

Anexa nr. 10 - COMISIA DE INGINERIE ENERGETICĂ
 STANDARDE MINIMALE NECESARE ȘI OBLIGATORII PENTRU CONFERIREA TITLURILOR DIDACTICE DIN ÎNVĂȚĂMÂNTUL SUPERIOR ȘI A GRADELOR PROFESIONALE DE CERCETARE – DEZVOLTARE
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 Perioada de raportare: toata cariera

1. Structura activității candidatului										
Nr.crt.	Domeniul activităților	Tipul activităților	Categorii și restricții	Subcategoriile	Indicatori (kpi)					
0	1	2	3	4	5	Kpi				
1	Activitatea didactica si profesionala (A1)	1.1 Cărți și capitole în cărți de specialitate	1.1.1 Carti/ capitole ca autor pentru Profesor: minim 4, d.c. 1 prim autor; pentru Conferentiar: minim 2	1.1.1.1 internationale	nr. pagini/(2*nr. autori)	7.125	Total A1: 196.475			
				1.1.1.2 nationale	nr. pagini/(5*nr. autori)	107.400				
			1.1.2 Carti/ capitole de carti ca editor/coordonator	1.1.2.1 internationale	nr. pagini/(3*nr. autori)					
				1.1.2.2 nationale	nr. pagini/(7*nr. autori)					
		1.2 Suport didactic	1.2.1 Manuale, suport de curs inclusiv electronic pentru Profesor: Minim 2 din care 1 ca prim autor; pentru Conferentiar minim 1			nr. pagini/(10*nr. autori)	73.550			
				1.2.2 Indrumare de laborator/aplicatii; pentru Profesor: minim 2, din care 1 prim autor; pentru conferentiar minim 1			nr. pagini/(20*nr. autori)	8.400		
		1.3	Coordonare de programe de studii, organizare si coordonare programe de formare continua si proiecte educationale (POS, ERASMUS, sa)	Punctaj unic pentru fiecare activitate			10			
		2	Activitatea de cercetare (A2)	2.1 Articole in extenso in reviste cotate WOS Thomson Reuters, in volume proceedings indexate WOS Thomson-Reuters si brevete de inventie indexate WOS-Derwent *)	2.1.1 Profesor: minim 10 articole, din care minim 4 in reviste			(25+20*factor impact)/nr. de autori	311.196	Total A2: 772.188
					2.1.2 Conferentiar: minim 7 articole, din care minim 2 in reviste					
				2.2 Articole in reviste si volumele unor manifestari stiintifice indexate in alte baze de date internationale **)	2.2.1 Profesor: minim 20 de articole			20/nr.de autori	157.992	
2.2.1 Conferentiar: minim 15 de articole										
2.3 Brevete de inventie indexate in alte baze de date				2.3.1 internationale		25/nr.de autori				
				2.3.2 nationale		15/nr.de autori	20.000			
2.4 Granturi/proiecte castigate prin competitie	2.4.1 Director/ responsabil partener proiect - minim 2 pentru Profesor minim 1 pentru Conferentiar			2.4.1.1 internationale		20*ani de desfasurare	215.000			
				2.4.1.2 nationale		10*ani de desfasurare	20.000			
				2.4.2 Membru in echipa	2.4.2.1 internationale		4*ani de desfasurare	46.000		
2.4.2.2 nationale					2*ani de desfasurare					
2.5 Contracte de cercetare/consultanta (valoarea echivalenta de minim 2 000 Euro)	2.5.1 Director/Responsabil partener			5*ani de desfasurare	2.000					
		2.5.2 Membru echipa			2*ani de desfasurare					
3	Activitati (A3)	3.1 Citări în reviste WOS și volumele conferintelor WOS		3.1.1 Profesor minim 8 citari	5/nr autori ai art.citat	88.667	Total A3: 741.967			
				3.1.2 Conferentiar minim 4 citari						
		3.2 Citări în reviste și volumele conferintelor BDI		3.2.1 Profesor minim 16 citari	3/nr autori ai art.citat	30.300				
				3.2.1 Conferentiar minim 8 citari						
		3.3 Prezentari invitate in plenul unor manifestari stiintifice nationale si internationale și Profesor invitat (exclusiv POS, ERASMUS)	Punctaj unic pentru fiecare activitate	3.3.1 internationale		20				
				3.3.2 nationale		5				
		3.4 Membru in colectivele de redactie sau comitete stiintifice al revistelor si manifestarilor stiintifice, Organizator de manifestari stiintifice, Recenzor pentru reviste si manifestari stiintifice nationale si internationale (punctajul se acorda pentru fiecare revista, manifestare stiintifica si recenzii)	Punctaj unic pentru fiecare activitate	3.3.1 ISI		10	390.000			
				3.3.2 BDI		6	126.000			
				3.3.3 nationale si internationale neindexate		3	15.000			

