S., & Nordin, N. M. (2018). The Impact of Shunt Capacitor Size and Location on Power Losses in Radial Distribution System. Applications of Modelling and Simulation, 2(3), 114-119.	BDI	1
				2
		<b>Lucrarea citată</b>	<b>Nr. autori</b>	<b>3</b>
	L35	Neagu, B. C., Ivanov, O., & Georgescu, G. (2016, October). Reactive power compensation in distribution networks using the bat algorithm. In 2016 International Conference and Exposition on Electrical and Power Engineering (EPE) (pp. 711-714). IEEE.		
		<b>Lucrarea care citează</b>		
40.	1	Kala, P., Joshi, P., Joshi, M., Agarwal, S., & Yadav, L. K. (2021). Tackling Power Quality Issues Using Metaheuristics. In Metaheuristic and Evolutionary Computation: Algorithms and Applications (pp. 63-85). Springer, Singapore.	BDI	1
41.	2	Peter, O. C., Benedict, O. I., & Rufai, S. A. Understanding the Capacitor Placement Approach for Power Loss Reduction in Distribution Network.	BDI	1
				2
		<b>Lucrarea citată</b>	<b>Nr. autori</b>	<b>3</b>
	L36	Ivanov, O., Gavrilas, M., & Neagu, B. (2014, May). Intelligent monitoring and control in transmission and distribution networks. In 2014 International Conference on Optimization of Electrical and Electronic Equipment (OPTIM) (pp. 185-191). IEEE.		
		<b>Lucrarea care citează</b>		
42.	5	Fainti, R., Alamaniotis, M., & Tsoukalas, L. H. (2020). Backpropagation Neural Network for interval prediction of three-phase ampacity level in power systems. In Deep Learning and Neural Networks: Concepts, Methodologies, Tools, and Applications (pp. 883-904). IGI Global.	BDI	1
43.	7	Fainti, R., Alamaniotis, M., & Tsoukalas, L. H. (2016, November). Distribution congestion prediction using artificial neural networks for big data. In IET Conference Proceedings. The Institution of Engineering & Technology.	BDI	1
				2
		<b>Lucrarea citată</b>	<b>Nr. autori</b>	<b>4</b>
	L38	Toma, N., Ivanov, O., Neagu, B., & Gavrilas, M. (2018, October). A PSO algorithm for phase load balancing in low voltage distribution networks. In 2018 International Conference and Exposition on Electrical And Power Engineering (EPE) (pp. 0857-0862). IEEE.		
		<b>Lucrarea care citează</b>		
44.	3	Vai, V., & Bun, L. (2020). Study on the impact of integrated PV uncertainties into an optimal LVAC topology in a rural village. ASEAN Engineering Journal, 10(1), 79-92.	BDI	0.75
45.	7	Vai, V., Sim, S., Lorm, R., Suk, S., Eng, S., Chhlonh, C., & Bun, L. (2021, March). Optimal Design of LVAC Distribution System Topology for a Rural Village. In 2021 9th International Electrical Engineering Congress (iEECON) (pp. 93-96). IEEE.	BDI	0.75
				1.5
		<b>Lucrarea citată</b>	<b>Nr. autori</b>	<b>3</b>
	L40	Neagu, B. C., Georgescu, G., & Ivanov, O. (2016, October). The impact of harmonic current flow on additional power losses in low voltage distribution networks. In 2016 International Conference and Exposition on Electrical and Power Engineering (EPE) (pp. 719-722). IEEE.		
		<b>Lucrarea care citează</b>		

46.	1	Popov, H., Dimitrov, B., Babinkov, T., Nikolov, N., & Stoilov, D. (2019, September). Operational measures for reduction of power and energy losses in electricity distribution networks. In 2019 11th Electrical Engineering Faculty Conference (BuleEF) (pp. 1-4). IEEE.	BDI	1
				1
		<b>Lucrarea citată</b>	<b>Nr. autori</b>	<b>3</b>
	L43	Neagu, B., Georgescu, G., & Ivanov, O. (2013). A new approach for electric energy distribution network routes optimization. Bul. Bul. Inst. Politehnic, Iași, LIX (LXIII), 4, 133-142.		
		<b>Lucrarea care citează</b>		
47.	1	Tifroute, M., & Bouzahir, H. (2016). Optimization of cable layout design in a wind farm: a hybrid approach. Int. J. of Thermal Environmental Engineering, 11, 111-115.	BDI	1
				1
		<b>Lucrarea citată</b>		
	L44	Neagu, B. C., Ivanov, O., & Gavrilăș, M. (2017, June). Voltage profile improvement in distribution networks using the whale optimization algorithm. In 2017 9th International Conference on Electronics, Computers and Artificial Intelligence (ECAI) (pp. 1-6). IEEE.		
		<b>Lucrarea care citează</b>	BDI	1
48.	1	Raj, H., & Sharma, M. (2021). Whale Optimization Algorithm for Static and Dynamic Load Dispatch. In Advances in Engineering Design (pp. 429-440). Springer, Singapore.		1
		<b>Lucrarea citată</b>	<b>Nr. autori</b>	<b>4</b>
	L45	Gavrilăș, M., Neagu, B. C., Pentiuc, R. D., & Hopulele, E. (2018, October). Overview on Distributed Generation Integration in Distribution Systems. In 2018 International Conference and Exposition on Electrical And Power Engineering (EPE) (pp. 1063-1069). IEEE.		
		<b>Lucrarea care citează</b>		
49.	1	IRIMIA, D., & BOBRIC, E. C. APPLICATION OF INDEPENDENT COMPONENT ANALYSIS IN LOAD PROFILE STUDY.	BDI	0.75
				0.75
			<b>TOTAL</b>	<b>48.09</b>

### 3.3 Prezentari invitate ...

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

Nr crt.	Revista/Conferinta	ISI/ BDI	Calitatea	Punctaj
1.	Applied Sciences: Special Issue "Wind Energy: Actual Trends, Implementations and Future Developments" <a href="https://www.mdpi.com/journal/applsci/special_issues/wind_energy_2021">https://www.mdpi.com/journal/applsci/special_issues/wind_energy_2021</a>	ISI	Editor invitat 2021	10

2.	Electronics Special Issue "Microgrid Design and Operation Based on Smart Management Systems and Transactive Energy Concepts" <a href="https://www.mdpi.com/journal/electronics/special_issues/microgrid_design">https://www.mdpi.com/journal/electronics/special_issues/microgrid_design</a>	ISI	Editor invitat 2021	10
3.	International Conference and Exhibition on Electromechanical and Energy Systems - Sielmen 2021 ( <a href="http://www.sielmen.tuiasi.ro/2021/?page_id=35">http://www.sielmen.tuiasi.ro/2021/?page_id=35</a> )	ISI	Editor	10
4.	10th International Conference on Energy and Environment, CIEM 2021, 14 -15 Octombrie, 2021, Bucuresti, Romania, <a href="http://ciem.energ.pub.ro/committees.html">http://ciem.energ.pub.ro/committees.html</a>	ISI	Membru în comitetul științific	10
5.	Journal of Power and Energy Engineering, – Control and Operation of Future Power Networks, <a href="https://www.scirp.org/pdf/JPEE_si_2020072011282950.pdf">https://www.scirp.org/pdf/JPEE_si_2020072011282950.pdf</a>	BDI	Editor invitat	6
6.	International Journal of Electric Power Science Development, <a href="http://ojs.bbwpublisher.com/index.php/ijepds/about/editorialTeam">http://ojs.bbwpublisher.com/index.php/ijepds/about/editorialTeam</a>	BDI	Membru în comitetul științific	6
7.	2nd International Conference on Cloud Computer, IoT and Intelligence System, Beijing, China, 6-7 Martie, 2022, <a href="http://www.2nd-ccis.org/com.html">http://www.2nd-ccis.org/com.html</a>	BDI	Membru în comitetul științific	6
8.	3rd International Conference on Computer Science, Communication and Network Security (CSCNS2021), Sanya, China, 22-23 Decembrie, 2021. <a href="http://cscns.org/com.html">http://cscns.org/com.html</a>	ISI	Membru în comitetul științific	10
9.	3rd International Conference on Computer, Communications and Mechatronics Engineering (CCME2021), Xiamen, China, 17-18 Decembrie, 2021, <a href="http://www.3rd-ccme.org/com.h+tml">http://www.3rd-ccme.org/com.h+tml</a>	BDI	Editor	6
10.	13th International Conference on Electronics, Computers and Artificial Intelligence, ECAI 2021, 1 -3 Iulie, 2021, Pitesti, Romania, <a href="http://ecai.ro/Organizatori.php">http://ecai.ro/Organizatori.php</a>	ISI	Membru în comitetul științific	10
11.	ICFSAS 2020: 14. International Conference on Finance Security Applications and Stability – Mumbai, India <a href="https://app.qwoted.com/opportunities/event-icfsas-2020-14-international-conference-on-finance-security-applications-and-stability-mumbai">https://app.qwoted.com/opportunities/event-icfsas-2020-14-international-conference-on-finance-security-applications-and-stability-mumbai</a>	BDI	Membru în comitetul științific	6
12.	ICALCES 2021: 15. International Conference on Advances in Low-Carbon Energy Systems <a href="http://mrconfs.com/event/6053f0a2e7905.html">http://mrconfs.com/event/6053f0a2e7905.html</a>	BDI	Membru în comitetul științific	6
13.	International Conference on Robotics, Electrical and Signal Processing Techniques (ICREST 2021) <a href="https://icrest.aiub.edu/index.php/technical-program-committee/">https://icrest.aiub.edu/index.php/technical-program-committee/</a>	ISI	Membru în comitetul științific	10
14.	International Journal of Advanced Computer Science and Applications (IJACSA), <a href="https://thesai.org/Reviewers/Details/7b815beb-4335-4239-a0f9-0ab3b968878a">https://thesai.org/Reviewers/Details/7b815beb-4335-4239-a0f9-0ab3b968878a</a>	ISI	Membru în comitetul științific	10
15.	Sensors Journal – MDPI <a href="https://www.mdpi.com/journal/sensors/submission_reviewers">https://www.mdpi.com/journal/sensors/submission_reviewers</a>	ISI	Membru în comitetul științific	10
16.	Entropy Journal – MDPI <a href="https://www.readkong.com/page/acknowledgment-to-reviewers-of-entropy-in-2020-mdpi-1174820?p=3">https://www.readkong.com/page/acknowledgment-to-reviewers-of-entropy-in-2020-mdpi-1174820?p=3</a>	ISI	Membru în comitetul științific	10
17.	Electronics Journal – MDPI - <a href="https://www.mdpi.com/journal/electronics/submission_reviewers">https://www.mdpi.com/journal/electronics/submission_reviewers</a>	ISI	Membru în comitetul științific	10
18.	11th International Conference and Exposition on Electrical and Power Engineering (EPE 2020), Iași, Romania, October 18-19, 2020. <a href="http://www.epe.tuiasi.ro/2020/wp-content/uploads/2020/10/Program-EPE-2020-final.pdf">http://www.epe.tuiasi.ro/2020/wp-content/uploads/2020/10/Program-EPE-2020-final.pdf</a>	ISI	Editor	10

