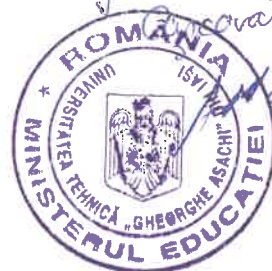**UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" DIN IAŞI**
FACULTATEA DE INGINERIE ELECTRICĂ, ENERGETICĂ ȘI INFORMATICĂ APLICATĂ
DEPARTAMENTUL DE ENERGETICĂ

Avizat,
Rector
Prof. univ. dr. ing. Dan ... oval

FIŞA DE VERIFICARE
a îndeplinirii standardelor minimale naţionale pentru postul de conferenţiar universitar

Cadru didactic: Bogdan-Constantin Neagu / **Data naşterii**: 04.07.1984 / **Funcţia actuală** Conferenţiar universitar.

Data numirii în funcţia actuală: 21.02.2022 (Decizia TUIASI nr. 535/21.02.2022) **Instituţia**: Universitatea Tehnică "Gheorghe Asachi din Iași

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

Nr crt.	Domeniul de activitate	Conditii Conferenţiar	Punctaj obtinut
	Conditii minimale		
1	Activitate didactica/profesionala (A1)	120	709.90
2	Activitate de cercetare (A2)	360	1663.003
3	Recunoaster ea si impactul activitatii (A3)	120	4285.99
	TOTAL (puncte)	**600**	**6658.893**

Data:
25.09.2023

Candidat,
Conf. dr. ing. Bogdan-Constantin Neagu

Tabelul 2. Structura activitatii si punctajele realizate

Nr. crt.	Domeniul activităţilor	Tipul activităţilor	Categorii şi restricţii	Subcategorii	Indicatori (k$_{pi}$)	Realizari	Punctaj
0	1	2	3	4	5		
1	Activitatea didactică şi profesională (A1)	1.1 Cărţi şi capitole în cărţi de specialitate	1.1.1 Cărţi cu ISBN/ capitole ca autor; minim 2	1.1.1.1 internaţionale	nr. pagini/(2*nr. autori)	3 carti 8 capitole (5 p.a.)	170.08
				1.1.1.2 naţionale	nr. pagini/(5*nr. autori)	6 cărți	264.12
			1.1.2 Cărţi/ capitole de cărţi ca editor/coordonator	1.1.2.1 internaţionale	nr. pagini/(3*nr. autori)	-	-
				1.1.2.2 naţionale	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 /aplicaţii; minim 1		nr. pagini/(20*nr. autori)	4 (4 p.a.)	49.7
		1.3 Coordonare de programe de studii, organizare şi coordonare programe de formare continuă şi proiecte educaţionale	Punctaj unic pentru fiecare activitate			3 programe de studiu	30
		TOTAL					**709.9**
2	Activitatea de cercetare (A2)	2.1 Articole în extenso în reviste cotate WOS Thomson-Reuters, în volume proceedings indexate WOS Thomson-Reuters *) şi brevete indexate WOS Derwent	Minim 7 articole, din care minim 2 în reviste		(25+20*factor impact)/nr. de autori	91 (din care 29 în reviste)	957,023
		2.2 Articole în reviste şi volumele unor manifestări ştiinţifice indexate în alte baze de date internaţionale	Minim 15 articole		20/nr. de autori	79 (din care 42 în reviste)	561,98
		2.3 Brevete de invenţie indexate în alte baze de date		2.3.1 internaţionale	25/nr. de autori		0
				2.3.2 naţionale	15/nr. de autori		0
		2.4 Granturi/proiecte câştigate prin competiţie	2.4.1 Director/ responsabil - Minim 1	2.4.1.1 internaţionale	20*ani de desfăşurare		122
				2.4.1.2 naţionale	10*ani de desfăşurare	2 (director responsabil	
			2.4.2 membru în	2.4.2.1	4*ani de	7	

			echipa	internaţionale	desfăşurare	
				2.4.2.2 naţionale	2*ani de desfăşurare	9	
		2.5 Contracte de cercetare/consultanţă (valoare echivalentă de minim 2 000 Euro)	2.5.1 Responsabil		5*ani de desfăşurare		
			2.5.2 Membru echipa		2*ani de desfăşurare	7	22
		TOTAL					**1663.003**
3	Recunoaşterea şi impactul activităţii (A3)	3.1 Citări în reviste WOS şi volumele conferinţelor WOS		3.1.2 WOS (minim 4 citări)	5/nr. autori ai art. citat	142 citari	216.9
		3.2. Citări în reviste şi volumele conferinţelor 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 ştiinţifice naţionale şi internaţionale şi Profesor invitat (exclusiv POS, ERASMUS)	Punctaj unic pentru fiecare activitate	3.3.1 internaţionale	20		0
				3.3.2 naţionale	5		0
		3.4 Membru în colectivele de redacţie sau comitete ştiinţifice al revistelor şi manifestărilor ştiinţifice, Organizator de manifestări ştiinţifice, Recenzor pentru reviste şi manifestări ştiinţifice naţionale şi internaţionale (punctajul se acorda pentru fiecare, revistă, manifestare ştiinţifică şi recenzie)		3.4.1 ISI	10		3902
				3.4.2 BDI	6		
				3.4.3 naţionale şi internaţionale neindexate	3		
		3.5 Referent în comisii de doctorat		3.5.1 internaţionale	10		0
				3.5.2 naţionale	5		0
		3.6 Premii		Academia Romana	30		0
				ASAS, AOSR, academii de ramura şi CNCS	15	4	90
				premii internaţionale	10		0
				premii naţionale în	5		0

				domeniu			
3.7 Membru în academii, organizaţii, asociaţii profesionale de prestigiu, naţionale şi internaţionale, apartenenţă la organizaţii din domeniul educaţiei şi cercetării	3.7.1 Academia Romana			100		0	
	3.7.2 ASAS, AOSR şi academii de ramură			30		0	
	3.7.3 Conducere asociaţii profesionale	Internaţionale		30		0	
		naţionale		10		0	
	3.7.4 Asociaţii profesionale	Internaţionale		5	5	25	
		naţionale		2	2	4	
	3.7.5 Consilii şi organizaţii în domeniul educaţiei şi cercetării	Conducere		15		0	
		Membru		10		0	
TOTAL						**4285.99**	

Conf. 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	2.25	**Bogdan-Constantin Neagu**, Mihai Gavrilaș, Ovidiu Ivanov, Gheorghe Grigoraș, *The Crowdsourcing Concept-Based Data Mining Approach Applied in Prosumer Microgrids*, Capitolul 5 in cartea *The Future of Data Mining*, Editor Cem Ufuk Baytar, Nova Science Publishers, USA, 2022, pp. 77 – 94, ISBN: 978-1-53618-508-9	18
2.	International	6.75	Gheorghe Grigoraş, **Bogdan-Constantin Neagu**, *Regression Analysis-Based Load Modelling for Electric Distribution Networks*, Capitol in cartea *Numerical Methods for Energy Applications*, Editori: Naser Mahdavi Tabatabaei, Nicu Bizon, Springer International Publishing, Switzerland, Capitolul 28, 2021,ISBN: 978-3-030-62190-2	27
3.	International	4.33	Eduard Lunca, **Bogdan-Constantin Neagu**, Silviu Vornicu, *Finite Element Analysis of Electromagnetic Fields Emitted by Overhead High-Voltage Power Lines, In Numerical Methods for Energy Applications*, Editori: Naser Mahdavi Tabatabaei, Nicu Bizon, Springer International Publishing, Switzerland, Capitolul 29, 2021,ISBN: 978-3-030-62190-2	26
4.	International	10	**Bogdan-Constantin Neagu**, Gheorghe Grigoraş, *Decision-Making Strategies with Clustering Based Unsupervised Learning for Smart Grids Planning*, Capitol in cartea *An Introduction to Approaches and Modern Applications with Ensemble Learning*, Editor: Yi-Tung Chan, Nova Science Publishers, USA, 2020, ISBN: 978-1-53618-680-2	40
5.	International	5	**Bogdan-Constantin Neagu**, Mihai Gavrilaș, *Optimal Placement of Energy Storage Systems in Prosumer Microgrids*, Capitolul 7 in cartea *Advances in Engineering Research*, Editor Victoria M. Petrova, Nova Science Publishers, USA, 2020, pp. 253 – 273, ISBN: 978-1-53618-508-9	20
6.	International	7	Gheorghe Grigoraş, Ovidiu Ivanov, **Bogdan-Constantin Neagu**, Pragma Kar, *Smart Metering Based Strategies for Improving Energy Efficiency in Microgrid*, Capitol in cartea *Microgrid Architectures, Control and Protection Methods*, Editori: Naser Mahdavi Tabatabaei, Ersan Kabalci, Nicu Bizon, Springer International Publishing, Switzerland, pp. 463 – 490, 2020,ISBN: 978-3-030-23722-6.	28
7.	International	35	Mihai Gavrilas, **Bogdan-Constantin Neagu**, *Enhanced metaheuristic search algorithms. Applications in the management of electricity distribution systems*, LAP Lambert Academic Publishing, ISBN 978-620-2-51263-3, Riga, Latvia, 2020.	140
8.	International	38	Gheorghe Grigoraş, **Bogdan-Constantin Neagu***, Ovidiu Ivanov, Mihai Gavrilas, Florina Scarlatache, Smart Meter Data-based Strategies in the Optimal Operation of Electric Distribution Systems*, Lambert Academic Publishing, Riga, Lituania, 264 pg. (**76 pg. Neagu**), 2019, 978-620-0-50306-0	264 pag./ 76 pag. Neagu
9.	International	4	**Bogdan-Constantin Neagu**, Gheorghe Grigoraş, Ovidiu Ivanov, *The Optimal Operation of Active Distribution Networks based on Smart Metering*, Capitol in cartea *Advanced Communication and Control Methods for Future Smartgrid,* Editor: Taha Selim Ustun, IntechOpen, Londra, UK, 2019, ISBN: 978-1-78984-105-3	24

Nr crt		Rezultate (punctaje)	Titlul (titlul, autorii, nr. pagini, website)	Nr pagini
10.	International	13.75	**Bogdan-Constantin Neagu**, Gheorghe Grigoraş, *The Assessment of Power Quality in Electric Distribution Systems from Romania*, capitol in cartea *Advances in Energy Research*, Editor Morena J. Acosta, Nova Science Publishers, USA, pp. 157 – 211, 55 pg., 2017, ISBN: 978-1-53612-699-0.	55
11.	International	44	Gheorghe Grigoraş, Florina Scarlatache, **Bogdan-Constantin Neagu**, *Clustering in Power Systems. Applications*, Lambert Academic Publishing, Germania, 2016, ISBN: 978-3-330-01545-6.	264
	TOTAL	**167.83**		
12.	National	6.86	Ivas Dumitru, **Bogdan-Constantin Neagu**, Atudori Monica, *100 de ani de învăţământ electrotehnic la Iaşi*, capitol în cartea Formarea specialiştilor sistemului energiei electrice si termice din Romania, coord. Zonel Vasiliu, Editura AGIR, București, Romania, 2017, ISBN 978-973-720-680-0, (103 pag. Neagu B.C.).	103
13.	National	59.6	Gheorghe Georgescu, **Bogdan-Constantin Neagu,** *Analiza regimurilor permanente de funcţionare ale reţelelor electrice din sistemul electroenergetic*, Vol. 2, Ed. PIM, Iaşi, 2014, (596 pag), ISBN 978-606-13-2128-5.	596
14.	National	56.8	Gheorghe Georgescu, **Bogdan-Constantin Neagu**, *Analiza regimurilor permanente de funcţionare ale reţelelor electrice din sistemul electroenergetic*, Vol. 1, Ed. PIM, Iaşi, 2014, (568 pag), ISBN 978-606-13-2127-8.	568
15.	National	56.6	Gheorghe Georgescu, **Bogdan-Constantin Neagu**, *Proiectarea şi exploatarea asistată de calculator a sistemelor publice de repartiţie şi distribuţie a energiei electrice*, Vol. 2, Editura Pim, Iaşi, 2012, (566 pag.), ISBN 978-606-13-088-6-6.	566
16.	National	39.06	Gheorghe Georgescu, **Bogdan-Constantin Neagu**, Romeo Ciobanu, *Proiectarea şi exploatarea asistată de calculator a sistemelor publice de repartiţie şi distribuţie a energiei electrice*, Vol. 1, partea a-II-a, Ed. Pim, Iaşi, 2011, (586 pag), ISBN 978-606-13-0148-5.	586
17.	National	45.2	Gheorghe Georgescu, **Bogdan-Constantin Neagu**, Proiectarea şi exploatarea asistată de calculator a sistemelor publice de repartiţie şi distribuţie a energiei electrice, Vol. 1, partea I-a, Ed. Fundaţiei Academice AXIS, Iaşi, 2010, (452 pag), ISBN 978-973-7742-87-2.	452
	TOTAL	**264,12**		