3	Recunoasterea si impact	3.5 Referent in comisii de doctorat	3.5.1 internationale	10		
			3.5.2 nationale	5	10.000	
		3.6 Premii	Academia Romana	30		
			ASAS, AOSR, academiile de ramura și CNCS	15		
			premiile internationale	10	10.000	
			premiile nationale in domeniu	5		
		3.7 Membru in academii, organizatii, asociatii profesionale de prestigiu, nationale si internationale, apartenență la organizatii din domeniul educatiei si cercetarii	3.7.1 Academia Romana		100	
			3.7.2 ASAS, AOSR si academiile de ramura		30	
			3.7.3 Conducere asociatii profesionale	internationale	30	
				nationale	10	
			3.7.4 Asociatii profesionale	internationale	5	25.000
				nationale	2	6.000
		3.7.5 Consilii si organizatii in domeniul educatiei și cercetării	Conducere	15		
Membru	10					

Nota:

*) Conform situatiei curente de pe site-ul ISI THOMSON REUTERS

**) bazele de date internationale (BDI) luate in considerare pentru articolele publicate in reviste si publicate in volumele unor manifestari stiintifice, cu exceptia articolelor publicate in reviste cotate ISI, sunt cele recunoscute pe plan stiintific international: Scopus, IEEE Xplore, Science Direct, Elsevier, Wiley, ACM, DBLP, Springerlink, Engineering Village, Cabi, Emerald, CSA, Compendex, INSPEC, EBSCO, ProQuest, Index Copernicus, Ulrichweb.

2. Formula de calcul a indicatorului de merit (A = A1+A2+A3)

$$A = \sum_i k_{1i} + \sum_i k_{2i} + \sum_i k_{3i}$$

unde: k_{pi} – Indice specific tipului si categoriei de activitate

3. Conditii minimale (A _i)				
Nr. crt.	Categoria			
	Domeniul de activitate	Conditii Profesor	Conditii Realizate pe perioada de raportare	
1	Activitatea didactică / profesională (A1)	Minim 120 puncte	196.475	
2	Activitatea de cercetare (A2)	Minim 360 puncte	772.188	
3	Recunoașterea si impactul activității (A3)	Minim 120 puncte	741.967	
TOTAL		Minim 600 puncte	1710.63	Scor
				2.85