19.	2nd International Conference on Computer Science, Communication and Network Security (CSCNS2020) Sanya, China, 22-23 Decembrie, 2020, <a href="http://www.cscns2020.org/com.html">http://www.cscns2020.org/com.html</a>	BDI	Membru în comitetul științific	6
20.	The 13th International Conference INTER-ENG 2019 Interdisciplinarity in Engineering, Targu Mures, Romania, <a href="https://inter-eng.umfst.ro/2019/files/technical-program/Brochure.pdf">https://inter-eng.umfst.ro/2019/files/technical-program/Brochure.pdf</a>	ISI	Membru în comitetul științific	10
21.	12th International Conference on Electronics, Computers and Artificial Intelligence, ECAI 2020, June 25– June 27, 2020, Bucuresti, Romania, <a href="http://ecai.ro/Organizatori.php">http://ecai.ro/Organizatori.php</a>	ISI	Membru în comitetul științific	10
22.	12th International Conference on Electronics, Computers and Artificial Intelligence, ECAI 2020, June 25– June 27, 2020, Bucuresti, Romania, <a href="http://ecai.ro/Documente/ECAI%202020%20program.pdf">http://ecai.ro/Documente/ECAI%202020%20program.pdf</a>	ISI	Sesion Chairman	10
23.	2nd International Conference on Computer, Communications and Mechatronics Engineering (CCME2020), Xiamen, China, December 20-21, 2020, <a href="http://www.ccme2020.org/com.html">http://www.ccme2020.org/com.html</a>	BDI	Publication Chairs	6
24.	Chairs International Conference on Communications, Electronic and Information Engineering (ICEIE2020), <a href="http://www.icceie2020.org/com.html">http://www.icceie2020.org/com.html</a>	ISI	Publication Chairs	10
25.	11th International Conference on Electronics, Computers and Artificial Intelligence, ECAI 2019, June 27– June 29, 2019, Pitesti, Romania, <a href="http://ecai.ro/Organizatori.php">http://ecai.ro/Organizatori.php</a>	ISI	Membru în comitetul științific	10
26.	10th International Conference and Exposition on Electrical and Power Engineering (EPE 2018), Iași, Romania, October 18-19, 2018. <a href="http://www.epe.tuiasi.ro/2018/wp-content/uploads/2018/10/Program-EPE-2018-final.pdf">http://www.epe.tuiasi.ro/2018/wp-content/uploads/2018/10/Program-EPE-2018-final.pdf</a>	ISI	Sesion Chairman	10
27.	10th International Conference on Electronics, Computers and Artificial Intelligence, ECAI 2018, June 28– June 30, 2018, Iasi, Romania, <a href="http://ecai.ro/Ecai%20archive.php">http://ecai.ro/Ecai%20archive.php</a>	ISI	Sesion Chairman	10
28.	Eng Journal MDPI - <a href="https://www.mdpi.com/journal/eng/submission_reviewers">https://www.mdpi.com/journal/eng/submission_reviewers</a>	BDI	Membru în comitetul științific	6
29.	"Brainstorming în Agora Cercurilor Studențești" BACStud2019, 17-19 Octombrie, Oradea, Romania	-	Membru în comitetul științific	3
30.	"Brainstorming în Agora Cercurilor Studențești" BACStud2020, 15-17 Octombrie, Oradea, Romania	-	Membru în comitetul științific	3
31.	"Brainstorming în Agora Cercurilor Studențești" BACStud2021, 14-16 Octombrie, Oradea, Romania	-	Membru în comitetul științific	3
		<b>TOTAL</b>		<b>253</b>

#### 3.4. Recenzor pentru reviste și manifestări științifice naționale și internaționale

Nr crt.	Nr. recenziei	Revista/Conferinta	ISI/ BDI	Nr. recenzii	Punctaj
1		International Journal of Electrical Power&Energy Systems ( <a href="http://www.journals.elsevier.com/international-journal-of-electrical-power-and-energy-systems">http://www.journals.elsevier.com/international-journal-of-electrical-power-and-energy-systems</a> )	ISI	14	140

	1.	IJEPES-D-21-00166R2 - A Practical Probabilistic Approach for Load Balancing in Data-Scarce LV Distribution Systems using Discrete PSO and 2m+1 PEM			
	2.	IJEPES-D-21-01489R1 Limiting current and voltage unbalances in distribution systems: a metaheuristic-based decision support system			
	3.	IJEPES-D-21-00166R1 A Practical Probabilistic Approach for Load Balancing in Data-Scarce LV Distribution Systems using Discrete PSO and 2m+1 PEM			
	4.	IJEPE S_2020_3953 Energy Loss Estimation in Power Distribution Systems Based on Spectral Analysis			
	5.	IJEPES_2020_1503 A Proposed Design Of A Peer To Peer Block Chain Based Energy Trading Platform For Micro Grid Application			
	6.	IJEPES_2020_1392 A motivational game-theoretic approach for peer-to-peer energy trading in islanded and grid-connected microgrid			
	7.	IJEPES_2019_3815R1 Consumer Phase Identification in Low-voltage Distribution Network Considering Vacant Users			
	8.	IJEPES_2019_3815 Consumer Phase Identification in Low-voltage Distribution Network Considering Vacant Users			
	9.	Energy Loss Estimation in Power Distribution Systems Based on Spectral Analysis (IJEPES_2020_3953)			
	10.	IJEPES-D-21-01489 Limiting current and voltage unbalances in distribution systems: a metaheuristic-based decision support system			
	11.	IJEPES-D-13-00986 - Solving Capacitor Placement Problem Considering Uncertainty in Load Variation			
	12.	IJEPES_2020_1392_R1 A motivational game-theoretic approach for peer-to-peer energy trading in islanded and grid-connected microgrid			
	13.	IJEPES_2020_3045 Assessing the affinity of Low voltage DC microgrid technology to the Peer-to-Peer energy trading concept			
	14.	IJEPES_2020_1392_R1 A motivational game-theoretic approach for peer-to-peer energy trading in islanded and grid-connected microgrid			
2		<b>International Journal of Advanced Computer Science and Applications</b>	<b>ISI</b>	<b>6</b>	<b>60</b>
	15.	Promoting Urban Sustainability through Big Data: Implications for Smart Urban Management			
	16.	Design of an efficient RPL objective function for Internet of Things Applications			
	17.	Branch and Bound Tactic effectively solve of conditional rank-order stowage 1 problem for Regular Shapes			
	18.	Fuzzy C-Mean Missing Data Imputation for Analogy-based Effort Estimation			
	19.	Analyzing User Involvement practice: A Case Study			
	20.	Implementation of an Expert System for Automated Symptom Consultation in Peru			
3		<b>Renewable and Sustainable Energy Reviews</b> ( <a href="https://www.editorialmanager.com/rser/default.aspx">https://www.editorialmanager.com/rser/default.aspx</a> )	<b>ISI</b>	<b>6</b>	<b>60</b>
	21.	A review of international limits for rapid voltage changes in public distribution networks (RSER-D-21-00766)			

	22.	Review of AI Applications in Harmonic Analysis in Power Systems (RSER-D-21-02183)			
	23.	Approximating Power Flow and Transmission Losses in Coordinated Capacity Expansion Problems (RSER-D-20-04073)			
	24.	A review of international limits for rapid voltage changes in public distribution networks (RSER-D-20-01992)			
	25.	A review of international limits for rapid voltage changes in public distribution networks (RSER-D-20-01992R1)			
	26.	Applications of blockchain and artificial intelligence technologies for enabling prosumers in smart grids: A review (RSER-D-21-00766)			
4		<b>Energy Reports</b> ( <a href="https://www.editorialmanager.com/egyr/default.aspx">https://www.editorialmanager.com/egyr/default.aspx</a> )	<b>ISI</b>	<b>8</b>	<b>80</b>
	27.	EGYR-D-21-01634-Cyber-attacks and stability control of micro-grid systems; A new cooperative control method			
	28.	EGYR-D-21-01782-An Adaptive and Scalable Protection Coordination System of Overcurrent Relays in Distributed Generator Integrated Distribution Networks			
	29.	EGYR-D-21-01381-Two-stage intelligent planning with improved artificial bee colony algorithm for a microgrid by considering uncertainty of renewable resources			
	30.	EGYR-D-21-01249-Variable Parameter Practical Model of Synchronous Generator for Precise Simulation of Power System			
	31.	EGYR-D-21-00275R1-THE "VALUE" OF PEER-TO-PEER ENERGY: SOCIAL VALUE EFFECTS IN PEER-TO-PEER GREEN ENERGY INNOVATION			
	32.	EGYR-D-21-00275-THE "VALUE" OF PEER-TO-PEER ENERGY: SOCIAL VALUE EFFECTS IN PEER-TO-PEER GREEN ENERGY INNOVATION			
	33.	EGYR-D-20-00497-An improved automatic power factor controller in the RES-integrated distribution system			
	34.	EGYR-D-21-00275 - TOWARDS GREENER ENERGY INNOVATION: UNDERSTANDING CONSUMERS' ADOPTION OF INNOVATIVE GREEN ENERGY SYSTEMS			
5		<b>Journal of Electrical Engineering, Electronics, Control and Computer Science</b> <a href="https://jeeccs.net/index.php/journal/reviewer/index/activec">https://jeeccs.net/index.php/journal/reviewer/index/activec</a>	<b>BDI</b>	<b>4</b>	<b>24</b>
	35.	#239 A Sliding Mode Control Strategy for Grid Connected PV/Wind/ Battery Hybrid System			
	36.	#163 Comparison of the Power Flow Analysis of the Nigerian 330 kVTransmission Network Using ETAP and PSAT			
	37.	#192 Power Quality Enhancement in Distribution System using D-STATCOM			
	38.	#232 mart Grid and Electric Vehicle: Overview and Case Study			
6		<b>Heliyon</b> ( <a href="http://www.editorialmanager.com/heliyon/default.aspx">www.editorialmanager.com/heliyon/default.aspx</a> )	<b>ISI</b>	<b>3</b>	<b>30</b>
	39.	HELIYON-D-21-05823 Fuzzy Logic Based Optimal Placement of Voltage Regulators and Capacitors for Distribution Systems Efficiency Improvement			