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	**Bogdan-Constantin Neagu,** Gheorghe Georgescu, *Strategia planificării sistemelor de distribuție*, vol. 1, Editura PIM, Iași, Romania, 2017, ISBN 978-606-13-3994-5 (290 pag. Neagu B.C.).	290
2	26.4	**Bogdan-Constantin Neagu**, *Strategia planificării sistemelor de distribuție*, vol. 2, Editura PIM, Iași, Romania, 2018, ISBN 978-606-13-4696-7	264
3	28.4	**Bogdan-Constantin Neagu**, Transportul şi Distribuţia Energiei Electrice, Suport de curs (prezentari PowerPoint), 284 pag. www.bogdan-neagu.ieeia.tuiasi.ro/didactic/tdee	284
	42	**Bogdan-Constantin Neagu**, *Management energetic Gestiunea Energiei,* 420 pag, (http://www.efen.ieeia.tuiasi.ro/curs_manager):	420
5	36.4	**Bogdan-Constantin Neagu**, *Management energetic Audit Termoenergetic,* 364 pag, (http://www.efen.ieeia.tuiasi.ro/curs_manager):	364
6	38.3	**Bogdan-Constantin Neagu**, *Management energetic Audit Electroenergetic,* 383 pag, (http://www.efen.ieeia.tuiasi.ro/curs_manager):	383
	166		

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	**Bogdan-Constantin Neagu**, *Transportul și distribuția energiei electrice II. Lucrări de laborator bazate pe simulări software*, Editura PIM, Iași, Romania, 2021, ISBN 978-606-13-5340-8.	128
	14.3	**Bogdan-Constantin Neagu**, *Transportul și distribuția energiei electrice, Elemente constructive ale rețelelor electrice*, Editura PIM, Iași, Romania, 2020, ISBN 978-606-13-5340-8.	286
2	17.3	**Bogdan-Constantin Neagu**, *Transportul şi distribuţia energiei electrice. Lucrări practice de laborator*, Publicare online, Iaşi, 2018, http://iota.ee.tuiasi.ro/~bogdan.neagu/laboratoare.html (346 pag).	346
3	11.7	**Bogdan-Constantin Neagu**, *Transportul şi distribuţia energiei electrice. Analiza asistata de calculator*, Publicare online, Iaşi, 2018, http://iota.ee.tuiasi.ro/~bogdan.neagu/soft.html (234 pag).	234
	49.7	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 - prezent
2	10	Coordonator Progam de formare continuă Auditor Termoenergetic, 2018 - prezent
3	10	Coordonator Progam de formare continuă Gestiunea Energiei, 2018 - prezent
	30	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 lucrarii, revista/proceedings, pag (de la – pana la), vol….,	FI
0	1	*2*	3
1.	17.483	Hathaliya Jigna, Hetav Modi, Rajesh Gupta, Sudeep Tanwar, Fayez Alqahtani, Magdy Elghatwary, **Bogdan-Constantin Neagu** și Maria Simona Raboaca. "Stacked Model-Based Classification of Parkinson's Disease Patients Using Imaging Biomarker Data." Biosensors 12, no. 8 (2022): 579.	5.743
2.	7.684	Hathaliya Jigna, Raj Parekh, Nisarg Patel, Rajesh Gupta, Sudeep Tanwar, Fayez Alqahtani, Magdy Elghatwary, Ovidiu Ivanov, Maria Simona Raboaca, and **Bogdan-Constantin Neagu**. "Convolutional Neural Network-Based Parkinson Disease Classification Using SPECT Imaging Data." Mathematics 10, no. 15 (2022): 2566.	2.592
3.	14.563	Kumar Sandeep, Shilpa Rani, Arpit Jain, Chaman Verma, Maria Simona Raboaca, Zoltán Illés, and **Bogdan Constantin Neagu**. "Face Spoofing, Age, Gender and Facial Expression Recognition Using Advance Neural Network Architecture-Based Biometric System." Sensors 22, no. 14 (2022): 5160.	3.847
4.	9.605	Sandesara Mudita, Umesh Bodkhe, Sudeep Tanwar, Mohammad Dahman Alshehri, Ravi Sharma, **Bogdan-Constantin Neagu**, Gheorghe Grigoras, and Maria Simona Raboaca. "Design and Experience of Mobile Applications: A Pilot Survey." Mathematics 10, no. 14 (2022): 2380.	2,592
5.	12.807	Kaur Manpreet, Shikha Gupta, Deepak Kumar, Chaman Verma, **Bogdan-Constantin Neagu**, and Maria Simona Raboaca. "Delegated Proof of Accessibility (DPoAC): A Novel Consensus Protocol for Blockchain Systems." Mathematics 10, no. 13 (2022): 2336.	2,592
6.	9.605	Mankodiya Harsh, Dhairya Jadav, Rajesh Gupta, Sudeep Tanwar, Abdullah Alharbi, Amr Tolba, **Bogdan-Constantin Neagu**, and Maria Simona Raboaca. "XAI-Fall: Explainable AI for Fall Detection on Wearable Devices Using Sequence Models and XAI Techniques." Mathematics 10, no. 12 (2022): 1990.	2,592
7.	12.743	Tanwar Sudeep, Aparna Kumari, Darshan Vekaria, Maria Simona Raboaca, Fayez Alqahtani, Amr Tolba, **Bogdan-Constantin Neagu**, and Ravi Sharma. "GrAb: A deep learning-based data-driven analytics scheme for energy theft detection." Sensors 22, no. 11 (2022): 4048.	3,847
8.	9.605	Kalariya Vasu, Pushpendra Parmar, Patel Jay, Sudeep Tanwar, Maria Simona Raboaca, Fayez Alqahtani, Amr Tolba, and **Bogdan-Constantin Neagu**. "Stochastic Neural Networks-Based Algorithmic Trading for the Cryptocurrency Market." Mathematics 10, no. 9 (2022): 1456.	2,592
9.	16.352	Grigoraș Gheorghe, **Bogdan-Constantin Neagu**, Ovidiu Ivanov, Bogdan Livadariu, and Florina Scarlatache. "A New SQP Methodology for Coordinated Transformer Tap Control Optimization in Electric Networks Integrating Wind Farms." Applied Sciences 12, no. 3 (2022): 1129.	2,838
10.	19,700	Jasim Ali M., Basil H. Jasim, **Bogdan-Constantin Neagu**, and Bilal Naji Alhasnawi. "Coordination Control of a Hybrid AC/DC Smart Microgrid with Online Fault Detection, Diagnostics, and Localization Using Artificial Neural Networks." Electronics 12, no. 1 (2022): 187.	2,690
11.	15,370	Jasim, Ali M., Basil H. Jasim, **Bogdan-Constantin Neagu**, and Bilal N aji Alhasnawi. "Efficient Optimization Algorithm-Based Demand-Side Management Program for Smart Grid Residential Load." Axioms 12, no. 1 (2022): 33.	1,824
12.	26.267	Jasim, Ali M., Basil H. Jasim, and **Bogdan-Constantin Neagu**. "A new decentralized PQ control for parallel inverters in grid-tied microgrids propelled by SMC-based buck–boost converters." Electronics 11, no. 23 (2022): 3917.	2,690
13.	10.220	Kakkar Riya, Rajesh Gupta, Smita Agrawal, Sudeep Tanwar, Ravi Sharma, Ahmed Alkhayyat, **Bogdan-Constantin Neagu**, and Maria Simona Raboaca. "A Review on Standardizing Electric Vehicles Community Charging Service Operator Infrastructure." Applied Sciences 12, no. 23 (2022): 12096.	2,838
14.	11.420	Munshi Manushi, Manan Patel, Fayez Alqahtani, Amr Tolba, Rajesh Gupta, Nilesh Kumar Jadav, Sudeep Tanwar, **Bogdan-Constantin Neagu**, and Alin Dragomir. "Artificial Intelligence and Exploratory-Data-Analysis-Based Initial Public Offering	3,889

		Gain Prediction for Public Investors." Sustainability 14, no. 20 (2022): 13406.	
15.	8,538	Mankodiya Harsh, Priyal Palkhiwala, Rajesh Gupta, Nilesh Kumar Jadav, Sudeep Tanwar, **Bogdan-Constantin Neagu**, Gheorghe Grigoras, Fayez Alqahtani, and Ahmed M. Shehata. "A Real-Time Crowdsensing Framework for Potential COVID-19 Carrier Detection Using Wearable Sensors." Mathematics 10, no. 16 (2022): 2927.	2,592
16.	14.032	Ovidiu Ivanov; **Bogdan-Constantin Neagu**; 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
17.	14.032	Gherghe Grigoras, **Bogdan-Constantin Neagu**, 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
18.	10.02	Gheorghe Grigoraș, Livia Noroc, Ecaterina Chelaru, Florina Scarlatache, **Bogdan-Constantin Neagu**, 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
19.	15.39	Alexandru Kriukov, Mihai Gavrilaș, Ovidiu Ivanov, Gherghe Grigoraș, **Bogdan-Constantin Neagu**, 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
20.	18.235	Ovidiu Ivanov, **Bogdan-Constantin Neagu**, Mihai Gavrilas, Gheorghe Grigoraș, 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
21.	39.290	Gheorghe Grigoras, **Bogdan-Constantin Neagu**, 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
22.	14.032	Gheorghe Grigoras, **Bogdan-Constantin Neagu**, 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
23.	14.588	Florina Scarlatache, Gheorghe Grigoraș, Vlad-Andrei Scarlatache, **Bogdan-Constantin Neagu**, 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
24.	18.004	**Bogdan-Constantin Neagu**, 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
25.	17.540	**Bogdan-Constantin Neagu**, 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
26.	11.693	Ovidiu Ivanov, Samiran Chattopadhyay, Soumya Banerjee, **Bogdan-Constantin Neagu**, 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
27.	42.540	Gheorghe Grigoras, **Bogdan-Constantin Neagu**, 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
28.	21.270	Ovidiu Ivanov, **Bogdan-Constantin Neagu**, Gheorghe Grigoras, Mihai Gavrilas, Optimal Capacitor Bank Allocation in Electricity Distribution Networks Using Metaheuristic Algorithms. Energies 2019, 12, 4239, Accession Number:	3.004

		WOS:000504898500017	
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Nr crt	Rezultate (punctaje)	Autorii, titlul lucrarii, revista, pag (de la – pana la), vol….,
1.	5	Gheorghe Grigoras, Vasilica Dandea, **Bogdan-Constantin Neagu**, Florina Scarlatache, Load Estimation with the Clustering-Based Selection of the Electric Distribution Substations Integrated in SCADA System, 10th International Conference on ENERGY and ENVIRONMENT (CIEM), 14 – 15 Octombrie, 2021, Bucuresti, Romania. DOI: 10.1109/CIEM52821.2021.9614718 (IEEE Xplore)
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TOTAL	**551.98**	