1.1. Carti si capitole în carti de specialitate

Nr crt.	1.1.1.1. Carti si capitole în carti de specialitate internationale, ca autor: Autori carte, Titlu carte, Editura (ISBN), Editori, Localitate, Tara, Numar pagini carte, Anul/ Autori capitol, Titlu capitol, Numar capitol, Numar pagini capitol, in: Titlu carte, Editura (ISBN), Editori, Localitate, Tara, Anul	Anul	Nr. pagini carte/ capitol	Nr. autori	Kpi
1	Capitol de carte, Paul Borza, Mihai Sănduleac , Ana Maria Mușat, Marius C. Carp - <i>Engineering the future, capitol 20 - Energy and information</i> , SCIYO, 2010, ISBN 978-953-307-210-4	2010	18	4	2.250
2	Joao F. Martins, Anabela Goncalves Pronto, Vasco Delgano-Gomez, Mihai Sanduleac , <i>Pathways to a Smarter Power System, Academic Press, Elsevier, cap. 4: "Smart Meters and Advanced Metering Infrastructure"</i> , Elsevier 2019, DOI: 10.1016/B978-0-08-102592-5.00004-1, ISBN 987-08-102592-5, p. 89-114	2019	25	4	3.125
3	Mihai Sănduleac , Mihai Macarie, Cătălin Chimirel, Paul Lăcătuș, <i>Space Infrastructures: From Risk to Resilience Governance, capitolul "Addressing Cyber-Security and Privacy in a Multi-Actor Energy Environment Using Unbundled Smart Meter Architecture"</i> , IOS Press, NATO Science for Peace and Security Series - D: Information and Communication Security, 2020, 978-1-64368-072-9 (print) 978-1-64368-073-6 (online), p. 131-144	2020	14	4	1.750
TOTAL					7.125

Kpi = nr. pagini/(2* nr. autori)

Nr crt.	1.1.1.2. Carti si capitole în carti de specialitate nationale, ca autor: Autori carte, Titlu carte, Editura (cod CNCIS; ISBN), Editori, Localitate, Numar pagini carte, Anul/ Autori capitol, Titlu capitol, Numar capitol, Numar pagini capitol, in: Titlu carte, Editura (cod CNCIS; ISBN), Editori, Localitate, Anul	Anul	Nr. pagini carte/ capitol	Nr. autori	Kpi
1	Carmen Golovanov, Mihaela Albu, Nicolae Golovanov, Petru Todos, Mircea Chindriș, Andrei Chiciuc, Costin Ștefănescu, Aurelian Calotoiu, Mihai Sănduleac , Ștefan Gheorghe, Luminița Elefterescu, <i>Probleme moderne de măsurare în electroenergetică - Editura Tehnică, București 2001,</i>	2001	770	11	14.000
2	P. Preoteasa, Eugenia Alexandra Aldica, Mihai Sănduleac , Mihaela Turcan - <i>Informatica, tehnologii asistate de calculator, manual pentru clasa a X-a, Editura didactica si pedagogica, București 2000, ISBN 973-30-2578-X</i>	2000	180	4	9.000
3	Eugeniu Potolea, Dumitru Cioflică, Tatiana Crimu, Mihai Sănduleac – <i>Bazele fizice ale Energeticii</i> , Editura POLITEHNICA PRESS, București 2004, ISBN: 978-606-515-591-6	2004	240	4	12.000

Kpi = nr. pagini/(5* nr. autori)

4	Mircea Eremia, Mihai Sănduleac , Lucian Toma, Constantin Bulac, Alisa Manoloiu - Dispozitive FACTS: Concepte și aplicații în electroenergetică, editura AGIR, 2017, ISBN: 978-973-720-682-4, 2017	2017	460	5	18.400
5	Mihai Sanduleac , Tehnologii digitale și sisteme SCADA pentru conducerea sistemelor electroenergetice, București, Politehnica Press, 2019, ISBN 978-606-515-870-2	2019	270	1	54.000
				TOTAL	107.400

Nr. crt.	1.1.2.1. Carti si capitole în carti de specialitate internationale, ca editor/coordonator: Titlu carte/denumire revista, Editura (ISBN sau ISSN), Editori/Coordonatori, volum(numar), Localitate, Tara, Numar total de autori, Numar de pagini carte, Anul/ Titlu capitol, Numar capitol, Coordonatori capitol, Numar autori capitol, Numar pagini capitol, in: Titlu carte/denumire revista, Editura (ISBN sau ISSN), Editori, volum(numar), Localitate, Tara, Anul	Anul	Nr. pagini carte/capitol	Nr. autori carte/capitol	Kpi
1					
2					
				TOTAL	0.000

Kpi = nr. pagini/(3* nr. autori)