	40.	HELIYON-D-21-05823R1 Fuzzy Logic Based Optimal Placement of Voltage Regulators and Capacitors for Distribution Systems Efficiency Improvement			
	41.	HELIYON-D-21-06148 Optimal location and dimensioning of capacitors in microgrids using a multicriteria decision algorithm			
7		IEEE International Conference on Electrical, Computer, Communications, and Mechatronics Engineering (ICECCME 2021) - <a href="https://easychair.org/conferences/review_request_view?a=27126954;request=2866326">https://easychair.org/conferences/review_request_view?a=27126954;request=2866326</a>	ISI	1	10
	42.	# 425 - Title: Integration of GNSS and laser measuring device with smartphone cartographic app in electricity distribution network			
8		Phisica. A statistical mechanics and its aplication <a href="https://www.editorialmanager.com/physa/default.aspx">https://www.editorialmanager.com/physa/default.aspx</a>	ISI	1	6
	43.	PHYSA-211076 Quantum Simultaneous Measurement of non-Commuting Observables based on K-Means Clustering			
9		2021 IEEE International Conference on Environment and Electrical Engineering, Bari, Italy, 7-10 September 2021	ISI	11	110
	44.	25-Bearing Fault Detection For Water Pumping System Using Artificial Neural Network			
	45.	40-Coordination of phase and ground DOCR using non-conventional time curves			
	46.	48-Data-Driven Coordinated Control of AVR and PSS in Power Systems: A Deep Reinforcement Learning Method			
	47.	64-Integration of AI, IoT and Edge-Computing for Smart Microgrid Energy Management			
	48.	100-Machine learning algorithms for short-term load forecasting of national energy systems			
	49.	281-Performance Analysis of Extra High Voltage 765 kV and 400 kV Hydro Power fed Transmission Lines			
	50.	303-A Hybrid Energy Hub Investigation with Renewables and Electric Vehicle in a Smart Microgrid Lab.			
	51.	312-Quality Valuation of a Novel Dual Stator Dual Rotor U-Shaped Permanent Magnet Synchronous Generator for Nuclear Energy Extraction			
	52.	325-Agent-Based Modeling of Peer-to-Peer Energy Trading in a Smart Grid Environment			
	53.	330-Unsupervised Learning Methods for Voltage Regulation in Smart Grids			
	54.	335-Two-Stage Optimal Operation of Smart Homes Participating in Competitive Electricity Markets			
10		The International Conference on ENERGY and ENVIRONMENT (CIEM 2021)	ISI	3	30
	55.	9 - Optimal Power Flow with Three Objective Functions using Improved Differential Evolution Algorithm: Case Study IEEE 57-bus power system Download			
	56.	25 - STATE OF THE ART OF HYBRID AC-DC MEDIUM VOLTAGE GRIDS			
	57.	64 - Laboratory for Digital Technologies Testing and Skills Development of Professionals And Students			

11		<b>Computers and Electrical Engineering</b> <a href="https://www.editorialmanager.com/compeleceng/default.aspx">https://www.editorialmanager.com/compeleceng/default.aspx</a>	ISI	6	60
	58.	COMPELECENG-D-21-01701 - ETA-SPORTS: An energy and temperature aware semi-partitioned real-time scheduler for heterogeneous multicore platforms			
	59.	COMPELECENG-D-21-00867 - Novel Axial Flux Machine Topology Assessment and Feasible Applications in Electric Vehicles and Wind Energy Conversion Systems			
	60.	COMPELECENG-D-21-01915 - Exploration and Development of TG Quantum Well Barrier FinFET with Strained HOI Nanosystem Channel for Enhanced Performance			
	61.	COMPELECENG-D-21-01480 - A Frequency Controlled Novel Resonant Converter For Constant Current, Constant Voltage, and Constant Power Applications			
	62.	COMPELECENG-D-21-00673 - System Security Enhancement Using Hybrid HUA-GPC Approach under Transmission Line(s) and/or Generator(s) Outage Conditions			
	63.	COMPELECENG-D-20-02075 - Community Energy Management with Demand Response Consideration and Peer-to-peer Energy Trading			
12		<b>Swarm and Evolutionary Computation</b> <a href="https://www.editorialmanager.com/swevo/default.aspx">https://www.editorialmanager.com/swevo/default.aspx</a>	ISI	1	10
	64.	SWEVO-D-21-00244 - A Modified PSO Algorithm Suitable for Low-Power Hardware Implementation in CMOS Technology			
13		<b>The 15th International Conference on Interdisciplinarity in Engineering, 07-08 Oct 2021, Targu-Mures, Romania,</b>	ISI	1	10
	65.	30 - Analysis of the Power Demand in Romania during the COVID-19 Pandemic			
	66.	125. Technical-economic analysis of a hybrid thermal energy supply system based on renewable energy sources			
14		<b>International conference on Electronics, Computers and Artificial Intelligence. 01 July - 03 July 2021. Pitești, Romania</b>	ISI	4	40
	67.	80 - Pham Duc Dai and Nguyen Hoang Viet. Optimization of Variable Speed Pump Scheduling for Minimization of Energy and Water Leakage Costs in Water Distribution Systems with Storages			
	68.	81 - Pham Duc Dai. Optimal Placement and Regulation of Pressure Reducing Valves in Water Distribution Systems to Water Leakage Reduction			
	69.	104 - Profiling consumers in a water distribution network using K-Means clustering and multiple pre-processing methods			
	70.	105 - Bhargav Appasani, Amitkumar Vidyakant Jha, Deepak Kumar Gupta, Nicu Bizon and Avireni Srinivasulu. An Improved Particle Swarm Optimization Technique and its Application in Load Frequency Control			
15		<b>International Conference on Automation, Control and Mechatronics for Industry 4.0 (ACMI 2021) [https://acmi2021.mteruet.com/technical-committee/].</b>	ISI	3	30

	<b>71.</b>	195 - GRID CONNECTED MICROGRID FAULT CURRENT REDUCTION USING NON-SUPERCONDUCTING FAULT CURRENT LIMITER			
	<b>72.</b>	188 - Design and Implementation of an Automatic Single Axis Tracking with Water-Cooling System to Improve the Performance of Solar Photovoltaic Panel			
	<b>73.</b>	186 -: Optimum Design and Performance Evaluation of a Solar Panel with Automatic Sun Tracking System			
16		<b>IEEE Transactions on Smart Grid</b>	<b>ISI</b>	<b>1</b>	<b>10</b>
	<b>74.</b>	TSG-00113-2021 Distributed Privacy-Preserving Peer-to-Peer Energy Transaction Approach in Smart Grids, for the IEEE Transactions on Smart Grid			
17		<b>Applied Energy (<a href="https://www.editorialmanager.com/apen/default.aspx">https://www.editorialmanager.com/apen/default.aspx</a> )</b>	<b>ISI</b>	<b>7</b>	<b>70</b>
	<b>75.</b>	APEN-D-20-11911 - New Subsidy Allocation Model for Power Distribution Companies to Reduce Power Losses (Studied in Iran)			
	<b>76.</b>	APEN-D-21-09040 R1- Event-triggered Distributed Voltage Regulation by Heterogeneous BESS in Low-Voltage Distribution Networks			
	<b>77.</b>	APEN-D-21-09040 - Event-triggered Distributed Voltage Regulation by Heterogeneous BESS in Low-Voltage Distribution Networks			
	<b>78.</b>	APEN-D-20-01473 - Network-constrained bidding optimization strategy for aggregators of prosumers			
	<b>79.</b>	APEN-D-20-01473R1 - Network-constrained bidding optimization strategy for aggregators of prosumers			
	<b>80.</b>	APEN-D-19-09262 - Distributed Reactive Power Optimization in Active Distribution Networks Considering Renewable Uncertainties			
	<b>81.</b>	APEN-D-19-09262R1 - Distributed Reactive Power Optimization in Active Distribution Networks Considering Renewable Uncertainties			
18		<b>IEEE Acces</b>	<b>ISI</b>	<b>9</b>	<b>90</b>
	<b>82.</b>	Access-2020-56991 - Linear Iterative Power Flow Approach Based on the Current Injection Model of Load and Generator			
	<b>83.</b>	Access-2020-56386 - A Comprehensive Review on Optimal Location and Sizing of Reactive Power Compensation Using Hybrid-Based Approaches for Power Loss Reduction, Voltage Stability Improvement, Voltage Profile Enhancement and Loadability Enhancement			
	<b>84.</b>	Access-2020-50567 - A Comprehensive Review on Optimal Location and Sizing of Reactive Power Compensation Using Hybrid-Based Approaches for Power Loss Reduction, Voltage Stability Improvement, Voltage Profile Enhancement and Loadability Enhancement			
	<b>85.</b>	Access-2020-46803 - Demand Response Strategy of Energy Prosumer Based on Robust Optimization through Aggregator			
	<b>86.</b>	Access-2020-41273 - Demand Response Strategy of Energy Prosumer Based on Robust Optimization through Aggregator			
	<b>87.</b>	Access-2020-29267 - Line Loss Prediction and Energy Saving Retrofit Strategy for Distribution Network Based on Entropy Weight and Fuzzy Correlation Degree			
	<b>88.</b>	Access-2020-54028 - "A Multi-stage Approach Combining Physics-Based Methods and Data-Driven Analysis to convert DC Power Flow to AC Power Flow			
	<b>89.</b>	Access-2020-47187 "Quantum-Enhanced Grid of the Future: A Primer"			