2.4. Granturi/proiecte castigate prin competiţie

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	*Platformă software inovativa pentru managementul energetic al consumatorilor finali in vederea cresterii eficientei energetice şi a reducerii emisiilor de carbon, Grant PN-III-P2-2.1-CI-2018-1017, Contract nr. 174CI din 04/07/2018*	Director /Responsabil proiect	49990	10891
2.	National	1 x 10 = 10	*Management inteligent a centralelor electrice virtuale cu ajutorul platformelor software bazate pe inteligenta artificiala, in contextul competitivitatii energetice Europene, Grant PN-III-P2-2.1-CI-2018-1011, Contract nr. 173CI din 02/07/2018*	Director /Responsabil proiect	49750	10839
3.	International	4 x 2 = 8	*2SOFT/1.2/66, din cadrul programului "Joint Operational Programme Romania – Republic of Moldova 2014 – 2020" finanţat 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*	Membru	5287500	1079081

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
			mediului şi climei-HORESEC, Grant PN-III-P1-1.2-PCCDI-2017-0404 / 31PCCDI, 2018-2021			
5.	National	1 x 2 = 2	*Platforma software de asistare a deciziilor în proiectarea ecologică optimă a instalaţiilor electrice cu producere si stocare locală a energiei, în contextul creşterii eficienţei 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 si control integrat al fluxurilor purtatorilor de energie in scopul cresterii eficientei energetice la IMM-uri, Grant PN-III-P2-2.1-CI-2017-0190, Contract 105CI /25.07.2017*	Membru	50000	10893
10.	International	4 x 3 = 12	Terapie Hipertermo-chempterapica combinată pentru controlul tumorilor hepatice, bazată pe activarea cu microunde a unor nanostructuri funcţionalizate imobilizate subendotelioan, Colab PN III ERA NET 4-002/2012, beneficiar Universitatea Tehnică „Gheorghe Asachi" din Iaşi, durata contractului 2012-2014	Membru	790350	158070
11.	International	4 x 4 = 16	PN III ERA NET Contract nr. 50/2016 – Nanoterminale și arhitecturi inovatoare pentru aplicaţii integrate de captare a	Membru	447750	89550

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
			energiei piezoelectrice, 2016-2019			
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	*Instrument software pentru gestiunea tranzactiilor pe piata de energie electrica*, 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 integrati 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-structuraţi, Contract de cercetare nr. 7-042/09.05.2011 (MAGBOND), beneficiar Universitatea Tehnică „Gheorghe Asachi" din Iaşi, 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 Asachi" din Iaşi, durata contractului 2011-2013	Membru	381281	76256
Total		**122**				

2.5. Contracte de cercetare / consultanţă (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	*Determinarea anuală și/sau trimestrială a prognozei de consum propriu tehnologic pentru reteaua de energie electrica din zona de activitate a Delgaz Grid. S.A. pentru anul 2019 Contract nr. 1350P /*	Membru	35000	7000

		14.02.2019				
2.	National	2 x 2 = 4	*Determinarea anuală și/sau trimestrială a prognozei de consum propriu tehnologic pentru reteaua de energie electrica din zona de activitate a Delgaz Grid. S.A. pentru anul 2018 Contract nr. 3105P / 14.02.2018*	Membru	46500	9981
3.	National	2 x 2 = 4	*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*	Membru	44888	9887
4.	National	1 x 2 = 2	*Prestări servicii cercetare: prelucrare MST instantanee şi stabilire locatii MST 1 zi, Contract nr. 12697/05.07.2017, beneficiar: Delgaz Grid S.A*	Membru	9783	2000
5.	National	2 x 2 = 4	*Elaborare studiu - Servicii de consultanță de specialitate în proiectul EON Moldova Distribuție de reducere a pierderilor tehnice în rețelele de distribuție a energiei electrice pentru perioada 2016*; Contract nr. 684P / 21.04.2016; beneficiar: EON Distribuție Romania S.A. - Membru	Membru	60000	13483
6.	National	2 x 2 = 4	*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 Distribuţie S.A. - Membru	Membru	194000	43654
7.	National	1 x 2 = 2	*Servicii de consultanță privitoare la conformitatea intocmirii normei de consum propriu tehnologic în rețelele de distribuție pentru anul 2013*, Contract nr. 26 /2014, beneficiar: E.ON Moldova Distribuţie S.A. - Membru	Membru	10000	2000
	TOTAL	**22**				

3. RECUNOASTERE SI IMPACTUL ACTIVITATII (A3)

3.1 Citări în reviste şi volumele conferinţelor 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	
		Lucrarea care citează	**Tip**	**Punctaj**
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
				15
		Lucrarea citată	**Nr. autori**	
	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	
		Lucrarea care citează	**Tip**	**Punctaj**
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
				2
		Lucrarea citată	**Nr. autori**	
	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	
		Lucrarea care citează	**Tip**	**Punctaj**
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
				2.5
		Lucrarea citată	**Nr. autori**	

	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	
		Lucrarea care citează	**Tip**	**Punctaj**
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
				5
		Lucrarea citată	**Nr. autori**	
	L5	Neagu, B. C., Grigoraş, G., Scarlatache, F. (2017, March). Outliers discovery from Smart Meters data using a statistical based data mining approach. In *Advanced Topics in Electrical Engineering 2017 10th International Symposium on* (pp. 555-558).	**3**	
		Lucrarea care citează	**Tip**	**Punctaj**
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. *Renewable and Sustainable Energy Reviews*, 2017.	ISI	1.66
13.	2	Ge, M., Bangui, H., & Buhnova, B. (2018). Big data for internet of things: A survey. *Future Generation Computer Systems*, *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. Entropy, 23(12), 1645.	ISI	1.66
				8.3
		Lucrarea citată	**Nr. autori**	
	L6	Grigoraş, G., Neagu, B. C., & Scarlatache, F. (2016, June). Estimation of energy losses in distribution transformers using a fuzzy approach. In *Fundamentals of Electrical Engineering (ISFEE), 2016 International Symposium on* (pp. 1-6). IEEE.	3	
		Lucrarea care citează	**Tip**	**Punctaj**
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
				1.66
		Lucrarea citată	**Nr. autori**	
	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 *Industrial Electronics (ISIE), 2017 IEEE 26th International Symposium on*, pp. 106-110, 2017	4	
		Lucrarea care citează		
18.	2	Di Fazio, A. R., Russo, M., & De Santis, M., Zoning Evaluation for Voltage Optimization in Distribution Networks with Distributed Energy Resources. *Energies*, *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
		Lucrarea citată	**Nr. autori**	
21.	L9	Bogdan-Constantin Neagu, **Gheorghe Grigoraş**, 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	**5**	
		Lucrarea care citează		
22.	2	Jararweh, Y., Shehab, M. A., Yaseen, Q., & Al-Ayyoub, M. (2020). Improving classification and clustering techniques using GPUs. Concurrency and Computation: Practice and Experience, 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
		Lucrarea citată	**Nr. autori**	
	L10	**Gheorghe Grigoraş**, Florina Scarlatache, Bogdan-Constantin Neagu, *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	**3**	
		Lucrarea care citează		
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 *2017 5th International Symposium on Electrical and Electronics Engineering (ISEEE)* (pp. 1-6). IEEE.	**ISI**	**1.66**
				1.66
		Lucrarea citată	**Nr. autori**	
	L11	**Gheorghe Grigoraş**, Bogdan-Constantin Neagu, 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	**3**	
		Lucrarea care citează		
25.	1	Cernuşcă, 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. Electric Power Systems Research, 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) Advances in Smart Grid Technology. Lecture Notes in Electrical Engineering, vol 688. Springer, Singapore. https://doi.org/10.1007/978-981-15-7241-8_23	ISI	1.66
28.	4	Victor Adrian Jimenez, Adrian Will, A new data-driven method based on	ISI	1.66

		Niching Genetic Algorithms for phase and substation identification, Electric Power Systems Research, Volume 199, October 2021,.		
				6.64
		Lucrarea citată	**Nr. autori**	
	L12	Bogdan-Constantin Neagu, **Gheorghe Grigoraş**, Florina Scarlatache, *The influence of harmonics on power losses in urban distribution networks*, 16 International Symposium on Fundamentals of Electrical Engineering (ISFEE), Bucureşti, Romania, 2016.	**3**	
		Lucrarea care citează		
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	**1.66**
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	**1.66**
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	**1.66**
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	**1.66**
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	**1.66**
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	**1.66**
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	**1.66**
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	**1.66**
				13.28
		Lucrarea citată	**Nr. autori**	
	L13	Neagu, B. C., Grigoraş, G., & Ivanov, O. (2019, May). An Efficient Peer-to-Peer Based Blokchain Approach for Prosumers Energy Trading in Microgrids. In 2019 8th International Conference on Modern Power Systems (MPS) (pp. 1-4). IEEE.	**3**	
		Lucrarea care citează		
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**	**1.66**
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**	**1.66**
39.	3	Muhammad F. Zia, Mohamed Benbouzid, Elhoussin Elbouchikhi, S. M.	**ISI**	**1.66**

		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		
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
		Lucrarea citată	**Nr. autori**	
	L14	Bogdan-Constantin Neagu, **Gheorghe Grigoraş**, 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	**3**	
		Lucrarea care citează		
48.	1	Cernuşcă, 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
		Lucrarea citată	**Nr. autori**	
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17.	L9	Bogdan-Constantin Neagu, **Gheorghe Grigoraş**, 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	**5**	
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		Lucrarea care citează	**Tip**	
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).	**BDI**	**0.6**
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.	**BDI**	**0.6**
				1.2
		Lucrarea citată	**Nr. autori**	
	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**	
		Lucrarea care citează	**Tip**	
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	**BDI**	**1.5**
				1.5
		Lucrarea citată	**Nr. autori**	

		Lucrarea citată	Nr. autori	
	L22	Grigoraș, G.; Neagu, B.-C.; Gavrilaș, 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**	
		Lucrarea care citează	**Tip**	
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. https://doi.org/10.3390/computation9060067	**BDI**	0.6
				0.6
		Lucrarea citată	**Nr. autori**	
	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)	**2**	
		Lucrarea care citează	**Tip**	
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.	BDI	1.5
				1.5
		Lucrarea citată	**Nr. autori**	3
	L24	Florina Scarlatache, **Gheorghe Grigoraș**, Bogdan-Constantin Neagu, *Decision making methodology based on fuzzy logic in optimal DG location*, 2016 8th International Conference on Electronics, Computers and Artificial Intelligence (ECAI), Ploiesti, Romania, 2016		
		Lucrarea care citează	**Tip**	
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
		Lucrarea citată	**Nr. autori**	4
	L25	Bogdan Neagu, 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.		
		Lucrarea care citează	**Tip**	
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
				1.32
		Lucrarea citată	**Nr. autori**	
	L27	Ovidiu Ivanov, Bogdan Neagu, Mihai Gavrilaș, **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	5	
		Lucrarea care citează	**Tip**	
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 NetworNs via Metaheuristic Algorithms, 2020 International Conference on Pervasive Artificial Intelligence (ICPAI), Taipei, Taiwan 2020	BDI	0.6
				0.6