Nr. crt.	1.1.2.2. Carti si capitole în carti de specialitate nationale, ca editor/coordonator: Titlu carte/denumire revista, Editura (cod CNCIS, ISBN sau ISSN), Editori/Coordonatori, volum(numar), Localitate, Numar total de autori, Numar de pagini carte, Anul/ Titlu capitol, Numar capitol, Coordonatori capitol, Numar autori capitol, Numar pagini capitol, in: Titlu carte/denumire revista, Editura (cod CNCIS, ISBN sau ISSN), Editori, volum(numar), Localitate, Anul	Anul	Nr. pagini carte/capitol	Nr. autori carte/capitol	Kpi
1					
2					
				TOTAL	0.000

Kpi = nr. pagini/(7* nr. autori)

1.2. Suport didactic

Nr crt.	1.2.1. Manuale, suport de curs inclusiv electronic:	Anul	Nr. pagini	Nr. autori	Kpi
	Autori manual, Titlu, Editura (cod CNCIS; ISBN sau fara ISBN pentru edituri de institutie), Editori, Localitate, Numar pagini, Anul/ Autori suport curs electronic, Titlu, Numar pagini fisier, Anul, hyperlink la postarea online a fisierului electronic				
1	Mircea Eremia, Mihai Sănduleac , Suport de curs - Tehnologii avansate în sistemele electroenergetice: FACTS și IA (curs în format electronic, disponibil pe system.power.pub.ro/TASE.zip)	2017	351	2	17.550
2	Mihai Sănduleac , Suport de curs - Tehnologii digitale si sisteme SCADA in sisteme electroenergetice (curs în format electronic, disponibil pe system.power.pub.ro)	2019	330	1	33.000
3	Mihai Sănduleac , Suport de curs - Sisteme de stocare a energiei electrice si transport electric - SSETE (curs în format electronic, disponibil pe system.power.pub.ro)	2019	230	1	23.000
4					
5					
				TOTAL	73.550

Kpi = nr. pagini/(10 *nr. autori)

Nr crt.	1.2.2. Îndrumare de laborator/aplicatii:	Anul	Nr. pagini	Nr. autori	Kpi
	Autori, Titlu, Editura (cod CNCIS; ISBN), Editori, Localitate, Numar pagini, Anul				
1	Mihai Sănduleac , Lucian Toma, Îndrumar de laborator „Elemente de utilizare avansată a contoarelor de energie electrică în sisteme electroenergetice” – Editura Politehnica Press, 2017, ISBN 978-606-515-766-8	2017	76	2	1.900
2	Mihai Sănduleac , Îndrumar de laborator: Rețele de distribuție de joasă tensiune ale viitorului : analiza funcționării rețelelor cu programe de calcul open-source. Îndrumar de laborator, București, Politehnica Press, 2019, ISBN 978-606-515-869-6	2019	130	1	6.500
3					
				TOTAL	8.400

Kpi = nr. pagini/(20 *nr. autori)

Nr crt.	1.3. Coordonare de programe de studii, organizare si coordonare programe de formare continua si proiecte educationale (POS, ERASMUS, sa) Date identificare activitate (program/proiect), calitatea de coordonator/organizator, Anul	Anul sau Perioada raportata	Kpi
1			
2			
3			
4			
		TOTAL	0

Kpi = 10
 (punctaj unic pentru fiecare activitate)

2.1. Articole in extenso in reviste cotate WOS Thomson Reuters, in volume proceedings indexate WOS Thomson-Reuters, brevete de inventie indexate WOS-Derwent*)