	<b>90.</b>	ID Access-2020-20990 entitled "Consortium Blockchain-Based Decentralized Stock Exchange Platform"			
19		<b>International IETE Journal of Research.2020</b>	<b>ISI</b>	<b>4</b>	<b>40</b>
	<b>91.</b>	TIJR-2020-0454.R3 Distribution System Reconfiguration through Flower Pollination Algorithm (FPA)			
	<b>92.</b>	TIJR-2020-0454.R2 Distribution System Reconfiguration through Flower Pollination Algorithm (FPA)			
	<b>93.</b>	TIJR-2020-0454.R1 Distribution System Reconfiguration through Flower Pollination Algorithm (FPA)			
	<b>94.</b>	TIJR-2020-0454 Distribution System Reconfiguration through Flower Pollination Algorithm (FPA)			
20		<b>2020 International Conference on Communications, Electronic and Information Engineering (ICCEIE2020)</b>	<b>BDI</b>	<b>1</b>	<b>6</b>
	<b>95.</b>	A3605 Research on the influence of information technology on Industrial Competitiveness			
21		<b>International Conference on Robotics, Electrical and Signal Processing Techniques (2019,2020, 2021)</b>	<b>BDI</b>	<b>10</b>	<b>60</b>
	<b>96.</b>	Paper ID: 188 Title: Design and Economic Analysis of Solar Photovoltaic System for Rural Area of Bangladesh			
	<b>97.</b>	Paper ID: 167 Title: A 48V 3-Phase IM and VFD Controller Development for a Portable Vacuum Cleaner			
	<b>98.</b>	Paper ID: 166 Title: 3-phase IM Controlled Solar Electric Boat for Portable Irrigation and Recreational Purposes by using 300V DC/AC Drivetrain			
	<b>99.</b>	Paper ID: 165 Title: Cooperative Virtual Inertia and Reactive Power Control of PMSG Wind Generator and Battery for Improving Transient Stability of Power System Including Renewable Energy Sources			
	<b>100.</b>	Paper ID: 164 Title: A new control strategy for frequency stabilization of small scale power system by variable speed diesel engine-driven power plant			
	<b>101.</b>	Paper ID: 20348 - Review Paper on the constraints,possibility & optimization of Solar PV-Wind Hybrid System – Neacceptata			
	<b>102.</b>	Paper ID: Automation System with IEC 61850 <a href="https://ieeexplore.ieee.org/document/8644416/">https://ieeexplore.ieee.org/document/8644416/</a>			
	<b>103.</b>	Paper ID: 20350 - Using Power System Stabilizer To Solve Interarea Oscillations In Power Systems – Neacceptata			
	<b>104.</b>	Paper ID: 20341 - Concentrated Solar Power (CSP) Dish Stirling Technology in Prospect of Energy Crisis in Bangladesh – Neacceptata			
	<b>105.</b>				
	<b>106.</b>	Paper ID: 2- Prospect of Back Contact for A Highly Efficient InGaN Thin Film Solar Cell from Numerical Analysis <a href="https://ieeexplore.ieee.org/document/8644303">https://ieeexplore.ieee.org/document/8644303</a>			
22		<b>Curent Alternative Energy</b>	<b>BDI</b>	<b>1</b>	<b>6</b>
	<b>107.</b>	BMS-CAE-2020-HT4-901-9 An investigation of five generation and regeneration industries (Drip irrigation system, Mobile sprinkler for the home lawn, PVC film generation, cardboard generation of agricultural waste, and plastic waste recycling industries)			

		<b>ICAEE 2019 IEEE Conference International Conference on Advanced Electrical Engineering 26–28 September 2019</b>	<b>ISI</b>	<b>8</b>	<b>80</b>
23	<b>108.</b>	4427- Behavior of the Proton Exchange Membrane Fuel Cell Around Critical Fuel and Air Supply Pressure			
	<b>109.</b>	4430-Paper Title: Multistage Synchrophasor Placement Approach for Practical Assessment of BPSN			
	<b>110.</b>	4339 - Application of PID and Fuzzy based Controllers for Load Frequency Control of a Single - Area and Double - Area Power Systems			
	<b>111.</b>	4301 - Improvement of Conversion Efficiency of CdS-CdTe Photovoltaic Cell Sandwiching Intrinsic CdTe Layer between Window and Absorber Layers			
	<b>112.</b>	4333 - Modified Modulated Predictive Control for a 3-Phase 2 Level PWM Rectifier			
	<b>113.</b>	4314 - Passive Power Factor Correction & Algorithm With Negligible Harmonics Using Variable Capacitor			
	<b>114.</b>	4338 - Assessment of Different Topological Integration of Solar Power Technologies in Medium Voltage Distribution Networks			
	<b>115.</b>	4433 - A Case Study on Efficient Grid Connected Hybrid Energy System for Rohingya Refugees			
	<b>116.</b>	4136 - A Review of Geothermal Energy for Future Power Generation			
	<b>117.</b>	4317 - Forecasting-Aided State Estimation for Power Distribution System Application: Case Study			
		<b>2020 International Conference and Exposition on Electrical And Power Engineering (EPE) Iasi-Romania 22-23 October 2020</b>	<b>BDI</b>	<b>4</b>	<b>24</b>
	<b>118.</b>	3901 - Energy Market Concept in a Micro-Grid			
	<b>119.</b>	4028 - Techniques and indices for preventive maintenance optimization			
	<b>120.</b>	4120 - On the Cumulative Effect of Magnetic Fields in the Deviation Zones of Overhead High Voltage Power Lines			
	<b>121.</b>	4235 - A Method for Estimation of the Magnetic Field Generated by Overhead Power Lines			
24		<b>Journal Trends in Computer Science and Information Technology Renewable and Sustainable Energy Reviews</b>	<b>BDI</b>	<b>3</b>	<b>18</b>
	<b>122.</b>	TCSIT-20-RA-142 - Energy Trading Systems on Blockchain Networks			
	<b>123.</b>	TCSIT-20-OP-144 - Chance Constrained Optimization for Energy Management in Electric Vehicles			
	<b>124.</b>	TCSIT-20-OP-146 - Optimal Integration of Electric Vehicles in Smart Grids with Renewables and Battery Storage Systems under Uncertainty			
25		<b>Energy Research Journal</b>	<b>ISI</b>	<b>2</b>	<b>20</b>
	<b>125.</b>	ER-20-15428.R1 "Loss Cost Reduction and Power Quality Improvement with Applying Robust Optimization Algorithm for Optimum Energy Storage System Placement and Capacitor Bank Allocation".			
	<b>126.</b>	ER-20-15428 "Loss Cost Reduction and Power Quality with Applying Robust Optimization Algorithm for Optimum Energy Storage System and Capacitor Bank"			
26		<b>Transactions on Environment and Electrical Engineering</b>	<b>BDI</b>	<b>1</b>	<b>6</b>
	<b>127.</b>	Modeling and Performance Evaluation of an Electromagnetic Voltage Regulator via Series Compensation.			

27		<b>Electric Power Systems Research</b> <a href="https://www.editorialmanager.com/epsr/default.aspx">https://www.editorialmanager.com/epsr/default.aspx</a>	ISI	15	150
	128.	EPSR-D-21-02259R1 - Low Voltage Customer Phase Identification Methods Based on Smart Meter Data			
	129.	EPSR-D-21-02444R1 - A New Method for Optimal Capacitor Placement in Power Systems			
	130.	EPSR-D-21-02259 - Low Voltage Customer Phase Identification Methods Based on Smart Meter Data			
	131.	EPSR-D-21-02444 - A New Method for Optimal Capacitor Placement in Power Systems			
	132.	EPSR-D-19-01832R1 - Mitigation of DGs Impact on Variable-Topology Meshed Network Protection System by Optimal Fault Current Limiters Considering Overcurrent Relay Coordination			
	133.	EPSR-D-21-02259 Title: Low Voltage Customer Phase Identification Methods Based on Smart Meter Data Electric Power Systems Research			
	134.	EPSR-D-19-02879R2 - An Incentive Mechanism Design Using CCHP-based Microgrids for Wind Power Accommodation Considering Contribution Rate			
	135.	EPSR-D-19-02879R1 - An Incentive Mechanism Design Using CCHP-based Microgrids for Wind Power Accommodation Considering Contribution Rate			
	136.	EPSR-D-19-02879 - An Incentive Mechanism Design Using CCHP-based Microgrids for Wind Power Accommodation Considering Contribution Rate			
	137.	EPSR-D-19-02875 - Double Deep Q-Learning Optimized Operation of Hybrid Energy Storage System in Island Micro-grid			
	138.	EPSR-D-19-01832 - Mitigation of DGs Impact on Variable-Topology Meshed Network Protection System by Optimal Fault Current Limiters Considering Overcurrent Relay Coordination			
	139.	EPSR-D-19-01316 - Multi-Agent Approach to Modeling and Simulation of Microgrid Operation with Vehicle-to-Grid System			
	140.	EPSR-D-19-00971R1 - Non-Steady State Electro-Thermally Coupled Weather-Dependent Power Flow Technique for a Geographically-traversed Overhead-line Capacity Improvement			
	141.	EPSR-D-19-00873 - Bi-level distributed optimization method for islanded multi-microgrids in a carbon trading market			
	142.	EPSR-D-19-00971 - Non-Steady State Electro-Thermally Coupled Weather-Dependent Power Flow Technique for a Geographically-traversed Overhead-line Capacity Improvement			
28		<b>Sustainable Cities and Society</b> <a href="https://www.journals.elsevier.com/sustainable-cities-and-society">https://www.journals.elsevier.com/sustainable-cities-and-society</a>	ISI	1	10
	143.	SCS_2019_879 - A novel method for evaluating time stability of clusters – With application to electricity smart meter consumption data			
29		<b>Journal of Computational Design and Engineering</b>	ISI	2	20
	144.	JCDE-2020-100 - "Pigeon Inspired Optimization: A new Bio-mimetic Swarm Intelligence Algorithm for Reactive Power Planning in Power Transmission System JCDE-2020-100R1 - "Pigeon Inspired Optimization: A new Bio-mimetic Swarm Intelligence Algorithm for Reactive Power Planning in Power Transmission System, <a href="https://academic.oup.com/jcde">https://academic.oup.com/jcde</a>			