		Lucrarea citată	**Nr. autori**	**4**
	L30	Ovidiu Ivanov, Bogdan Neagu, Gheorghe Grigoraș, Mihai Gavrilaș, *Capacitor Banks Placement Optimization Improvement Using the Sperm Whale Algorithm*, 11th International Conference on Electronics, Computers and Artificial Intelligence (ECAI), 27-29 Iunie, 2019		
		Lucrarea care citează	**Tip**	
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	**0.75**
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	**0.75**
				1.5
		Lucrarea citată	**Nr. autori**	**3**
	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.		
		Lucrarea care citează		
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
		Lucrarea citată	**Nr. autori**	**3**
	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.		
		Lucrarea care citează		
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
		Lucrarea citată	**Nr. autori**	**3**
	L36	Ivanov, O., Gavrilaş, 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.		
		Lucrarea care citează		
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
		Lucrarea citată	**Nr. autori**	**4**
	L38	Toma, N., Ivanov, O., Neagu, B., & Gavrila, 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.		
		Lucrarea care citează		
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
		Lucrarea citată	**Nr. autori**	3
	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.		
		Lucrarea care citează		
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 (BulEF) (pp. 1-4). IEEE.	BDI	**1**
				1
		Lucrarea citată	**Nr. autori**	3
	L43	Neagu, B., Georgescu, G., & Ivanov, O. (2013). A new approach for electric energy distribution network routes optimization. Bul Bul. Inst. Politehnic, Iaşi, LIX (LXIII), 4, 133-142.		
		Lucrarea care citează		
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
		Lucrarea citată		
	L44	Neagu, B. C., Ivanov, O., & Gavrilaş, 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.		
		Lucrarea care citează	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**
		Lucrarea citată	**Nr. autori**	4
	L45	Gavrilaş, 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.		
		Lucrarea care citează		
49.	1	IRIMIA, D., & BOBRIC, E. C. APLICATION OF INDEPENDENT COMPONENT ANALYSIS IN LOAD PROFILE STUDY.	BDI	**0.75**
				0.75
			TOTAL	48.09

3.3 Prezentari invitate ...

3.4. Membru în colectivele de redacţie sau comitete **ştiinţifice al revistelor şi manifestărilor ştiinţifice**

Nr crt.	Revista/Conferinta	ISI/ BDI	Calitatea	Punctaj
1.	12th International Conference and Exposition on Electrical and Power Engineering (EPE 2022), Iași, Romania, October 18-19, 2020. http://www.epe.tuiasi.ro/2020/wp-content/uploads/2020/10/Program-EPE-2020-final.pdf	BDI	Editor	6
2.	The Seventh International Conference on Green Communications, Computing and Technologies, GREEN 2022, October 16, 2022 to October 20, 2022 - Lisbon, Portugal	ISI	Membru în comitetul științific	10
3.	Applied Sciences: Special Issue "Wind Energy: Actual Trends, Implementations and Future Developments" https://www.mdpi.com/journal/applsci/special_issues/wind_energy_2021	ISI	Editor invitat 2021	10
4.	Electronics Special Issue "Microgrid Design and Operation Based on Smart Management Systems and Transactive Energy Concepts" htt https://www.mdpi.com/journal/electronics/special_issues/microgrid_design	ISI	Editor invitat 2021	10
5.	International Conference and Exhibition on Electromechanical and Energy Systems - Sielmen 2021 (http://www.sielmen.tuiasi.ro/2021/?page_id=35)	BDI	Editor	6
6.	10th International Conference on Energy and Environment, CIEM 2021, 14 -15 Octombrie, 2021, Bucuresti, Romania, http://ciem.energ.pub.ro/committees.html	ISI	Membru în comitetul științific	10
7.	Journal of Power and Energy Engineering, – Control and Operation of Future Power Networks, https://www.scirp.org/pdf/JPEE_si_2020072011282950.pdf	BDI	Editor invitat	6
8.	International Journal of Electric Power Science Development, http://ojs.bbwpublisher.com/index.php/ijepsd/about/editorialTeam	BDI	Membru în comitetul științific	6
9.	2nd International Conference on Cloud Computer, IoT and Intelligence System, Beijing, China, 6-7 Martie, 2022, http://www.2nd-cciis.org/com.html	BDI	Membru în comitetul științific	6
10.	3rd International Conference on Computer Science, Communication and Network Security (CSCNS2021), Sanya, China, 22-23 Decembrie, 2021. http://cscns.org/com.html	ISI	Membru în comitetul științific	10
11.	3rd International Conference on Computer, Communications and Mechatronics Engineering (CCME2021), Xiamen, China, 17-18 Decembrie, 2021, http://www.3rd-ccme.org/com.h+tml	BDI	Editor	6
12.	13th International Conference on Electronics, Computers and Artificial Intelligence, ECAI 2021, 1 -3 Iulie, 2021, Pitesti, Romania, http://ecai.ro/Organizatori.php	ISI	Membru în comitetul științific	10
13.	International Conference on Trends in Computational and Cognitive Engineering (TCCE - 2021), 21-22 October 2021	ISI	Membru în comitetul științific	10
14.	ICFSAS 2020: 14. International Conference on Finance Security Applications and Stability – Mumbai, India https://app.qwoted.com/opportunities/event-icfsas-2020-14-international-conference-on-finance-security-applications-and-stability-mumbai	BDI	Membru în comitetul științific	6
15.	ICALCES 2021: 15. International Conference on Advances in Low-Carbon Energy Systems http://mrconfs.com/event/6053f0a2e7905.html	BDI	Membru în comitetul științific	6
16.	International Conference on Robotics, Electrical and Signal Processing Techniques (ICREST 2021) https://icrest.aiub.edu/index.php/technical-program-committee/	ISI	Membru în comitetul științific	10
17.	International Journal of Advanced Computer Science and Applications (IJACSA), https://thesai.org/Reviewers/Details/7b815beb-4335-4239-a0f9-0ab3b968878a	ISI	Membru în comitetul științific	10
18.	Sensors Journal – MDPI https://www.mdpi.com/journal/sensors/submission_reviewers	ISI	Membru în comitetul științific	10

19.	Entropy Journal – MDPI https://www.readkong.com/page/acknowledgment-to-reviewers-of-entropy-in-2020-mdpi-1174820?p=3	ISI	Membru în comitetul științific	10
20.	Electronics Journal – MDPI - https://www.mdpi.com/journal/electronics/submission_reviewers	ISI	Membru în comitetul științific	10
21.	11th International Conference and Exposition on Electrical and Power Engineering (EPE 2020), Iași, Romania, October 18-19, 2020. http://www.epe.tuiasi.ro/2020/wp-content/uploads/2020/10/Program-EPE-2020-final.pdf	BDI	Editor	10
22.	2nd International Conference on Computer Science, Communication and Network Security (CSCNS2020) Sanya, China, 22-23 Decembrie, 2020, http://www.cscns2020.org/com.html	BDI	Membru în comitetul științific	6
23.	The 13th International Conference INTER-ENG 2019 Interdisciplinarity in Engineering, Targu Mures, Romania, https://inter-eng.umfst.ro/2019/files/technical-program/Brochure.pdf	ISI	Membru în comitetul științific	10
24.	12th International Conference on Electronics, Computers and Artificial Intelligence, ECAI 2020, June 25– June 27, 2020, Bucuresti, Romania, http://ecai.ro/Organizatori.php	ISI	Membru în comitetul științific	10
25.	12th International Conference on Electronics, Computers and Artificial Intelligence, ECAI 2020, June 25– June 27, 2020, Bucuresti, Romania, http://ecai.ro/Documente/ECAI%202020%20program.pdf	ISI	Sesion Chairman	10
26.	2nd International Conference on Computer, Communications and Mechatronics Engineering (CCME2020), Xiamen, China, December 20-21, 2020, http://www.ccme2020.org/com.html	BDI	Publication Chairs	6
27.	Chairs International Conference on Communications, Electronic and Information Engineering (ICEIE2020), http://www.icceie2020.org/com.html	ISI	Publication Chairs	10
28.	11th International Conference on Electronics, Computers and Artificial Intelligence, ECAI 2019, June 27– June 29, 2019, Pitesti, Romania, http://ecai.ro/Organizatori.php	ISI	Membru în comitetul științific	10
29.	10th International Conference and Exposition on Electrical and Power Engineering (EPE 2018), Iași, Romania, October 18-19, 2018. http://www.epe.tuiasi.ro/2018/wp-content/uploads/2018/10/Program-EPE-2018-final.pdf	ISI	Sesion Chairman	10
30.	10th International Conference on Electronics, Computers and Artificial Intelligence, ECAI 2018, June 28– June 30, 2018, Iasi, Romania, http://ecai.ro/Ecai%20archive.php	ISI	Sesion Chairman	10
31.	Eng Journal MDPI - https://www.mdpi.com/journal/eng/submission_reviewers	BDI	Membru în comitetul științific	6
32.	"Brainstorming în Agora Cercurilor Studențești" BACStud2019, 17-19 Octombrie, Oradea, Romania	-	Membru în comitetul științific	3
33.	"Brainstorming în Agora Cercurilor Studențești" BACStud2020, 15-17 Octombrie, Oradea, Romania	-	Membru în comitetul științific	3
34.	"Brainstorming în Agora Cercurilor Studențești" BACStud2021, 14-16 Octombrie, Oradea, Romania	-	Membru în comitetul științific	3
35.	"Brainstorming în Agora Cercurilor Studențești" BACStud2022, 14-16 Octombrie, Oradea, Romania	-	Membru în comitetul științific	3
			TOTAL	**295**

3.4. Recenzor pentru reviste și manifestări științifice naționale și internaționale

Nr crt.	Nr. recenziei	Revista/Conferinta	ISI/ BDI	Nr. recenzi	Punctaj
1		**International Journal of Electrical Power&Energy Systems (http://www.journals.elsevier.com/international-journal-of-electrical-power-and-energy-systems)**	**ISI**	**19**	**190**
	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			
	15.	IJEPES-D-22-00468 A discrete-continuous PSO for optimal integration of D-STATCOMs into electrical distribution systems by considering annual energy loss and investment costs			
	16.	IJEPES-D-21-04237 Blockchain-Based Sequential Market-Clearing Platform for Enabling Energy Trading in Interconnected Microgrids			
	17.	IJEPES-D-21-04237 R1 Blockchain-Based Sequential Market-Clearing Platform for Enabling Energy Trading in Interconnected Microgrids			
	18.	IJEPES-D-22-02157 Minimal investment installation planning of smart meters for load balancing using a data-driven approach			
	19.	IJEPES-D-22-03034Two-level nested collaborative optimization method for sharing energy storage and energy in community microgrid considering subjectivity and privacy			
2		**International Journal of Advanced Computer Science and Applications**	**ISI**	**6**	**60**
	20.	Promoting Urban Sustainability through Big Data: Implications for Smart Urban Management			
	21.	Design of an efficient RPL objective function for Internet of Things Applications			
	22.	Branch and Bound Tactic effectively solve of conditional rank-order stowage 1 problem for Regular Shapes			
	23.	Fuzzy C-Mean Missing Data Imputation for Analogy-based Effort Estimation			
	24.	Analyzing User Involvement practice: A Case Study			
	25.	Implementation of an Expert System for Automated Symptom Consultation in Peru			