TOTAL criteriu
2.1
311.196

Nr. crt.	Articole in extenso in reviste cotate WOS Thomson Reuters*) Autori, Titlu articol, Revista sau Conferinta (codul WOS al articolului** ; ISSN revista sau proceedings conferinta), Localitate+Tara+Perioada desfasurarii in cazul conferintei, volum(numar) revista/proceedings, pp. NX-NY (pagini articol de la NX pana la NY), Anul	Anul	Nr. autori	Fi pe 2019 (FI = factor impact)	Kpi
1	Mihaela Albu, Mihai Sănduleac , Carmen Stănescu - <i>Syncretic use of smart meters for Power Quality monitoring in emerging networks</i> , IEEE Transactions on Smart Grids (Journal), Volume 8, Issue: 1, Pages: 485-492, Published January 2017, Document type: Article, Publisher: IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC, 445 HOES LANE, PISCATAWAY, NJ 08855-4141 USA DOI: 10.1109/TSG.2016.2598547, ISSN: 1949-3053, eISSN: 1949-3061	2017	3	8.267	63.447
2	J. Pitt, Aikaterini Bourazeri, A. Nowak, Magda Roszczynska-Kurasinska, Agnieszka Rychwalska, Inmaculada Rodriguez Santiago, Maite Lopez Sanchez; Monica Florea; Mihai Sănduleac - <i>Transforming Big Data into Collective Awareness</i> , Computer, Volume:46, Issue: 6, Pages: 40-45, June 2013, IEEE Computer Society, Document type: Article, Publisher: IEEE COMPUTER SOC, 10662 LOS VAQUEROS CIRCLE, PO BOX 3014, LOS ALAMITOS, CA 90720-1314 USA, DOI: 10.1109/MC.2013.153, INSPEC Accession Number: 13539194, ISSN 0018-9162, WOS:000320190500015	2013	9	4.419	12.598
3	Mihai Sanduleac , G. Lipari, A. Monti, A. Volukidis, G. Zanneto, A. Corsi, L. Toma, G. Fiorentino, D. Federenciuc, <i>Next Generation Real-Time Smart Meters for ICT Based Assessment of Grid Data Inconsistencies</i> , Energies 2017, 10(7), 857; doi:10.3390/en10070857, WOS:000406700200028	2017	10	2.702	7.904
4	Mihai Sănduleac , Ciornei, Irina; Albu, Mihaela; Toma, L; Sturzeanu, Marta; Martins, JF, <i>Resilient Prosumer Scenario in a Changing Regulatory Environment-The UniRCon Solution</i> , Energies 2017, 10(7), 857; doi:10.3390/en10070857, WOS:000423156900012	2017	6	2.702	13.173
5	Mihai Sanduleac , João F. Martins, Irina Ciornei, Mihaela Albu, Lucian Toma, Vitor Fernão Pires, Lenos Hadjidemetriou, Rooktabir Sauba, <i>Resilient and Immune by Design Microgrids Using Solid State Transformers</i> , Energies 2018, 11(12), 3377; https://doi.org/10.3390/en1123377, WOS:000455358300138	2018	8	2.702	
6	Mihai Sanduleac , Lucian Toma, Mircea Eremia, Irina Ciornei, Constantin Bulac, Ion Tristiu, Andreea Iantoc, João F. Martins, Vitor Fernão Pires, <i>On the Electrostatic Inertia in Microgrids with Inverter-Based Generation Only-An Analysis on Dynamic Stability</i> , Energies, Volume: 12, Issue: 17, DOI: 10.3390/en12173274, WOS:000486860500071	2018	10	2.702	7.904
				TOTAL	105.026