30		<b>International Conference on Electrical, Computer and Communication Engineering (ECCE2020)</b>	<b>ISI</b>	<b>6</b>	<b>60</b>
	145.	Paper ID: 7606 - Feasibility Analysis and a Proposal for 1.3 MW Hybrid Renewable Power Plant for Saint-Martins Island Using HOMER <a href="https://ieeexplore.ieee.org/document/8679390">https://ieeexplore.ieee.org/document/8679390</a>			
	146.	Paper ID: 7874 - An analytical study on converter based frequency adjustment and protection mechanism of a grid connected wind farm model – <i>Neacceptata</i>			
	147.	Paper ID: 7739 - Determination of Module Rearrangement Techniques for Non-uniformly Aged PV Arrays with SP, TCT, BL and HC Configurations for Maximum Power Output – <a href="https://ieeexplore.ieee.org/document/8679176">https://ieeexplore.ieee.org/document/8679176</a>			
	148.	Paper ID: 7712 - A Proposed Algorithm for Peer-to-Peer Energy Trading Using Blockchain in Microgrid Energy Markets – <i>Neacceptata</i>			
	149.	Paper ID: 7647 – Proceblity Renewable Energy and Smart Grids – <i>Neacceptata</i>			
	150.	Paper ID: 7126 - STATCOM and PID Controller Based Stability Enhancement of a Grid Connected Wind Farm – <a href="https://ieeexplore.ieee.org/document/8726728">https://ieeexplore.ieee.org/document/8726728</a>			
31		<b>2020 IEEE International Conference on Environment and Electrical Engineering, Madrid, June 9-12, 2020, Madrid, Spain</b>	<b>ISI</b>	<b>5</b>	<b>50</b>
	151.	103 - Energy mileage concept for local RE using blockchain technology			
	152.	164 - Comparative study between Gaussian process regression and long short-term memory neural networks for intraday grid load forecasting			
	153.	221 - BESS Sizing in an Isolated Microgrid Including PHEVs and RERs			
	154.	232 - Optimal sizing of microgrids: on the design equivalences of different objective functions			
	155.	275 - Development of A Hybrid Method to Control the Grid-Connected PV Converter			
32		<b>2019 IEEE PES Innovative Smart Grid Technologies Europe, ISGT-Europe 2019, Bucharest, Romania, September 29 - October 2, 2019</b>	<b>ISI</b>	<b>2</b>	<b>20</b>
	156.	1. Intelligent Centralized High Impedance Fault Diagnosis for Motor Power Distribution Centers ID: 40			
	157.	2. Impact of Modelling Assumptions on the Voltage Stability Assessment of Active Distribution Grids ID: 205			
33		<b>The 2nd International Conference on Electrical, Computer and Energy Technologies (ICECET) 2020</b>	<b>ISI</b>	<b>3</b>	<b>30</b>
	158.	579 Bidirectional Dual Active Bridge for Interfacing Battery Energy Storage Systems with DC Microgrid			
	159.	630 Standalone Microgrid: A Sustainable Option for Energy Handling			
	160.	647 The Causes and Consequences of Such Communication Delays in the Electric Grid System			
33		<b>International Journal of Electrical and Computer Engineering (IJECE).<a href="http://ijece.iaescore.com/index.php/IJECE">http://ijece.iaescore.com/index.php/IJECE</a></b>	<b>ISI</b>	<b>2</b>	<b>20</b>
	161.	#7335 - Power Quality Improvement Of Fuzzy Based Predictive Controlled APF			
	162.	#8008 - Real Time Power Quality Phenomenon for Various Distribution Feeders			

34		<b>International Conference on Electronics, Computers and Artificial Intelligence ECAI - 2018</b>	ISI	2	20
	163.	PAPER 65 - Artificial Intelligence Computational Basic Models and Analysis for Power Delivery Safety and Efficiency Evaluation			
	164.	PAPER 21 - Intelligent Tools and Methods in Power Delivery Quality and Efficiency Evaluation			
35		<b>Buletinul institutului politehnic din Iasi. Secția electrotehnica. Electronica. Energetica.</b>	BDI	5	30
	165.	A Comparative Study of Wind Turbine Generators Operating Performance. A Case Study for the Vietnamese Ninh Thuan-Grid			
	166.	An Improved Strategy Based On A Multi-Criteria Analyse To Replace Transformers In Electric Distribution Networks			
	167.	PMU Based Monitoring System Of Inter-Area Oscillation For Maghreb Power System			
	168.	Aplication Of Independent Component Analysis In Load Profile Study			
	169.	Optimal Operation Of A Trigenation System Designed To Supply An Electricity, Heating And Cooling Consumer			
	170.	Smart Charging Of Multiple Evs In Smart Grid Radial Low Voltage Distribution Networks			
36		<b>2014-2018 International Conference and Exposition on Electrical and Power Engineering (EPE)</b>	ISI	44	440
	171.	EPE 2014 - 623 - Implementation of the attractive radius method for the estimation of the lightning protection zones for a 110 kV power station Power Systems			
	172.	EPE 2014 - 831 - Virtual Power Plants			
	173.	EPE 2014 - 839 - Impact of Storage Technologies Upon a Power System			
	174.	EPE 2014 - 807 - STRATEGY DESIGN FOR IMPROVING ENERGY EFFICIENCY			
	175.	EPE 2014 - 819 - Visual Inspection of Power Lines by U.A.S.			
	176.	EPE 2016 - 1565 - Improving The Wind Generators Availability by...			
	177.	EPE 2016 - 935 - Reactive Power Optimization in 110 kV Sub-Transmission...			
	178.	EPE 2016 - 947 - Optimal Placement of UPFC Considering both Economic and...			
	179.	EPE 2016 - 965 - Hybridization of Cuckoo Search Algorithm and Chemical...			
	180.	EPE 2016 - 1157 - A hybrid GA-PSO Algorithm for Static VAR Compensation			
	181.	EPE 2016 - 1244 - Assessment on reliability of wind turbine protection...			
	182.	EPE 2016 - 1283 - Power Quality System Analysis on Embarked Systems			
	183.	EPE 2016 - 1304 - Using the photovoltaic renewable sources for high-voltage...			
	184.	EPE 2016 - 1325 - Phase Swapping of Lateral Branches from Low-Voltage...			
	185.	EPE 2016 - 1380 - Power quality assessment for microgrid scenarios			
	186.	EPE 2016 - 1421 - Knowledge-based decisions in smart grids			
	187.	EPE 2016 - 1427 - A Fuzzy Approach In Optimal DG Planning			
	188.	EPE 2016 - 1415 - A Fuzzy Hybrid Algorithm for RRAP in Power Distribution...			
	189.	EPE 2016 - 1397 - Issue Of Voltage Distribution Networks With Distributed...			
	190.	EPE 2016 - 1664 - Impact of photovoltaic power plants on power system losses			

	191.	EPE 2016 - 1831 - Voltage Stability Assessment For Wind Farms Integration...
	192.	EPE 2016 - 1908 - Energetic Analysis of the Subcritical Low-Temperature ORC...
	193.	EPE 2016 - 1958 - Comparative Analysis of Different Means of Biogas...
	194.	EPE 2016 - 1834 - The Study Of Dynamic Processes In Power Grids In The...
	195.	EPE 2016 - 1976 - On a Demand Response Pilot Demonstration in the...
	196.	EPE 2016 - 1694 - An Efficient Intrusion Detection Scheme for Cluster Based...
	197.	EPE 2016 - 2059 - Å-Root-Cause Analysis of Cascaded Ground Faults on an...
	198.	EPE 2016 - 2086 - The influence of the tariff charged by electricity...
	199.	EPE 2018 - 2864 - An Improved Approach for Energy Losses Calculation in Low...
	200.	EPE 2018 - 2392 - Overview on computational methods of GIS grounding grid...
	201.	EPE 2018 - 2469 - Reducing distributed electricity is a challenge for...
	202.	EPE 2018 - 2573 - State of the art techniques in the design of high voltage...
	203.	EPE 2018 - 2601 - The Impact of 150MWp Pho An Solar Photovoltaic Project...
	204.	EPE 2018 - 2722 - Current State of Researches in the Development of Energy...
	205.	EPE 2018 - 2814 - Voltage Stability Estimation based on a Load Flow...
	206.	EPE 2018 - 2662 - Computation of the Low Frequency Magnetic Fields...
	207.	EPE 2018 - 2481 - Influence of a highly nonlinear load on power quality in a...
	208.	EPE 2018 - 3264 - Considerations Regarding Implementing Wide Area...
	209.	EPE 2018 - 2870 - On the significant height for testing the electric and...
	210.	EPE 2018 - 3430 - A Multi-Terminal HVDC Grid Topology for Offshore Wind Farms
	211.	EPE 2018 - 3551 - Modeling energy hub operating modes with demand side...
	212.	EPE 2018 - 3391 - Assessment for efficient operation of smart grids using...
	213.	EPE 2018 - 3165 - Setting the Optimal Control Variables of an UPFC Device...
	214.	EPE 2018 - 3385 - Analysis of energy efficient solutions for electric...
37		<div> <div>Energies <a href="http://www.mdpi.com/journal/energies">http://www.mdpi.com/journal/energies</a></div> <div>ISI</div> <div>90</div> <div>900</div> </div>
	215.	energies-1524957 Application of Block Sparse Bayesian Learning in Power Quality Steady-State Data Compression
	216.	energies-1524957R1 Application of Block Sparse Bayesian Learning in Power Quality Steady-State Data Compression
	217.	energies-1518205-Evolutionary Game Analysis of Responding to EU's Carbon Border Adjustment Mechanism
	218.	energies-1472738 - Comparative study of Several Efficient Energy Management Strategies for a Hydrogen Fuel Cell/Battery Hybrid Vehicles
	219.	energies-1472738R1-Comparative study of Several Efficient Energy Management Strategies for Hydrogen Fuel Cell/Battery Hybrid Vehicles
	220.	energies-1396498 - An Evaluation of Flicker Emissions from Small Wind Turbines
	221.	energies-1396498 R1 - An Evaluation of Flicker Emissions from Small Wind Turbines
	222.	energies-1404826 - A Curvature Compensation Technique for Low-Voltage Bandgap Reference
	223.	energies-1404826R1 - A Curvature Compensation Technique for Low-Voltage Bandgap Reference
	224.	energies-1399426- A GRASP approach for solving large scale electric bus scheduling problems