3		**Renewable and Sustainable Energy Reviews (https://www.editorialmanager.com/rser/default.aspx)**	**ISI**	**6**	**60**
	26.	A review of international limits for rapid voltage changes in public distribution networks (RSER-D-21-00766)			
	27.	Review of AI Applications in Harmonic Analysis in Power Systems (RSER-D-21-02183)			
	28.	Approximating Power Flow and Transmission Losses in Coordinated Capacity Expansion Problems (RSER-D-20-04073)			
	29.	A review of international limits for rapid voltage changes in public distribution networks (RSER-D-20-01992)			
	30.	A review of international limits for rapid voltage changes in public distribution networks (RSER-D-20-01992R1)			
	31.	Applications of blockchain and artificial intelligence technologies for enabling prosumers in smart grids: A review (RSER-D-21-00766)			
4		**Energy Reports (https://www.editorialmanager.com/egyr/default.aspx)**	**ISI**	**8**	**80**
	32.	EGYR-D-21-01634-Cyber-attacks and stability control of micro-grid systems; A new cooperative control method			
	33.	EGYR-D-21-01782-An Adaptive and Scalable Protection Coordination System of Overcurrent Relays in Distributed Generator Integrated Distribution Networks			
	34.	EGYR-D-21-01381-Two-stage intelligent planning with improved artificial bee colony algorithm for a microgrid by considering uncertainty of renewable resources			
	35.	EGYR-D-21-01249-Variable Parameter Practical Model of Synchronous Generator for Precise Simulation of Power System			
	36.	EGYR-D-21-00275R1-THE "VALUE" OF PEER-TO-PEER ENERGY: SOCIAL VALUE EFFECTS IN PEER-TO-PEER GREEN ENERGY INNOVATION			
	37.	EGYR-D-21-00275-THE "VALUE" OF PEER-TO-PEER ENERGY: SOCIAL VALUE EFFECTS IN PEER-TO-PEER GREEN ENERGY INNOVATION			
	38.	EGYR-D-20-00497-An improved automatic power factor controller in the RES-integrated distribution system			
	39.	EGYR-D-21-00275 - TOWARDS GREENER ENERGY INNOVATION: UNDERSTANDING CONSUMERS' ADOPTION OF INNOVATIVE GREEN ENERGY SYSTEMS			
5		**Journal of Electrical Engineering, Electronics, Control and Computer Science https://jeeeccs.net/index.php/journal/reviewer/index/activec**	**BDI**	**4**	**24**
	40.	#239 A Sliding Mode Control Strategy for Grid Connected PV/Wind/ Battery Hybrid System			
	41.	#163 Comparison of the Power Flow Analysis of the Nigerian 330 kVTransmission Network Using ETAP and PSAT			
	42.	#192 Power Quality Enhancement in Distribution System using D-STATCOM			
	43.	#232 mart Grid and Electric Vehicle: Overview and Case Study			
6		**Heliyon (www.editorialmanager.com/heliyon/default.aspx)**	**ISI**	**3**	**30**
	44.	HELIYON-D-21-05823 Fuzzy Logic Based Optimal Placement of Voltage Regulators and Capacitors for Distribution Systems Efficiency Improvement			
	45.	HELIYON-D-21-05823R1 Fuzzy Logic Based Optimal Placement of Voltage Regulators and Capacitors for Distribution Systems Efficiency Improvement			
	46.	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) - https://easychair.org/conferences/review_request_view?a=27126954;request=2866326**	**ISI**	**1**	**10**
	47.	# 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 https://www.editorialmanager.com/physa/default.aspx**	**ISI**	**1**	**6**
	48.	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**
	49.	25-Bearing Fault Detection For Water Pumping System Using Artificial Neural Network			
	50.	40-Coordination of phase and ground DOCR using non-conventional time curves			
	51.	48-Data-Driven Coordinated Control of AVR and PSS in Power Systems: A Deep Reinforcement Learning Method			
	52.	64-Integration of AI, IoT and Edge-Computing for Smart Microgrid Energy Management			
	53.	100-Machine learning algorithms for short-term load forecasting of national energy systems			
	54.	281-Performance Analysis of Extra High Voltage 765 kV and 400 kV Hydro Power fed Transmission Lines			
	55.	303-A Hybrid Energy Hub Investigation with Renewables and Electric Vehicle in a Smart Microgrid Lab.			
	56.	312-Quality Valuation of a Novel Dual Stator Dual Rotor U-Shaped Permanent Magnet Synchronous Generator for Nuclear Energy Extraction			
	57.	325-Agent-Based Modeling of Peer-to-Peer Energy Trading in a Smart Grid Environment			
	58.	330-Unsupervised Learning Methods for Voltage Regulation in Smart Grids			
	59.	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**
	60.	9 - Optimal Power Flow with Three Objective Functions using Improved Differential Evolution Algorithm: Case Study IEEE 57-bus power system Download			
	61.	25 - STATE OF THE ART OF HYBRID AC-DC MEDIUM VOLTAGE GRIDS			
	62.	64 - Laboratory for Digital Technologies Testing and Skills Development of Professionals And Students			
11		**Cmputers and Electrical Engineering https://www.editorialmanager.com/compeleceng/default.aspx**	**ISI**	**6**	**60**
	63.	COMPELECENG-D-21-01701 - ETA-SPORTS: An energy and temperature aware semi-partitioned real-time scheduler for heterogeneous multicore platforms			
	64.	COMPELECENG-D-21-00867 - Novel Axial Flux Machine Topology Assessment and Feasible Applications in Electric Vehicles and Wind Energy Conversion Systems			
	65.	COMPELECENG-D-21-01915 - Exploration and Development of TG Quantum Well Barrier FinFET with Strained HOI Nanosystem Channel for Enhanced Performance			
	66.	COMPELECENG-D-21-01480 - A Frequency Controlled Novel Resonant Converter For Constant Current, Constant Voltage, and Constant Power Applications			
	67.	COMPELECENG-D-21-00673 - System Security Enhancement Using Hybrid HUA-GPC Approach under Transmission Line(s) and/or Generator(s) Outage Conditions			
	68.	COMPELECENG-D-20-02075 - Community Energy Management with Demand Response Consideration and Peer-to-peer Energy Trading			
12		**Swarm and Evolutionary Computation https://www.editorialmanager.com/swevo/default.aspx**	**ISI**	**1**	**10**

	69.	SWEVO-D-21-00244 - A Modified PSO Algorithm Suitable for Low-Power Hardware Implementation in CMOS Technology			
13		**The 15th International Conference on Interdisciplinarity in Engineering, 07-08 Oct 2021, Targu-Mures, Romania,**	ISI	1	10
	70.	30 - Analysis of the Power Demand in Romania during the COVID-19 Pandemic			
	71.	125. Technical-economic analysis of a hybrid thermal energy supply system based on renewable energy sources			
14		**International conference on Electronics, Computers and Artificial Intelligence. 01 July - 03 July 2021. Pitești, Romania**	ISI	4	40
	72.	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			
	73.	81 - Pham Duc Dai. Optimal Placement and Regulation of Pressure Reducing Valves in Water Distribution Systems to Water Leakage Reduction			
	74.	104 - Profiling consumers in a water distribution network using K-Means clustering and multiple pre-processing methods			
	75.	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		**International Conference on Automation, Control and Mechatronics for Industry 4.0 (ACMI 2021) [https://acmi2021.mteruet.com/technical-committee/].**	ISI	3	30
	76.	195 - GRID CONNECTED MICROGRID FAULT CURRENT REDUCTION USING NON-SUPERCONDUCTING FAULT CURRENT LIMITER			
	77.	188 - Design and Implementation of an Automatic Single Axis Tracking with Water-Cooling System to Improve the Performance of Solar Photovoltaic Panel			
	78.	186 -: Optimum Design and Performance Evaluation of a Solar Panel with Automatic Sun Tracking System			
16		**IEEE Transactions on Smart Grid**	ISI	1	10
	79.	TSG-00113-2021 Distributed Privacy-Preserving Peer-to-Peer Energy Transaction Approach in Smart Grids, for the IEEE Transactions on Smart Grid			
17		**Applied Energy (https://www.editorialmanager.com/apen/default.aspx)**	ISI	9	90
	80.	APEN-D-20-11911 - New Subsidy Allocation Model for Power Distribution Companies to Reduce Power Losses (Studied in Iran)			
	81.	APEN-D-22-04801 - Robust multi-objective optimization for islanded data center microgrid operations			
	82.	APEN-D-22-04801 R1 - Robust multi-objective optimization for islanded data center microgrid operations			
	83.	APEN-D-21-09040 R1- Event-triggered Distributed Voltage Regulation by Heterogeneous BESS in Low-Voltage Distribution Networks			
	84.	APEN-D-21-09040 - Event-triggered Distributed Voltage Regulation by Heterogeneous BESS in Low-Voltage Distribution Networks			
	85.	APEN-D-20-01473 - Network-constrained bidding optimization strategy for aggregators of prosumers			
	86.	APEN-D-20-01473R1 - Network-constrained bidding optimization strategy for aggregators of prosumers			
	87.	APEN-D-19-09262 - Distributed Reactive Power Optimization in Active Distribution Networks Considering Renewable Uncertainties			
	88.	APEN-D-19-09262R1 - Distributed Reactive Power Optimization in Active Distribution Networks Considering Renewable Uncertainties			

18		**IEEE Acces**	**ISI**	**9**	**90**
	89.	Access-2020-56991 - Linear Iterative Power Flow Approach Based on the Current Injection Model of Load and Generator			
	90.	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			
	91.	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			
	92.	Access-2020-46803 - Demand Response Strategy of Energy Prosumer Based on Robust Optimization through Aggregator			
	93.	Access-2020-41273 - Demand Response Strategy of Energy Prosumer Based on Robust Optimization through Aggregator			
	94.	Access-2020-29267 - Line Loss Prediction and Energy Saving Retrofit Strategy for Distribution Network Based on Entropy Weight and Fuzzy Correlation Degree			
	95.	Access-2020-54028 - "A Multi-stage Approach Combining Physics-Based Methods and Data-Driven Analysis to convert DC Power Flow to AC Power Flow			
	96.	Access-2020-47187 "Quantum-Enhanced Grid of the Future: A Primer"			
	97.	ID Access-2020-20990 entitled "Consortium Blockchain-Based Decentralized Stock Exchange Platform"			
19		**International IETE Journal of Research.2020**	**ISI**	**4**	**40**
	98.	TIJR-2020-0454.R3 Distribution System Reconfiguration through Flower Pollination Algorithm (FPA)			
	99.	TIJR-2020-0454.R2 Distribution System Reconfiguration through Flower Pollination Algorithm (FPA)			
	100.	TIJR-2020-0454.R1 Distribution System Reconfiguration through Flower Pollination Algorithm (FPA)			
	101.	TIJR-2020-0454 Distribution System Reconfiguration through Flower Pollination Algorithm (FPA)			
20		**2020 International Conference on Communications, Electronic and Information Engineering (ICCEIE2020)**	**BDI**	**1**	**6**
	102.	A3605 Research on the influence of information technology on Industrial Competitiveness			
21		**International Conference on Robotics, Electrical and Signal Processing Techniques (2019,2020, 2021)**	**BDI**	10	60
	103.	Paper ID: 188 Title: Design and Economic Analysis of Solar Photovoltaic System for Rural Area of Bangladesh			
	104.	Paper ID: 167 Title: A 48V 3-Phase IM and VFD Controller Development for a Portable Vacuum Cleaner			
	105.	Paper ID: 166 Title: 3-phase IM Controlled Solar Electric Boat for Portable Irrigation and Recreational Purposes by using 300V DC/AC Drivetrain			
	106.	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			
	107.	Paper ID: 164 Title: A new control strategy for frequency stabilization of small scale power system by variable speed diesel engine-driven power plant			
	108.	Paper ID: 20348 - Review Paper on the constraints,possibility & optimization of Solar PV-Wind Hybrid System – Neacceptata			
	109.	Paper ID: Automation System with IEC 61850 https://ieeexplore.ieee.org/document/8644416/			
	110.	Paper ID: 20350 - Using Power System Stabilizer To Solve Interarea Oscillations In Power Systems – Neacceptata			
	111.	Paper ID: 20341 - Concentrated Solar Power (CSP) Dish Stirling Technology in Prospect of Energy Crisis in Bangladesh – Neacceptata			
	112.				