Kpi =
(25+20*FI)
/nr.de
autori

Nr. crt.	Articole in extenso in volume proceedings indexate WOS Thomson-Reuters *) Autori, Titlu articol, Revista sau Conferinta (codul WOS al articolului** ; ISSN revista sau proceedings conferinta), Localitate+Tara+Perioada desfasurarii in cazul conferintei, volum(numar) revista/proceedings, pp. NX-NY (pagini articol de la NX pana la NY), Anul	Anul	Nr. autori	FI = 0	Kpi
7	Mihai Sănduleac , Mihaela Albu, J Martins, M ^a Dolores Alacreu, Carmen Stanescu - <i>Power Quality Assessment in LV networks using new Smart Meters design</i> , CPEE 2015, June 24-26, 2015, PROCEEDINGS 2015 9TH INTERNATIONAL CONFERENCE ON COMPATIBILITY AND POWER ELECTRONICS (CPE), Pages: 106-112, Published: 2015, Publisher: IEEE, 345 E 47TH ST, NEW YORK, NY 10017 USA DOI: 10.1109/CPE.2015.7231057, ISBN:978-1-4799-6301-0, WOS:000380468800016	2015	5		5.000
8	C.L. Chimirel, M. Eremia, Mihai Sănduleac - <i>Measurement of Energies within f-P Secondary Control by the Means of Metrological Procedures</i> , ATEE 2015, The 9th International Symposium On Advanced Topics In Electrical Engineering, May 7-9, 2015, Bucharest, Romania, 2015 9TH INTERNATIONAL SYMPOSIUM ON ADVANCED TOPICS IN ELECTRICAL ENGINEERING (ATEE), Pages: 759-764, Published: 2015, Publisher: IEEE, 345 E 47TH ST, NEW YORK, NY 10017 USA, DOI: 10.1109/ATEE.2015.7133917, WOS:000368159800141	2015	3		8.333
9	Mihai Sănduleac , Carmen Stanescu, Nicolae Golovanov - <i>Power networks observability, control and automation using Unbundled Smart Meters</i> , 2016 International Conference on Development and Application Systems (DAS), May 2016, Suceava, 2016 13TH INTERNATIONAL CONFERENCE ON DEVELOPMENT AND APPLICATION SYSTEMS (DAS 2016), Pages: 16-20, Published 2016, Publisher: IEEE, 345 E 47TH ST, NEW YORK, NY 10017 USA, DOI: 10.1109/DAAS.2016.7492541, ISBN:978-1-5090-1993-9, WOS:000383222000004	2016	3		8.333