	225.	energies-1399426R1- A GRASP approach for solving large scale electric bus scheduling problems
	226.	energies-1351353- Distributed Finite-Time Secondary Frequency and Voltage Restoration Control Scheme of an Islanded AC Microgrid
	227.	energies-1351353R1- Distributed Finite-Time Secondary Frequency and Voltage Restoration Control Scheme of an Islanded AC Microgrid
	228.	energies-1357705- Optimization of the Configuration and Operating States of Hybrid AC/DC Low Voltage Microgrid Using a Clonal Selection Algorithm with a Modified Hypermutation Operator
	229.	energies-1357705R1- Optimization of the Configuration and Operating States of Hybrid AC/DC Low Voltage Microgrid Using a Clonal Selection Algorithm with a Modified Hypermutation Operator
	230.	energies-1307806- Impact of wind and solar generation on the Italian zonal electricity price
	231.	energies-1279828- Robust Multi-step Predictor for Electricity Markets with Real-time Pricing
	232.	energies-1273349- Rightsizing the Design of a Hybrid Microgrid
	233.	energies-1273349R1- Rightsizing the Design of a Hybrid Microgrid
	234.	energies-1236406- Modeling and analysis of the power conditioning circuit for an electromagnetic human walking induced energy harvester
	235.	energies-1236406R1- Modeling and analysis of the power conditioning circuit for an electromagnetic human walking induced energy harvester
	236.	energies-1206819- MRAS-Based Switching Linear Feedback Strategy For Sensorless Speed Control Of Induction Motor Drives
	237.	energies-1198068- A Review of Optimization of Microgrid Operation
	238.	energies-1177821- Allocation of RES and energy storage in conjunction with the Distribution System Expansion Planning in order to reduce the costs of energy
	239.	energies-1101367- Review on Deep Neural Networks applied to Low-Frequency NILM
	240.	energies-1124053- Forecasting charging demand of electric vehicle using time-series models
	241.	energies-1124053R1- Forecasting charging demand of electric vehicle using time-series models
	242.	energies-1057043- Resilience in an Evolving Electrical Grid
	243.	energies-1051858- Economical dispatch in micro grids with alternate sources and storage
	244.	energies-1051858R1- Economical dispatch in micro grids with alternate sources and storage
	245.	energies-1029977- A Short-term Electricity Consumption Forecasting Approach based on Feature Processing and Hybrid Modelling
	246.	energies-1027800- Power System Impedance Estimation Using a Fast Voltage and Current Changes Measurements
	247.	energies-1027800R1- Power System Impedance Estimation Using a Fast Voltage and Current Changes Measurements
	248.	energies-949212- A Novel Lagrangian Multiplier Update Algorithm for Short-Ter ...
	249.	energies-1002144- Electrical Modelling of Switching Arcs in a Low Voltage Relay at Low Currents
	250.	energies-1002144R1- Electrical Modelling of Switching Arcs in a Low Voltage Relay at Low Currents
	251.	energies-998767- Distributed control of clustered populations of thermostatic ...
	252.	energies-984357- Real-Time Validation of Power Flow Control Method for Enhanced Microgrid Operation
	253.	energies-984357R1- Real-Time Validation of Power Flow Control Method for Enhanced Microgrid Operation

	254.	energies-961731- Optimization of spatial configuration of multi-strand cable lines
	255.	energies-961731R1- Optimization of spatial configuration of multi-strand cable lines
	256.	energies-981886- Innovative Methodology Aplicated to Identification of Errors in Electric Energy Measurement Systems in Utilities
	257.	energies-981886R1- Innovative Methodology Aplicated to Identification of Errors in Electric Energy Measurement Systems in Utilities
	258.	energies-978493- A One-Body, Laminated-Rotor Flywheel Switched Reluctance Machine: Design Trade-Offs and Performance Assessment
	259.	energies-978493R1- A One-Body, Laminated-Rotor Flywheel Switched Reluctance Machine: Design Trade-Offs and Performance Assessment
	260.	energies-946183- Control Technique of Generation Transfer for Microgrid
	261.	energies-946183R1- Control Technique of Generation Transfer for Microgrid
	262.	energies-964155- Optimal Siting and Sizing of Wayside Energy Storage Systems in a D.C. Railway Line
	263.	energies-964155R1- Optimal Siting and Sizing of Wayside Energy Storage Systems in a D.C. Railway Line
	264.	energies-950161- Multi-criteria optimal sizing and allocation of renewable and non-renewable distributed generation resources at 63kV/20kV substations
	265.	energies-950161R1- Multi-criteria optimal sizing and allocation of renewable and non-renewable distributed generation resources at 63kV/20kV substations
	266.	energies-930855- Design, Sizing and Energy Management of Microgrids in Harbor Areas: A Review
	267.	energies-930855R1- Design, Sizing and Energy Management of Microgrids in Harbor Areas: A Review
	268.	energies-919967- A Coordinated Dispatching Model Considering Generation and Operation Reserve in Wind Power-Photovoltaic-Pumped Storage System
	269.	energies-919967R1- A Coordinated Dispatching Model Considering Generation and Operation Reserve in Wind Power-Photovoltaic-Pumped Storage System
	270.	energies-921351- An Equivalent Heat Transfer Model Instead of Wind Speed Measuring for Dynamic Thermal Rating of Transmission Lines
	271.	energies-921351R1- An Equivalent Heat Transfer Model Instead of Wind Speed Measuring for Dynamic Thermal Rating of Transmission Lines
	272.	energies-910966- IoVT: Internet of Vulnerable Things? Threat Architecture, Attack Surfaces, and Vulnerabilities in Internet of Things and its Applications towards Smart grids
	273.	energies-910966R1- IoVT: Internet of Vulnerable Things? Threat Architecture, Attack Surfaces, and Vulnerabilities in Internet of Things and its Applications towards Smart grids
	274.	energies-896987- HV Transformer Protection and Stabilization under Geomagnetically Induced Currents
	275.	energies-896987R1- HV Transformer Protection and Stabilization under Geomagnetically Induced Currents
	276.	energies-888931- Photovoltaic generation impact analysis in low voltage distribution grids
	277.	energies-888931R1- Photovoltaic generation impact analysis in low voltage distribution grids
	278.	energies-887291- Feasibility Study GaN Transistors Application in the Novel Split-Coils Inductive Power Transfer System with T-Type Inverter

	279.	energies-887291R1- Feasibility Study GaN Transistors Application in the Novel Split-Coils Inductive Power Transfer System with T-Type Inverter
	280.	energies-846533- Dynamic Modeling of Multiple Microgrid Clusters Including Regional Demand Response Programs
	281.	energies-846533R1- Dynamic Modeling of Multiple Microgrid Clusters Including Regional Demand Response Programs
	282.	energies-856940- Proving a Concept of Flexible Under-frequency Load-Shedding with Hardware-in-the-Loop Testing
	283.	energies-851791- Intelligent distributed energy generation and energy backup systems in hospitals: A review
	284.	energies-849409- A model for the estimation of residential rooftop photovoltaic (PV) capacity
	285.	energies-808079- A Control Scheme with the Variable-speed Pitch System for Wind Turbines during a Zero-voltage Ride Through
	286.	energies-808079R1- A Control Scheme with the Variable-speed Pitch System for Wind Turbines during a Zero-voltage Ride Through
	287.	energies-825621- Advanced Laboratory Testing Methods using Real-Time Simulation and Hardware-in-the-Loop Techniques: A survey on the Smart Grid International Research Facility Network
	288.	energies-813128- Transmission Power System Modeling by Using Aggregated Distributed Generation Model Based on TSO – DSO Data Exchange Scheme
	289.	energies-791000- Modelling and Optimising a Microgrid System by Reinforcement Learning Techniques
	290.	energies-791000R1- Modelling and Optimising a Microgrid System by Reinforcement Learning Techniques
	291.	energies-762960 - A Novel Accurate and Fast Converging Deep Learning based Model for Electrical Energy Consumption Forecasting in Smart Grid
	292.	energies-732616- In-stream Energy by Tidal and Wind-driven Currents: An Analy ...
	293.	energies-732616 R1-- In-stream Energy by Tidal and Wind-driven Currents: An Analy ...
	294.	energies-698424- Application of VMD and Hilbert Transform Algorithms on Detec ...
	295.	energies-698424 R1- Application of VMD and Hilbert Transform Algorithms on Detec ...
	296.	energies-680274- An Iterative Scheme for the Power-Flow Analysis of Distribut ...
	297.	energies-680274 R1- An Iterative Scheme for the Power-Flow Analysis of Distribut ...
	298.	energies-627727- Regular and irregular performance variation of module string ...
	299.	energies-627727 R1- Regular and irregular performance variation of module string ...
	300.	energies-604003- Alternative Methodology to Calculate the Directional Charact ...
	301.	energies-604003 R1- Alternative Methodology to Calculate the Directional Charact ...
	302.	energies-583632- Economic Optimization of Wind and Light-storage Independent ...
	303.	energies-583632R1- Economic Optimization of Wind and Light-storage Independent ...
	304.	energies-1404826- A Curvature-Compensation Technique for Low-voltage Bandgap Reference
38		<b>Algorithms, <a href="https://www.mdpi.com/journal/algorithms">https://www.mdpi.com/journal/algorithms</a></b>
	305.	algorithms-1372245 - Algorithms for optimal power flow extended to controllable renewable systems and controllable loads
	306.	algorithms-1372245R1 - Algorithms for optimal power flow extended to controllable renewable systems and controllable loads

	307.	algorithms-1372245R2 - Algorithms for optimal power flow extended to controllable renewable systems and controllable loads			
39		<b>Coatings, <a href="https://www.mdpi.com/journal/coatings">https://www.mdpi.com/journal/coatings</a></b>	<b>ISI</b>	<b>2</b>	<b>20</b>
	308.	coatings-1400986 - Assessment of the condition of anilox rollers			
	309.	coatings-1400986R1 - Assessment of the condition of anilox rollers			
40		<b>Applied Sciences, <a href="https://www.mdpi.com/journal/applsci">https://www.mdpi.com/journal/applsci</a></b>	<b>ISI</b>	<b>8</b>	<b>80</b>
	310.	applsci-1426996 - Power-Based Concept for Current Injection by Inverter-Interfaced Distributed Generations during Transmission-Network Faults			
	311.	applsci-1426996R1 - Power-Based Concept for Current Injection by Inverter-Interfaced Distributed Generations during Transmission-Network Faults			
	312.	applsci-1141688- Risk-based virtual energy storage system service strategy for prosumers			
	313.	applsci-1141688R1- Risk-based virtual energy storage system service strategy for prosumers			
	314.	applsci-791938- Design of the Input and Output Filter for a Matrix Converter Using Evolutionary Techniques			
	315.	applsci-791938R1- Design of the Input and Output Filter for a Matrix Converter Using Evolutionary Techniques			
	316.	applsci-752507- Design and Comparison of P&O, Fuzzy and P&O Based Fuzzy MPPT			
	317.	applsci-752507 R1- Design and Comparison of P&O, Fuzzy and P&O Based Fuzzy MPPT			
41		<b>Computers, <a href="https://www.mdpi.com/journal/computers">https://www.mdpi.com/journal/computers</a></b>	<b>ISI</b>	<b>2</b>	<b>20</b>
	318.	computers-940744- Design and Implementation of PLC / HMI Based Introductory Digital Logic Design Laboratory			
	319.	computers-940744R1- Design and Implementation of PLC / HMI Based Introductory Digital Logic Design Laboratory			
42		<b>Electronics, <a href="https://www.mdpi.com/journal/electronics">https://www.mdpi.com/journal/electronics</a></b>	<b>ISI</b>	<b>27</b>	<b>270</b>
	320.	electronics-1483625 - Power quality disturbance recognition using empirical wavelet transform and feature selection			
	321.	electronics-1483625R1 - Power quality disturbance recognition using empirical wavelet transform and feature selection			
	322.	electronics-1476743 - Unmanned Aerial Vehicle Activity and Its Aerial Lanes Design in (Ultra) Low-Altitude Airspace			
	323.	electronics-1476743R1 - Unmanned Aerial Vehicle Activity and Its Aerial Lanes Design in (Ultra) Low-Altitude Airspace			
	324.	electronics-1475615 - An active voltage coordinate control strategy of DFIG-based wind farm with hybrid energy storage system			
	325.	electronics-1475615R1 - An active voltage coordinate control strategy of DFIG-based wind farm with hybrid energy storage system			
	326.	electronics-1444696 - Cascading parallel random forest algorithm in predicting rice diseases in big data analysis			
	327.	electronics-1444696R1 - Cascading parallel random forest algorithm in predicting rice diseases in big data analysis			
	328.	electronics-1352976- An accurate Real Time Motion Estimation Using Optical Flow on Embedded System			
	329.	electronics-1352976R1- An accurate Real Time Motion Estimation Using Optical Flow on Embedded System			
	330.	electronics-1311756- Planning of Electric Taxi Charging Stations Based on Travel Data Characteristics			
	331.	electronics-1311756R1- Planning of Electric Taxi Charging Stations Based on Travel Data Characteristics			