	113.	Paper ID: 2- Prospect of Back Contact for A Highly Efficient InGaN Thin Film Solar Cell from Numerical Analysis https://ieeexplore.ieee.org/document/8644303			
22		**Curent Alternative Energy**	**BDI**	1	6
	114.	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)			
		ICAEE 2019 IEEE Conference International Conference on Advanced Electrical Engineering 26–28 September 2019	**ISI**	8	80
23	115.	4427- Behavior of the Proton Exchange Membrane Fuel Cell Around Critical Fuel and Air Supply Pressure			
	116.	4430-Paper Title: Multistage Synchrophasor Placement Approach for Practical Assessment of BPSN			
	117.	4339 - Application of PID and Fuzzy based Controllers for Load Frequency Control of a Single - Area and Double - Area Power Systems			
	118.	4301 - Improvement of Conversion Efficiency of CdS-CdTe Photovoltaic Cell Sandwiching Intrinsic CdTe Layer between Window and Absorber Layers			
	119.	4333 - Modified Modulated Predictive Control for a 3-Phase 2 Level PWM Rectifier			
	120.	4314 - Passive Power Factor Correction & Algorithm With Negligible Harmonics Using Variable Capacitor			
	121.	4338 - Assessment of Different Topological Integration of Solar Power Technologies in Medium Voltage Distribution Networks			
	122.	4433 - A Case Study on Efficient Grid Connected Hybrid Energy System for Rohingya Refugees			
	123.	4136 - A Review of Geothermal Energy for Future Power Generation			
	124.	4317 - Forecasting-Aided State Estimation for Power Distribution System Application: Case Study			
		2020 International Conference and Exposition on Electrical And Power Engineering (EPE) Iasi-Romania 22-23 October 2020	**BDI**	4	24
	125.	3901 - Energy Market Concept in a Micro-Grid			
	126.	4028 - Techniques and indices for preventive maintenance optimization			
	127.	4120 - On the Cumulative Effect of Magnetic Fields in the Deviation Zones of Overhead High Voltage Power Lines			
	128.	4235 - A Method for Estimation of the Magnetic Field Generated by Overhead Power Lines			
24		**Journal Trends in Computer Science and Information Technology Renewable and Sustainable Energy Reviews**	**BDI**	**3**	**18**
	129.	TCSIT-20-RA-142 - Energy Trading Systems on Blockchain Networks			
	130.	TCSIT-20-OP-144 - Chance Constrained Optimization for Energy Management in Electric Vehicles			
	131.	TCSIT-20-OP-146 - Optimal Integration of Electric Vehicles in Smart Grids with Renewables and Battery Storage Systems under Uncertainty			
25		**Energy Research Journal**	**ISI**	**2**	**20**
	132.	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".			
	133.	ER-20-15428 "Loss Cost Reduction and Power Quality with Applying Robust Optimization Algorithm for Optimum Energy Storage System and Capacitor Bank"			
26		**Transactions on Environment and Electrical Engineering**	**BDI**	**1**	6
	134.	Modeling and Performance Evaluation of an Electromagnetic Voltage Regulator via Series Compensation.			

27		**Electric Power Systems Research** **https://www.editorialmanager.com/epsr/default.aspx**	**ISI**	**15**	**150**
	135.	EPSR-D-21-02259R1 - Low Voltage Customer Phase Identification Methods Based on Smart Meter Data			
	136.	EPSR-D-21-02444R1 - A New Method for Optimal Capacitor Placement in Power Systems			
	137.	EPSR-D-21-02259 - Low Voltage Customer Phase Identification Methods Based on Smart Meter Data			
	138.	EPSR-D-21-02444 - A New Method for Optimal Capacitor Placement in Power Systems			
	139.	EPSR-D-19-01832R1 - Mitigation of DGs Impact on Variable-Topology Meshed Network Protection System by Optimal Fault Current Limiters Considering Overcurrent Relay Coordination			
	140.	EPSR-D-21-02259 Title: Low Voltage Customer Phase Identification Methods Based on Smart Meter Data Electric Power Systems Research			
	141.	EPSR-D-19-02879R2 - An Incentive Mechanism Design Using CCHP-based Microgrids for Wind Power Accommodation Considering Contribution Rate			
	142.	EPSR-D-19-02879R1 - An Incentive Mechanism Design Using CCHP-based Microgrids for Wind Power Accommodation Considering Contribution Rate			
	143.	EPSR-D-19-02879 - An Incentive Mechanism Design Using CCHP-based Microgrids for Wind Power Accommodation Considering Contribution Rate			
	144.	EPSR-D-19-02875 - Double Deep Q-Learning Optimized Operation of Hybrid Energy Storage System in Island Micro-grid			
	145.	EPSR-D-19-01832 - Mitigation of DGs Impact on Variable-Topology Meshed Network Protection System by Optimal Fault Current Limiters Considering Overcurrent Relay Coordination			
	146.	EPSR-D-19-01316 - Multi-Agent Approach to Modeling and Simulation of Microgrid Operation with Vehicle-to-Grid System			
	147.	EPSR-D-19-00971R1 - Non-Steady State Electro-Thermally Coupled Weather-Dependent Power Flow Technique for a Geographically-traversed Overhead-line Capacity Improvement			
	148.	EPSR-D-19-00873 - Bi-level distributed optimization method for islanded multi-microgrids in a carbon trading market			
	149.	EPSR-D-19-00971 - Non-Steady State Electro-Thermally Coupled Weather-Dependent Power Flow Technique for a Geographically-traversed Overhead-line Capacity Improvement			
28		**Sustainable Cities and Society** **https://www.journals.elsevier.com/sustainable-cities-and-society**	**ISI**	**1**	**10**
	150.	SCS_2019_879 - A novel method for evaluating time stability of clusters – With application to electricity smart meter consumption data			
29		**Journal of Computational Design and Engineering**	**ISI**	**2**	**20**
	151.	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, https://academic.oup.com/jcde			
30		**International Conference on Electrical, Computer and Communication Engineering (ECCE2020)**	**ISI**	**6**	**60**
	152.	Paper ID: 7606 - Feasibility Analysis and a Proposal for 1.3 MW Hybrid Renewable Power Plant for Saint-Martins Island Using HOMER https://ieeexplore.ieee.org/document/8679390			
	153.	Paper ID: 7874 - An analytical study on converter based frequency adjustment and protection mechanism of a grid connected wind farm model – *Neacceptata*			

	154.	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 – https://ieeexplore.ieee.org/document/8679176			
	155.	Paper ID: 7712 - A Proposed Algorithm for Peer-to-Peer Energy Trading Using Blockchain in Microgrid Energy Markets – Neacceptata			
	156.	Paper ID: 7647 – Proceblity Renewable Energy and Smart Grids – Neacceptata			
	157.	Paper ID: 7126 - STATCOM and PID Controller Based Stability Enhancement of a Grid Connected Wind Farm – https://ieeexplore.ieee.org/document/8726728			
31		**2020 IEEE International Conference on Environment and Electrical Engineering, Madrid, June 9-12, 2020, Madrid, Spain**	**ISI**	**5**	**50**
	158.	103 - Energy mileage concept for local RE using blockchain technology			
	159.	164 - Comparative study between Gaussian process regression and long short-term memory neural networks for intraday grid load forecasting			
	160.	221 - BESS Sizing in an Isolated Microgrid Including PHEVs and RERs			
	161.	232 - Optimal sizing of microgrids: on the design equivalences of different objective functions			
	162.	275 - Development of A Hybrid Method to Control the Grid-Connected PV Converter			
32		**2019 IEEE PES Innovative Smart Grid Technologies Europe, ISGT-Europe 2019, Bucharest, Romania, September 29 - October 2, 2019**	**ISI**	**2**	**20**
	163.	1. Intelligent Centralized High Impedance Fault Diagnosis for Motor Power Distribution Centers ID: 40			
	164.	2. Impact of Modelling Assumptions on the Voltage Stability Assessment of Active Distribution Grids ID: 205			
33		**The 2nd International Conference on Electrical, Computer and Energy Technologies (ICECET) 2020**	**ISI**	**3**	**30**
	165.	579 Bidirectional Dual Active Bridge for Interfacing Battery Energy Storage Systems with DC Microgrid			
	166.	630 Standalone Microgrid: A Sustainable Option for Energy Handling			
	167.	647 The Causes and Consequences of Such Communication Delays in the Electric Grid System			
33		**International Journal of Electrical and Computer Engineering** (IJECE).http://ijece.iaescore.com/index.php/IJECE	**ISI**	**2**	**20**
	168.	#7335 - Power Quality Improvement Of Fuzzy Based Predictive Controlled APF			
	169.	#8008 - Real Time Power Quality Phenomenon for Various Distribution Feeders			
34		**International Conference on Electronics, Computers and Artificial Intelligence ECAI - 2018**	**ISI**	**2**	**20**
	170.	PAPER 65 - Artificial Intelligence Computational Basic Models and Analysis for Power Delivery Safety and Efficiency Evaluation			
	171.	PAPER 21 - Intelligent Tools and Methods in Power Delivery Quality and Efficiency Evaluation			
35		**Buletinul institutului politehnic din Iasi. Secția electrotehnica. Electronica. Energetica.**	BDI	5	**30**
	172.	A Comparative Study of Wind Turbine Generators Operating Performance. A Case Study for the Vietnamese Ninh Thuan-Grid			
	173.	An Improved Strategy Based On A Multi-Criteria Analyse To Replace Transformers In Electric Distribution Networks			
	174.	PMU Based Monitoring System Of Inter-Area Oscillation For Maghreb Power System			
	175.	Aplication Of Independent Component Analysis In Load Profile Study			
	176.	Optimal Operation Of A Trigeneration System Designed To Supply An Electricity, Heating And Cooling Consumer			

	177.	Smart Charging Of Multiple Evs In Smart Grid Radial Low Voltage Distribution Networks			
36		**2014-2018 International Conference and Exposition on Electrical and Power Engineering (EPE)**	ISI	44	**440**
	178.	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			
	179.	EPE 2014 - 831 - Virtual Power Plants			
	180.	EPE 2014 - 839 - Impact of Storage Technologies Upon a Power System			
	181.	EPE 2014 - 807 - STRATEGY DESIGN FOR IMPROVING ENERGY EFFICIENCY			
	182.	EPE 2014 - 819 - Visual Inspection of Power Lines by U.A.S.			
	183.	EPE 2016 - 1565 - Improving The Wind Generators Availability by...			
	184.	EPE 2016 - 935 - Reactive Power Optimization in 110 kV Sub-Transmission...			
	185.	EPE 2016 - 947 - Optimal Placement of UPFC Considering both Economic and...			
	186.	EPE 2016 - 965 - Hybridization of Cuckoo Search Algorithm and Chemical...			
	187.	EPE 2016 - 1157 - A hybrid GA-PSO Algorithm for Static VAR Compensation			
	188.	EPE 2016 - 1244 - Assessment on reliability of wind turbine protection...			
	189.	EPE 2016 - 1283 - Power Quality System Analysis on Embarked Systems			
	190.	EPE 2016 - 1304 - Using the photovoltaic renewable sources for high-voltage...			
	191.	EPE 2016 - 1325 - Phase Swapping of Lateral Branches from Low-Voltage...			
	192.	EPE 2016 - 1380 - Power quality assessment for microgrid scenarios			
	193.	EPE 2016 - 1421 - Knowledge-based decisions in smart grids			
	194.	EPE 2016 - 1427 - A Fuzzy Approach In Optimal DG Planning			
	195.	EPE 2016 - 1415 - A Fuzzy Hybrid Algorithm for RRAP in Power Distribution...			
	196.	EPE 2016 - 1397 - Issue Of Voltage Distribution Networks With Distributed...			
	197.	EPE 2016 - 1664 - Impact of photovoltaic power plants on power system losses			
	198.	EPE 2016 - 1831 - Voltage Stability Assessment For Wind Farms Integration...			
	199.	EPE 2016 - 1908 - Energetic Analysis of the Subcritical Low-Temperature ORC...			
	200.	EPE 2016 - 1958 - Comparative Analysis of Different Means of Biogas...			
	201.	EPE 2016 - 1834 - The Study Of Dynamic Processes In Power Grids In The...			
	202.	EPE 2016 - 1976 - On a Demand Response Pilot Demonstration in the...			
	203.	EPE 2016 - 1694 - An Efficient Intrusion Detection Scheme for Cluster Based...			
	204.	EPE 2016 - 2059 - Â¬Root-Cause Analysis of Cascaded Ground Faults on an...			
	205.	EPE 2016 - 2086 - The influence of the tariff charged by electricity...			
	206.	EPE 2018 - 2864 - An Improved Approach for Energy Losses Calculation in Low...			
	207.	EPE 2018 - 2392 - Overview on computational methods of GIS grounding grid...			
	208.	EPE 2018 - 2469 - Reducing distributed electricity is a challenge for...			
	209.	EPE 2018 - 2573 - State of the art techniques in the design of high voltage...			
	210.	EPE 2018 - 2601 - The Impact of 150MWp Pho An Solar Photovoltaic Project...			
	211.	EPE 2018 - 2722 - Current State of Researches in the Development of Energy...			
	212.	EPE 2018 - 2814 - Voltage Stability Estimation based on a Load Flow...			
	213.	EPE 2018 - 2662 - Computation of the Low Frequency Magnetic Fields...			
	214.	EPE 2018 - 2481 - Influence of a higly nonlinear load on power quality in a...			
	215.	EPE 2018 - 3264 - Considerations Regarding Implementing Wide Area...			
	216.	EPE 2018 - 2870 - On the significant height for testing the electric and...			
	217.	EPE 2018 - 3430 - A Multi-Terminal HVDC Grid Topology for Offshore Wind Farms			
	218.	EPE 2018 - 3551 - Modeling energy hub operating modes with demand side...			
	219.	EPE 2018 - 3391 - Assessment for efficient operation of smart grids using...			
	220.	EPE 2018 - 3165 - Setting the Optimal Control Variables of an UPFC Device...			
	221.	EPE 2018 - 3385 - Analysis of energy efficient solutions for electric...			
37		**Energies http://www.mdpi.com/journal/energies**	ISI	90	900
	222.	energies-1524957 Application of Block Sparse Bayesian Learning in Power Quality Steady-State Data Compression			
	223.	energies-1524957R1 Application of Block Sparse Bayesian Learning in Power Quality Steady-State Data Compression			
	224.	energies-1518205-Evolutionary Game Analysis of Responding to EU's Carbon Border Adjustment Mechanism			