	332.	electronics-1327513- Intelligent Energy Management Method of Hybrid AC/DC Microgrid using Artificial Neural Network			
	333.	electronics-1327513R1- Intelligent Energy Management Method of Hybrid AC/DC Microgrid using Artificial Neural Network			
	334.	electronics-1150694- Contributions Regarding the use of the Techniques of Artificial Intelligence for the Integration of Electrical Vehicles in the Networks of Future Smart Cities			
	335.	electronics-1150694R1 - Contributions Regarding the use of the Techniques of Artificial Intelligence for the Integration of Electrical Vehicles in the Networks of Future Smart Cities			
	336.	electronics-1132517- Multi-behavior with Bottleneck features LSTM for Load Forecasting in Building Energy Management System			
	337.	electronics-1132517R1- Multi-behavior with Bottleneck features LSTM for Load Forecasting in Building Energy Management System			
	338.	electronics-982448- Duty-cycled Wireless Power Transmission for Millimeter-sized Biomedical Implants			
	339.	electronics-982448R1- Duty-cycled Wireless Power Transmission for Millimeter-sized Biomedical Implants			
	340.	electronics-966618- A novel Approach for Optimal Coordination of Over-current Relays in Microgrids with Distributed Generation			
	341.	electronics-950407- Adaptive Protection for Microgrid with Distributed Energy Resources			
	342.	electronics-950407 R1- Adaptive Protection for Microgrid with Distributed Energy Resources			
	343.	electronics-793126- Adaptive Protection for Microgrid with Distributed Energy Resources			
	344.	electronics-793126 R1- Adaptive Protection for Microgrid with Distributed Energy Resources			
	345.	electronics-655012- PLC / HMI Based Implementation of a Real-Time Educational...			
	346.	electronics-655012 R1- PLC / HMI Based Implementation of a Real-Time Educational...			
43		<b>Entropy, <a href="https://www.mdpi.com/journal/entropy">https://www.mdpi.com/journal/entropy</a></b>	ISI	2	20
	347.	entropy-735088 Evaluation of harmonic contributions for multi harmonic sources system based on mixed entropy screening and an improved independent component analysis method			
	348.	entropy-735088 R1 Evaluation of harmonic contributions for multi harmonic sources system based on mixed entropy screening and an improved independent component analysis method			
44		<b>Sensors, <a href="https://www.mdpi.com/journal/sensors">https://www.mdpi.com/journal/sensors</a></b>	ISI	13	130
	349.	sensors-1288191- A Bidirectional Versatile Buck-Boost Converter Driver for Electric Vehicle Applications			
	350.	sensors-1142383- Bi-directional Mutual Energy Trade Between Smart Grid and Energy Districts Using Renewable Energy Credits			
	351.	sensors-1174813- Custom Outlier Detection for Electrical Energy Consumption Data Applied in Case of Demand Response in Block of Buildings			
	352.	sensors-1174813R1- Custom Outlier Detection for Electrical Energy Consumption Data Applied in Case of Demand Response in Block of Buildings			
	353.	sensors-1104546 - An Attention-based Multilayer GRU Model for Multstep-Ahead Short-Term Load Forecasting			
	354.	sensors-1104546R1 - An Attention-based Multilayer GRU Model for Multstep-Ahead Short-Term Load Forecasting			

	355.	sensors-1086076- End-to-End Deep Graph Convolutional Neural Network Approach for Intentional Islanding in Power Systems Considering Load-Generation Balance			
	356.	sensors-1086076- End-to-End Deep Graph Convolutional Neural Network Approach for Intentional Islanding in Power Systems Considering Load-Generation Balance			
	357.	sensors-1077280- Reliability Analysis and Evaluation of Smart Substation from ...			
	358.	sensors-1032365- An Automatic Aggregator of Power Flexibility in Smart Buildings using Software Based Orchestration			
	359.	sensors-1032365R1- An Automatic Aggregator of Power Flexibility in Smart Buildings using Software Based Orchestration			
	360.	sensors-887840- Detection of Potentially Compromised Computer Nodes and Clusters Connected on a Smart Grid, Using Power Consumption Data			
	361.	sensors-887840R1- Detection of Potentially Compromised Computer Nodes and Clusters Connected on a Smart Grid, Using Power Consumption Data			
45		<b>Symmetry, <a href="https://www.mdpi.com/journal/symmetry">https://www.mdpi.com/journal/symmetry</a></b>	ISI	1	10
	362.	symmetry-1367106 - Nonlinear mechanism of impact factors on ground settlement and deformation for tunneling crossing beneath an existing tunnel			
46	363.	<b>World Electric Vehicle Journal, <a href="https://www.mdpi.com/journal/wevj">https://www.mdpi.com/journal/wevj</a></b>	BDI	3	18
	364.	wevj-1359920- Electric vehicle uptake: understanding the print media's role in changing attitudes and perceptions			
	365.	wevj-1359920R1- Electric vehicle uptake: understanding the print media's role in changing attitudes and perceptions			
	366.	wevj-1331037- Primary Energy Use and Environmental Effects of Electric Veh ...			
47		<b>Sustainability <a href="https://www.mdpi.com/journal/sustainability">https://www.mdpi.com/journal/sustainability</a></b>	ISI	6	60
	367.	sustainability-1251179- Optimization of Conventional and Green Vehicles Composition under Carbon Emission Cap			
	368.	sustainability-1251179R1- Optimization of Conventional and Green Vehicles Composition under Carbon Emission Cap			
	369.	sustainability-1237890- Research on decision optimization model of microgrid participating in spot market transaction			
	370.	sustainability-1237890R1- Research on decision optimization model of microgrid participating in spot market transaction			
	371.	sustainability-1154622 - Intelligent Approach for Active and Reactive Power Control in Grid Connected Solar Photovoltaic System			
	372.	sustainability-1154622R1- Intelligent Approach for Active and Reactive Power Control in Grid Connected Solar Photovoltaic System			
48		<b>Future internet <a href="https://www.mdpi.com/journal/futureinternet">https://www.mdpi.com/journal/futureinternet</a></b>	BDI	2	12
	373.	futureinternet-1448280 - Securing IoT Devices against Differential-Linear (DL) Attack used on Serpent algorithm			
	374.	futureinternet-1448280R1 - Securing IoT Devices against Differential-Linear (DL) Attack used on Serpent algorithm			

49		<b>Optics <a href="https://www.mdpi.com/journal/optics">https://www.mdpi.com/journal/optics</a></b>	<b>BDI</b>	<b>2</b>	<b>12</b>
	375.	optics-1405224 - Electrical characterization method for resonance performance of photo-elastic modulators			
	376.	optics-1405224R1 - Electrical characterization method for resonance performance of photo-elastic modulators			
			<b>TOTAL</b>		<b>3552</b>

## 6. Premii

Nr crt.	Premiul	Sucategoria	Punctaj
1	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 2020 pentru lucrarea <i>A Novel Algorithm with Multiple Consumer Demand Response Priorities in Residential Unbalanced LV Electricity Distribution Networks</i> publicata in jurnalul Mathematics <a href="https://uefiscdi.gov.ro/resource-824820-precisi_lista-1_partial-2_rezultate-eligibilitate_articole-2020_.pdf?&amp;wtok=&amp;wtkps=XU5ZasMwEL2LvhtHlyFkjX9yghDICVyP7A5YcbC8pATfPZJb6PI1b97Gq9HiM6JGEZIEFdEoFLCo1nL3HqDt2a2h7uZxpttipPL9oJye3KcfDxTuztoDPZT70DkLKDjfVGHgG5wmUdVJee5y+P0kL2MJ0IXbtk9oKGbKaJPLLAqi++1yPWorValKacq9NEV/mDcFYDSAhq8JZk+d/2VAovhrTNNWn4FOKAw0974Yxq6YfcuxIS4W9mtRjxM3Qy+q7QU=&amp;wchk=20b953a24c2cc61b474b8ca651f69217f6bacb92">https://uefiscdi.gov.ro/resource-824820-precisi_lista-1_partial-2_rezultate-eligibilitate_articole-2020_.pdf?&amp;wtok=&amp;wtkps=XU5ZasMwEL2LvhtHlyFkjX9yghDICVyP7A5YcbC8pATfPZJb6PI1b97Gq9HiM6JGEZIEFdEoFLCo1nL3HqDt2a2h7uZxpttipPL9oJye3KcfDxTuztoDPZT70DkLKDjfVGHgG5wmUdVJee5y+P0kL2MJ0IXbtk9oKGbKaJPLLAqi++1yPWorValKacq9NEV/mDcFYDSAhq8JZk+d/2VAovhrTNNWn4FOKAw0974Yxq6YfcuxIS4W9mtRjxM3Qy+q7QU=&amp;wchk=20b953a24c2cc61b474b8ca651f69217f6bacb92</a>	CNCSIS	15
2	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 2020 pentru lucrarea <i>An Advanced Decision Support Platform in Energy Management to Increase Energy Efficiency for Small and Medium Enterprises</i> publicata in jurnalul Applied Sciences <a href="https://uefiscdi.gov.ro/resource-824820-precisi_lista-1_partial-2_rezultate-eligibilitate_articole-2020_.pdf?&amp;wtok=&amp;wtkps=XU5ZasMwEL2LvhtHlyFkjX9yghDICVyP7A5YcbC8pATfPZJb6PI1b97Gq9HiM6JGEZIEFdEoFLCo1nL3HqDt2a2h7uZxpttipPL9oJye3KcfDxTuztoDPZT70DkLKDjfVGHgG5wmUdVJee5y+P0kL2MJ0IXbtk9oKGbKaJPLLAqi++1yPWorValKacq9NEV/mDcFYDSAhq8JZk+d/2VAovhrTNNWn4FOKAw0974Yxq6YfcuxIS4W9mtRjxM3Qy+q7QU=&amp;wchk=20b953a24c2cc61b474b8ca651f69217f6bacb92">https://uefiscdi.gov.ro/resource-824820-precisi_lista-1_partial-2_rezultate-eligibilitate_articole-2020_.pdf?&amp;wtok=&amp;wtkps=XU5ZasMwEL2LvhtHlyFkjX9yghDICVyP7A5YcbC8pATfPZJb6PI1b97Gq9HiM6JGEZIEFdEoFLCo1nL3HqDt2a2h7uZxpttipPL9oJye3KcfDxTuztoDPZT70DkLKDjfVGHgG5wmUdVJee5y+P0kL2MJ0IXbtk9oKGbKaJPLLAqi++1yPWorValKacq9NEV/mDcFYDSAhq8JZk+d/2VAovhrTNNWn4FOKAw0974Yxq6YfcuxIS4W9mtRjxM3Qy+q7QU=&amp;wchk=20b953a24c2cc61b474b8ca651f69217f6bacb92</a>	CNCSIS	15