	225.	energies-1472738 - Comparative study of Several Efficient Energy Management Strategies for a Hydrogen Fuel Cell/Battery Hybrid Vehicles
	226.	energies-1472738R1-Comparative study of Several Efficient Energy Management Strategies for Hydrogen Fuel Cell/Battery Hybrid Vehicles
	227.	energies-1396498 - An Evaluation of Flicker Emissions from Small Wind Turbines
	228.	energies-1396498 R1 - An Evaluation of Flicker Emissions from Small Wind Turbines
	229.	energies-1404826 - A Curvature Compensation Technique for Low-Voltage Bandgap Reference
	230.	energies-1404826R1 - A Curvature Compensation Technique for Low-Voltage Bandgap Reference
	231.	energies-1399426- A GRASP approach for solving large scale electric bus scheduling problems
	232.	energies-1399426R1- A GRASP approach for solving large scale electric bus scheduling problems
	233.	energies-1351353- Distributed Finite-Time Secondary Frequency and Voltage Restoration Control Scheme of an Islanded AC Microgrid
	234.	energies-1351353R1- Distributed Finite-Time Secondary Frequency and Voltage Restoration Control Scheme of an Islanded AC Microgrid
	235.	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
	236.	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
	237.	energies-1307806- Impact of wind and solar generation on the Italian zonal electricity price
	238.	energies-1279828- Robust Multi-step Predictor for Electricity Markets with Real-time Pricing
	239.	energies-1273349- Rightsizing the Design of a Hybrid Microgrid
	240.	energies-1273349R1- Rightsizing the Design of a Hybrid Microgrid
	241.	energies-1236406- Modeling and analysis of the power conditioning circuit for an electromagnetic human walking induced energy harvester
	242.	energies-1236406R1- Modeling and analysis of the power conditioning circuit for an electromagnetic human walking induced energy harvester
	243.	energies-1206819- MRAS-Based Switching Linear Feedback Strategy For Sensorless Speed Control Of Induction Motor Drives
	244.	energies-1198068- A Review of Optimization of Microgrid Operation
	245.	energies-1177821- Allocation of RES and energy storage in conjunction with the Distribution System Expansion Planning in order to reduce the costs of energy
	246.	energies-1101367- Review on Deep Neural Networks applied to Low-Frequency NILM
	247.	energies-1124053- Forecasting charging demand of electric vehicle using time-series models
	248.	energies-1124053R1- Forecasting charging demand of electric vehicle using time-series models
	249.	energies-1057043- Resilience in an Evolving Electrical Grid
	250.	energies-1051858- Economical dispatch in micro grids with alternate sources and storage
	251.	energies-1051858R1- Economical dispatch in micro grids with alternate sources and storage
	252.	energies-1029977- A Short-term Electricity Consumption Forecasting Approach based on Feature Processing and Hybrid Modelling
	253.	energies-1027800- Power System Impedance Estimation Using a Fast Voltage and Current Changes Measurements

	283.	energies-888931- Photovoltaic generation impact analysis in low voltage distribution grids
	284.	energies-888931R1- Photovoltaic generation impact analysis in low voltage distribution grids
	285.	energies-887291- Feasibility Study GaN Transistors Application in the Novel Split-Coils Inductive Power Transfer System with T-Type Inverter
	286.	energies-887291R1- Feasibility Study GaN Transistors Application in the Novel Split-Coils Inductive Power Transfer System with T-Type Inverter
	287.	energies-846533- Dynamic Modeling of Multiple Microgrid Clusters Including Regional Demand Response Programs
	288.	energies-846533R1- Dynamic Modeling of Multiple Microgrid Clusters Including Regional Demand Response Programs
	289.	energies-856940- Proving a Concept of Flexible Under-frequency Load-Shedding with Hardware-in-the-Loop Testing
	290.	energies-851791- Intelligent distributed energy generation and energy backup systems in hospitals: A review
	291.	energies-849409- A model for the estimation of residential rooftop photovoltaic (PV) capacity
	292.	energies-808079- A Control Scheme with the Variable-speed Pitch System for Wind Turbines during a Zero-voltage Ride Through
	293.	energies-808079R1- A Control Scheme with the Variable-speed Pitch System for Wind Turbines during a Zero-voltage Ride Through
	294.	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
	295.	energies-813128- Transmission Power System Modeling by Using Aggregated Distributed Generation Model Based on TSO – DSO Data Exchange Scheme
	296.	energies-791000- Modelling and Optimising a Microgrid System by Reinforcement Learning Techniques
	297.	energies-791000R1- Modelling and Optimising a Microgrid System by Reinforcement Learning Techniques
	298.	energies-762960 - A Novel Accurate and Fast Converging Deep Learning based Model for Electrical Energy Consumption Forecasting in Smart Grid
	299.	energies-732616- In-stream Energy by Tidal and Wind-driven Currents: An Analy ...
	300.	energies-732616 R1-- In-stream Energy by Tidal and Wind-driven Currents: An Analy ...
	301.	energies-698424- Application of VMD and Hilbert Transform Algorithms on Detec ...
	302.	energies-698424 R1- Application of VMD and Hilbert Transform Algorithms on Detec ...
	303.	energies-680274- An Iterative Scheme for the Power-Flow Analysis of Distribut ...
	304.	energies-680274 R1- An Iterative Scheme for the Power-Flow Analysis of Distribut ...
	305.	energies-627727- Regular and irregular performance variation of module string ...
	306.	energies-627727 R1- Regular and irregular performance variation of module string ...
	307.	energies-604003- Alternative Methodology to Calculate the Directional Charact ...
	308.	energies-604003 R1- Alternative Methodology to Calculate the Directional Charact ...
	309.	energies-583632- Economic Optimization of Wind and Light-storage Independent ...
	310.	energies-583632R1- Economic Optimization of Wind and Light-storage Independent ...
	311.	energies-1404826- A Curvature-Compensation Technique for Low-voltage Bandgap Reference
38		**Algorithms, https://www.mdpi.com/journal/algorithms** ISI 3 30
	312.	algorithms-1372245 - Algorithms for optimal power flow extended to controllable renewable systems and controllable loads
	313.	algorithms-1372245R1 - Algorithms for optimal power flow extended to controllable renewable systems and controllable loads

	314.	algorithms-1372245R2 - Algorithms for optimal power flow extended to controllable renewable systems and controllable loads			
39		**Coatings, https://www.mdpi.com/journal/coatings**	**ISI**	**2**	**20**
	315.	coatings-1400986 - Assessment of the condition of anilox rollers			
	316.	coatings-1400986R1 - Assessment of the condition of anilox rollers			
40		**Applied Sciences, https://www.mdpi.com/journal/applsci**	**ISI**	**8**	**80**
	317.	applsci-1426996 - Power-Based Concept for Current Injection by Inverter-Interfaced Distributed Generations during Transmission-Network Faults			
	318.	applsci-1426996R1 - Power-Based Concept for Current Injection by Inverter-Interfaced Distributed Generations during Transmission-Network Faults			
	319.	applsci-1141688- Risk-based virtual energy storage system service strategy for prosumers			
	320.	applsci-1141688R1- Risk-based virtual energy storage system service strategy for prosumers			
	321.	applsci-791938- Design of the Input and Output Filter for a Matrix Converter Using Evolutionary Techniques			
	322.	applsci-791938R1- Design of the Input and Output Filter for a Matrix Converter Using Evolutionary Techniques			
	323.	applsci-752507- Design and Comparison of P&O, Fuzzy and P&O Based Fuzzy MPPT			
	324.	applsci-752507 R1- Design and Comparison of P&O, Fuzzy and P&O Based Fuzzy MPPT			
41		**Computers, https://www.mdpi.com/journal/computers**	**ISI**	**2**	**20**
	325.	computers-940744- Design and Implementation of PLC / HMI Based Introductory Digital Logic Design Laboratory			
	326.	computers-940744R1- Design and Implementation of PLC / HMI Based Introductory Digital Logic Design Laboratory			
42		**Electronics, https://www.mdpi.com/journal/electronics**	**ISI**	**27**	**270**
	327.	electronics-1483625 - Power quality disturbance recognition using empirical wavelet transform and feature selection			
	328.	electronics-1483625R1 - Power quality disturbance recognition using empirical wavelet transform and feature selection			
	329.	electronics-1476743 - Unmanned Aerial Vehicle Activity and Its Aerial Lanes Design in (Ultra) Low-Altitude Airspace			
	330.	electronics-1476743R1 - Unmanned Aerial Vehicle Activity and Its Aerial Lanes Design in (Ultra) Low-Altitude Airspace			
	331.	electronics-1475615 - An active voltage coordinate control strategy of DFIG-based wind farm with hybrid energy storage system			
	332.	electronics-1475615R1 - An active voltage coordinate control strategy of DFIG-based wind farm with hybrid energy storage system			
	333.	electronics-1444696 - Cascading parallel random forest algorithm in predicting rice diseases in big data analysis			
	334.	electronics-1444696R1 - Cascading parallel random forest algorithm in predicting rice diseases in big data analysis			
	335.	electronics-1352976- An accurate Real Time Motion Estimation Using Optical Flow on Embedded System			
	336.	electronics-1352976R1- An accurate Real Time Motion Estimation Using Optical Flow on Embedded System			
	337.	electronics-1311756- Planning of Electric Taxi Charging Stations Based on Travel Data Characteristics			
	338.	electronics-1311756R1- Planning of Electric Taxi Charging Stations Based on Travel Data Characteristics			
	339.	electronics-1327513- Intelligent Energy Management Method of Hybrid AC/DC Microgrid using Artificial Neural Network			