3	<p>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, Premiarea rezultatelor cercetarii – articole, in anul 2020 pentru lucrarea <i>A New Vision on the Prosumers Energy Surplus Trading Considering Smart Peer-to-Peer Contracts</i> publicata in jurnalul Mathematics <a href="https://uefiscdi.gov.ro/resource-824820-precisi_lista-1_partial-2_rezultate-eligibilitate_articole-2020_.pdf?&amp;wtok=&amp;wtkps=XU5ZasMwEL2LvhtHlyFkjX9yghDICVyP7A5YcbC8pATfPZJb6PI1b97Gg9HiM6JGEZIEFdEoFLCo1nL3HqDt2a2h7uZxpttipPL9oJye3KcfDxTuztoDPZT70DkLKDjfVGHgG5wmUdVJee5y+P0kL2MJ0IXbtk9oKGBKaJPLLAqi++1yPWorValKacq9NEV/mDcFYDSAhg8JZk+d/2VAovhrTNNWn4FOKAw0974Yxq6YfcuXIS4W9mtRjxM3Qy+q7QU=&amp;wchk=20b953a24c2cc61b474b8ca651f69217f6bacb92">https://uefiscdi.gov.ro/resource-824820-precisi_lista-1_partial-2_rezultate-eligibilitate_articole-2020_.pdf?&amp;wtok=&amp;wtkps=XU5ZasMwEL2LvhtHlyFkjX9yghDICVyP7A5YcbC8pATfPZJb6PI1b97Gg9HiM6JGEZIEFdEoFLCo1nL3HqDt2a2h7uZxpttipPL9oJye3KcfDxTuztoDPZT70DkLKDjfVGHgG5wmUdVJee5y+P0kL2MJ0IXbtk9oKGBKaJPLLAqi++1yPWorValKacq9NEV/mDcFYDSAhg8JZk+d/2VAovhrTNNWn4FOKAw0974Yxq6YfcuXIS4W9mtRjxM3Qy+q7QU=&amp;wchk=20b953a24c2cc61b474b8ca651f69217f6bacb92</a></p>	CNCSIS	15
4	<p>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, Premiarea rezultatelor cercetarii – articole, in anul 2020 pentru lucrarea <i>Optimal Phase Load Balancing in Low Voltage Distribution Networks Using a Smart Meter Data Based Algorithm</i>, publicata in jurnalul Mathematics <a href="https://uefiscdi.gov.ro/resource-824264-precisi_lista-1_partial-3_rezultate-eligibilitate_articole-2020_.pdf?&amp;wtok=&amp;wtkps=XU5LDslgEL0La61MkRSnG09gTDxBA2hIQUhpbT3YVq4mc1b94vr8EKp4gMSTSK1BF5giA6N0LzMPJupXNuEJWzAe6hfUQXwAtOdditobetHOxabWXwLlcBicm3RMLhDfY9gZukTlvsvp/kNSiA7up5XjZIFTPFgc9IFRklwvV42rCKlqIUllulNEU/zKoE4AyAwWsCX1KHvwxQJL/GNG3UGbCEnFeD1YXvLsWgzyZKZYqb0WPRdL2R3pJ6fql=&amp;wchk=172db632aeb47c7292fcf3a0408dde5be7d69c0f">https://uefiscdi.gov.ro/resource-824264-precisi_lista-1_partial-3_rezultate-eligibilitate_articole-2020_.pdf?&amp;wtok=&amp;wtkps=XU5LDslgEL0La61MkRSnG09gTDxBA2hIQUhpbT3YVq4mc1b94vr8EKp4gMSTSK1BF5giA6N0LzMPJupXNuEJWzAe6hfUQXwAtOdditobetHOxabWXwLlcBicm3RMLhDfY9gZukTlvsvp/kNSiA7up5XjZIFTPFgc9IFRklwvV42rCKlqIUllulNEU/zKoE4AyAwWsCX1KHvwxQJL/GNG3UGbCEnFeD1YXvLsWgzyZKZYqb0WPRdL2R3pJ6fql=&amp;wchk=172db632aeb47c7292fcf3a0408dde5be7d69c0f</a></p>	CNCSIS	15
5	<p>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, Premiarea 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 <a href="https://uefiscdi.gov.ro/resource-868119-precisi2021_lista-2_rezultate-eligibilitate-art-2021_18.11.2021_.pdf?&amp;wtok=&amp;wtkps=XY5NjslwDIXvkjWUOsFNcDdzAoTECUoTBmvozzQEaKvenbRiwcZkz37ve3JBmkZPioRnK3JPKEm4olvnjwxtxjWgG9rhjM6W/aX/7aUJ92rb1Wa9O+HwvKyBNSN3MwskeJ6xAuEtm4iL6lZLnb1ucQsk4F0l0/T8kJP/XzK4iUGNAIr2/pw3CidSiNNimYpjagEQAWgQK3+moALtf/HQPrJvF97uFmoqKrGhqtLmu47Ce7MvrSc3Nk9kqK7cdlcRT69AA==&amp;wchk=22e48a856b6a6d91b86874e2439d2f38477f0a4a">https://uefiscdi.gov.ro/resource-868119-precisi2021_lista-2_rezultate-eligibilitate-art-2021_18.11.2021_.pdf?&amp;wtok=&amp;wtkps=XY5NjslwDIXvkjWUOsFNcDdzAoTECUoTBmvozzQEaKvenbRiwcZkz37ve3JBmkZPioRnK3JPKEm4olvnjwxtxjWgG9rhjM6W/aX/7aUJ92rb1Wa9O+HwvKyBNSN3MwskeJ6xAuEtm4iL6lZLnb1ucQsk4F0l0/T8kJP/XzK4iUGNAIr2/pw3CidSiNNimYpjagEQAWgQK3+moALtf/HQPrJvF97uFmoqKrGhqtLmu47Ce7MvrSc3Nk9kqK7cdlcRT69AA==&amp;wchk=22e48a856b6a6d91b86874e2439d2f38477f0a4a</a></p>	CNCSIS	15

6	Premiu UEFISCDI prin programul Planul National de Cercetare, Dezvoltare si Inovare pentru perioada 2015-2021, PNCDI III, Programul Dezvoltarea sistemului national de cercetare-dezvoltare, Subprogramul 1.1. – Resurse Umane, Premiarea rezultatelor cercetarii – articole, in anul 2020 pentru lucrarea New Market Model with Social and Commercial Tiers for Improved Prosumer Trading in Microgrids, publicata in jurnalul Sustainability <a href="https://uefiscdi.gov.ro/resource-868117-precisi2021_lista-2_rezultate-eligibilitate-art-2020_18.11.2021.pdf?&amp;wtok=&amp;wtkps=XY5NjswDIXvkjWUOsFNcDdzAoTECUoTBmvozzQEaKvenbRiwcZKz37ve3JBmkZPIOhRnK3JPKE4olvnjwxtxjWgG9rhjM6W/aX/7aUJ92rb1Wa9O+HwvKyBNSN3MwskeJ6xAuEtm4iL6lzLnb1ucQsk4F0l0/T8kJP/XzK4iUGNAIr2/pw3CidSiNNimYpjagEQAWgQK3+moALtf/HQPrJvF97uFmoqKrGhqtLmu47Ce7MvrSc3Nk9kqK7cdlcRT69AA==&amp;wchk=22e48a856b6a6d91b86874e2439d2f38477f0a4a">https://uefiscdi.gov.ro/resource-868117-precisi2021_lista-2_rezultate-eligibilitate-art-2020_18.11.2021.pdf?&amp;wtok=&amp;wtkps=XY5NjswDIXvkjWUOsFNcDdzAoTECUoTBmvozzQEaKvenbRiwcZKz37ve3JBmkZPIOhRnK3JPKE4olvnjwxtxjWgG9rhjM6W/aX/7aUJ92rb1Wa9O+HwvKyBNSN3MwskeJ6xAuEtm4iL6lzLnb1ucQsk4F0l0/T8kJP/XzK4iUGNAIr2/pw3CidSiNNimYpjagEQAWgQK3+moALtf/HQPrJvF97uFmoqKrGhqtLmu47Ce7MvrSc3Nk9kqK7cdlcRT69AA==&amp;wchk=22e48a856b6a6d91b86874e2439d2f38477f0a4a</a>	CNCSIS	15
			90

#### 3.7.4. Membru în academii, organizații

Nr crt.	Subcategorii (National / International)	Asociații profesionale	Punctaj
1.	National	Societatea inginerilor absolvenți din Iași (SETIS)	2
2.	National	Comitetul Național Român al Consiliului Mondial al Energiei (CNR-CME)	2
3.	International	International Association of Engineers (IAENG)	5
4.	International	World Academy of Science, Engineering and Technology (WASET)	5
5.	International	International Association of Online Engineering (IAOE)	5
6.	International	Institute of Electrical and Electronics Engineers (IEEE)	5
7.	International	Society of Digital Information and Wireless Communications (SDIWC)	5
			29

**Data:**  
07.01.2022

**Candidat,**  
Șef lucr. dr. ing. Bogdan-Constantin Neagu