	340.	electronics-1327513R1- Intelligent Energy Management Method of Hybrid AC/DC Microgrid using Artificial Neural Network
	341.	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
	342.	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
	343.	electronics-1132517- Multi-behavior with Bottleneck features LSTM for Load Forecasting in Building Energy Management System
	344.	electronics-1132517R1- Multi-behavior with Bottleneck features LSTM for Load Forecasting in Building Energy Management System
	345.	electronics-982448- Duty-cycled Wireless Power Transmission for Millimeter-sized Biomedical Implants
	346.	electronics-982448R1- Duty-cycled Wireless Power Transmission for Millimeter-sized Biomedical Implants
	347.	electronics-966618- A novel Approach for Optimal Coordination of Over-current Relays in Microgrids with Distributed Generation
	348.	electronics-950407- Adaptive Protection for Microgrid with Distributed Energy Resources
	349.	electronics-950407 R1- Adaptive Protection for Microgrid with Distributed Energy Resources
	350.	electronics-793126- Adaptive Protection for Microgrid with Distributed Energy Resources
	351.	electronics-793126 R1- Adaptive Protection for Microgrid with Distributed Energy Resources
	352.	electronics-655012- PLC / HMI Based Implementation of a Real-Time Educational...
	353.	electronics-655012 R1- PLC / HMI Based Implementation of a Real-Time Educational...
43		**Entropy, https://www.mdpi.com/journal/entropy** ISI 2 20
	354.	entropy-735088 Evaluation of harmonic contributions for multi harmonic sources system based on mixed entropy screening and an improved independent component analysis method
	355.	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		**Sensors, https://www.mdpi.com/journal/sensors** ISI 13 130
	356.	sensors-1288191- A Bidirectional Versatile Buck-Boost Converter Driver for Electric Vehicle Applications
	357.	sensors-1142383- Bi-directional Mutual Energy Trade Between Smart Grid and Energy Districts Using Renewable Energy Credits
	358.	sensors-1174813- Custom Outlier Detection for Electrical Energy Consumption Data Applied in Case of Demand Response in Block of Buildings
	359.	sensors-1174813R1- Custom Outlier Detection for Electrical Energy Consumption Data Applied in Case of Demand Response in Block of Buildings
	360.	sensors-1104546 - An Attention-based Multilayer GRU Model for Multstep-Ahead Short-Term Load Forecasting
	361.	sensors-1104546R1 - An Attention-based Multilayer GRU Model for Multstep-Ahead Short-Term Load Forecasting
	362.	sensors-1086076- End-to-End Deep Graph Convolutional Neural Network Approach for Intentional Islanding in Power Systems Considering Load-Generation Balance
	363.	sensors-1086076- End-to-End Deep Graph Convolutional Neural Network Approach for Intentional Islanding in Power Systems Considering Load-Generation Balance
	364.	sensors-1077280- Reliability Analysis and Evaluation of Smart Substation from ...
	365.	sensors-1032365- An Automatic Aggregator of Power Flexibility in Smart Buildings using Software Based Orchestration

	366.	sensors-1032365R1- An Automatic Aggregator of Power Flexibility in Smart Buildings using Software Based Orchestration			
	367.	sensors-887840- Detection of Potentially Compromised Computer Nodes and Clusters Connected on a Smart Grid, Using Power Consumption Data			
	368.	sensors-887840R1- Detection of Potentially Compromised Computer Nodes and Clusters Connected on a Smart Grid, Using Power Consumption Data			
45		**Symmetry, https://www.mdpi.com/journal/symmetry**	ISI	1	10
	369.	symmetry-1367106 - Nonlinear mechanism of impact factors on ground settlement and deformation for tunneling crossing beneath an existing tunnel			
46	370.	**World Electric Vehicle Journal, https://www.mdpi.com/journal/wevj**	BDI	3	**18**
	371.	wevj-1359920- Electric vehicle uptake: understanding the print media's role in changing attitudes and perceptions			
	372.	wevj-1359920R1- Electric vehicle uptake: understanding the print media's role in changing attitudes and perceptions			
	373.	wevj-1331037- Primary Energy Use and Environmental Effects of Electric Veh ...			
47		**Sustainability https://www.mdpi.com/journal/sustainability**	ISI	6	60
	374.	sustainability-1251179- Optimization of Conventional and Green Vehicles Composition under Carbon Emission Cap			
	375.	sustainability-1251179R1- Optimization of Conventional and Green Vehicles Composition under Carbon Emission Cap			
	376.	sustainability-1237890- Research on decision optimization model of microgrid participating in spot market transaction			
	377.	sustainability-1237890R1- Research on decision optimization model of microgrid participating in spot market transaction			
	378.	sustainability-1154622 - Intelligent Approach for Active and Reactive Power Control in Grid Connected Solar Photovoltaic System			
	379.	sustainability-1154622R1- Intelligent Approach for Active and Reactive Power Control in Grid Connected Solar Photovoltaic System			
48		**Future internet https://www.mdpi.com/journal/futureinternet**	BDI	2	12
	380.	futureinternet-1448280 - Securing IoT Devices against Differential-Linear (DL) Attack used on Serpent algorithm			
	381.	futureinternet-1448280R1 - Securing IoT Devices against Differential-Linear (DL) Attack used on Serpent algorithm			
49		**Optics https://www.mdpi.com/journal/optics**	BDI	2	12
	382.	optics-1405224 - Electrical characterization method for resonance performance of photo-elastic modulators			
	383.	optics-1405224R1 - Electrical characterization method for resonance performance of photo-elastic modulators			
				TOTAL	**3552**

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 *A Novel Algorithm with Multiple Consumer Demand Response Priorities in Residential Unbalanced LV Electricity Distribution Networks* publicata in jurnalul Mathematics https://uefiscdi.gov.ro/resource-824820-precisi_lista-1_partial-2_rezultate-eligibilitate_articole-2020_.pdf?&wtok=&wtkps=XU5ZasMwEL2LvhtHIyFkjX9yghDICVyP7A5YcbC8pATfPZJb6PI1b97Gq9HiM6JGEZlEFdEoFLCo1nL3HqDt2a2h7uZxpttipPL9oJye3KcfDxTuztoDPZT70DkLKDjfVGHgG5wmUdVJee5y+P0kL2MJ0lXbtk9oKGbKaJPLLAqi++1yPWorValKacq9NEV/mDcFYDSAhq8JZk+d/2VAovhrTNNWn4FOKAw0974Yxq6YfcuxIS4W9mtRjxM3Qy+q7QU=&wchk=20b953a24c2cc61b474b8ca651f69217f6bacb92	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 *An Advanced Decision Support Platform in Energy Management to Increase Energy Efficiency for Small and Medium Enterprises*publicata in jurnalul Applied Sciences https://uefiscdi.gov.ro/resource-824820-precisi_lista-1_partial-2_rezultate-eligibilitate_articole-2020_.pdf?&wtok=&wtkps=XU5ZasMwEL2LvhtHIyFkjX9yghDICVyP7A5YcbC8pATfPZJb6PI1b97Gq9HiM6JGEZlEFdEoFLCo1nL3HqDt2a2h7uZxpttipPL9oJye3KcfDxTuztoDPZT70DkLKDjfVGHgG5wmUdVJee5y+P0kL2MJ0lXbtk9oKGbKaJPLLAqi++1yPWorValKacq9NEV/mDcFYDSAhq8JZk+d/2VAovhrTNNWn4FOKAw0974Yxq6YfcuxIS4W9mtRjxM3Qy+q7QU=&wchk=20b953a24c2cc61b474b8ca651f69217f6bacb92	CNCSIS	**15**
3	Premiu UEFISCDI prin programul Planul National de Cercetare, Dezvoltare si Inovare pentru perioada 2015-2020, PNCDI III, Programul Dezvoltarea sistemului national de cercetare-dezvoltare, Subprogramul 1.1. – Resurse Umane, Premierea rezultatelor cercetarii – articole, in anul 2020 pentru lucrarea *A New Vision on the Prosumers Energy Surplus Trading Considering Smart Peer-to-Peer Contracts* publicata in jurnalul Mathematics https://uefiscdi.gov.ro/resource-824820-precisi_lista-1_partial-2_rezultate-eligibilitate_articole-2020_.pdf?&wtok=&wtkps=XU5ZasMwEL2LvhtHIyFkjX9yghDICVyP7A5YcbC8pATfPZJb6PI1b97Gq9HiM6JGEZlEFdEoFLCo1nL3HqDt2a2h7uZxpttipPL9oJye3KcfDxTuztoDPZT70DkLKDjfVGHgG5wmUdVJee5y+P0kL2MJ0lXbtk9oKGbKaJPLLAqi++1yPWorValKacq9NEV/mDcFYDSAhq8JZk+d/2VAovhrTNNWn4FOKAw0974Yxq6YfcuxIS4W9mtRjxM3Qy+q7QU=&wchk=20b953a24c2cc61b474b8ca651f69217f6bacb92	CNCSIS	**15**
4	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 *Optimal Phase Load Balancing in Low Voltage Distribution Networks Using a Smart Meter Data Based Algorithm,* publicata in jurnalul Mathematics https://uefiscdi.gov.ro/resource-824264-precisi_lista-1_partial-3_rezultate-eligibilitate_articole-2020_.pdf?&wtok=&wtkps=XU5LDsIgEL0La61MkRSnG09gTDxBA2hlQUhpbbTp3YVq4mc1b94vr8EKp4gMSTSK1BF5giA6N0LzMPJupXNuEJWzAe6hfUQXwAtOdditobetHOxabWXwLlcBicm3RMLhDfY9qZukTlvsvp/kNSiA7up5XjZIFTPFGc9lFRKlwvV42rCKlqIUllulNEU/zKoE4AyAwWsCX1KHvwxQJL/GNG3UGbCEnFeD1YXvLsWgzyZKZYqb0WPRdL2R3pJ6fgl=&wchk=172db632aeb47c7292fcf3a0408dde5be7d69c0f	CNCSIS	**15**

5	Premiu UEFISCDI prin programul Planul National de Cercetare, Dezvoltare si Inovare pentru perioada 2015-2020, PNCDI III, Programul Dezvoltarea sistemului national de cercetare-dezvoltare, Subprogramul 1.1. – Resurse Umane, Premierea rezultatelor cercetarii – articole, in anul 2021 pentru lucrarea Bi-Level Phase Load Balancing Methodology with Clustering-Based Consumers' Selection Criterion for Switching Device Placement in Low Voltage Distribution Networks, publicata in jurnalul Mathematics https://uefiscdi.gov.ro/resource-868119-precisi2021_lista-2_rezultate-eligibilitate-art-2021_18.11.2021.pdf?&wtok=&wtkps=XY5NjsIwDIXvkjWUOsFNcDdzAoTECUoTBmvozzQEaKvenbRiwczKz37ve3JBmkZPioRnK3JPKEm4oIvnjwxtxjWgG9rhjM6W/aX/7aUJ92rb1Wa9O+HwvKyBNSN3MwskeJ6xAuEtvm4iL6IzLnb1ucQsk4F0l0/T8kJp/XzK4iUGNAlr2/pw3CidSiNNimYpjagEQAWgQK3+moALtf/HQPrJvF97uFmoqKrGhqtLmu47Ce7MvrSc3Nk9kqK7cdlcRT69AA==&wchk=22e48a856b6a6d91b86874e2439d2f38477f0a4a	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, Premierea 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 https://uefiscdi.gov.ro/resource-868117-precisi2021_lista-2_rezultate-eligibilitate-art-2020_18.11.2021.pdf?&wtok=&wtkps=XY5NjsIwDIXvkjWUOsFNcDdzAoTECUoTBmvozzQEaKvenbRiwczKz37ve3JBmkZPioRnK3JPKEm4oIvnjwxtxjWgG9rhjM6W/aX/7aUJ92rb1Wa9O+HwvKyBNSN3MwskeJ6xAuEtvm4iL6IzLnb1ucQsk4F0l0/T8kJp/XzK4iUGNAlr2/pw3CidSiNNimYpjagEQAWgQK3+moALtf/HQPrJvF97uFmoqKrGhqtLmu47Ce7MvrSc3Nk9kqK7cdlcRT69AA==&wchk=22e48a856b6a6d91b86874e2439d2f38477f0a4a	CNCSIS	**15**
			90

3.7.4. Membru în academii, organizaţii

Nr crt.	Subcategorii (National / International)	Asociaţii 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:
25.09.2023

Candidat,
Conf. dr. ing. Bogdan-Constantin Neagu