Kpi =
(25+20*FI)
/nr.de
autori

10	Mihai Sănduleac , Lucas Pons, Giampaolo Fiorentino, Rares Pop, Mihaela Albu - The unbundled Smart Meter concept in a synchro-SCADA framework, IEEE I2MTC - 2016 International Instrumentation and Measurement technology Conference, May 23-26, 2016, Taipei, Taiwan, 2016 IEEE INTERNATIONAL INSTRUMENTATION AND MEASUREMENT TECHNOLOGY CONFERENCE PROCEEDINGS, pages: 752-756, Published: 2016, Publisher: IEEE, 345 E 47TH ST, NEW YORK, NY 10017 USA, DOI: 10.1109/I2MTC.2016.7520459, ISBN:978-1-4673-9220-4, WOS:000382523600133	2016	5		5.000
11	Irina Ciornei; Mihaela Albu; Mihai Sanduleac ; Andres Felipe Martinez Palomino, Power flow formulation for LVDC microgrids with nonlinear load models, Published in: 2017 IEEE Second International Conference on DC Microgrids (ICDCM), 27-29 June 2017, Nuremburg, Germany, DOI: 10.1109/ICDCM.2017.8001083, WOS:000426893200070	2017	4		6.250
12	Riccardo Tomasi; Jinyong Fu; Maurizio Fantino; Maurizio A. Spirito; Mihai Sanduleac ; Veronika Krauß; João F. Martins; Massimo Minighini; Rasmus Rode Mosbæk, Fostering innovation cooperative energy storage systems: The Storage4Grid project, Published in: 2017 IEEE International Conference on Environment and Electrical Engineering and 2017 IEEE Industrial and Commercial Power Systems Europe (EEEIC / I&CPS Europe), 6-9 June 2017, Milan, Italy, DOI: 10.1109/EEEIC.2017.7977558, WOS:000426764000159	2017	9		2.778
13	Irina Ciornei; Mihaela Albu; Mihai Sanduleac ; Lenos Hadjidemetriou; Elias Kyriakides, Analytical derivation of PQ indicators compatible with control strategies for DC microgrids, Published in: 2017 IEEE Manchester PowerTech, 18-22 June 2017, Manchester, UK, DOI: 10.1109/PTC.2017.7981179, WOS:000411142500386	2017	5		5.000
14	Ewa Piatkowska; Lucas Pons Bayarri; Lola Alacreu Garcia; Kyriaki Mavrogenou; Kostas Tsatsakis; Mihai Sanduleac ; Paul Smith, Enabling novel smart grid energy services with the nobel grid architecture, Published in: 2017 IEEE Manchester PowerTech, 18-22 June 2017, Manchester, UK, DOI: 10.1109/PTC.2017.7981218, WOS:000411142500425	2017	7		3.571
15	Mircea Eremia, Lucian Toma, Mihai Sănduleac - The Smart City Concept in the 21st Century, Procedia Engineering, Volume 181, 2017, Pages 12–19, http://www.sciencedirect.com/science/article/pii/S1877705817309402 , DOI: https://doi.org/10.1016/j.proeng.2017.02.357 , WOS:000404612700002	2017	3		8.333
16	Fabio Carmo; João F. Martins; Mihai Sănduleac , A methodology to assess home PV capacity to mitigate wind power forecasting errors, 2017 International Young Engineers Forum (YEF--ECE), 2017, Pages: 47 - 52, DOI: 10.1109/YEF-2017.7935639, WOS:000403407200009	2017	3		8.333
17	Mihai Sanduleac , Ana-Maria Dumitrescu, Luian Toma, Carmen Stanescu, Mihela Albu - On the frequency measurement in Wide Area Measurement and Control Systems, Advanced Topics in Electrical Engineering (ATEE), 2017 10th International Symposium on, 23-25 March 2017, Bucharest, Romania, Published in: Advanced Topics in Electrical Engineering (ATEE), 2017 10th International Symposium on, Pages: 569 - 572, DOI: 10.1109/ATEE.2017.7905073, WOS:000403399400111	2017	5		5.000
18	Mihai Sănduleac , Catalin Chimirel, Mircea Eremia, Lucian Toma, Joao Martins - Supporting Market Solutions by Calculating Ancillary Services and Quality of Service with Metrology Meters, IEEE PES ISGT Europe 2016, September 2016, Ljubljana, Published in: PES Innovative Smart Grid Technologies Conference Europe (ISGT-Europe), 2016 IEEE, Page(s):1 - 6, DOI: 10.1109/ISGTEurope.2016.7856190, WOS:000405511300018	2016	5		5.000
19	Mihai Sanduleac , Mircea Eremia, Lucian Toma, Lola Alacreu, Lucas Pons, Massimi Cresta, Marco Paulucci - Energy Ecosystem in Smart Cities – Privacy and Security solutions for Citizen’s engagement in a Multi-Stream Environment, ICS2, 2016, Trento, Italy, ISBN:978-1-5090-1845-1, Published in: Smart Cities Conference (ISC2), 2016 IEEE International, Pages: 1 - 4, DOI: 10.1109/ISC2.2016.7580739, WOS:000392263700009	2016	7		3.571
20	Mihai Sănduleac , Catalin Chimirel, Mircea Eremia, Lucian Toma, Cristea Cristian, Dorel Stanescu - Unleashing Smart Cities efficient and sustainable energy policies with IoT based Unbundled Smart Meters, 2016 Emergitech, August 2016, Mauritius, Published in: Emerging Technologies and Innovative Business Practices for the Transformation of Societies (EmergiTech), IEEE International Conference on, Pages: 112 - 117, DOI: 10.1109/EmergiTech.2016.7737321, ISBN:978-1-5090-0706-6, WOS:000391537900022	2016	5		5.000
21	Mihai Sănduleac , Carmen Stanescu, Lola Alacreu, Lucas Pons, Alma Solar, Rafael Alemany - Medium/Low Voltage Smart Grid Observability and PQ assessment with Unbundled Smart Meters, IEEE International Energy conference ENERGYCON 2016, 4-8 April, 2016, Leuven, Belgium, Published in: Energy Conference (ENERGYCON), 2016 IEEE International, Pages: 1 - 6, DOI: 10.1109/ENERGYCON.2016.7513988, WOS:000390822900118	2016	5		5.000
22	Cătalîn Chimirel, Mircea Eremia, Mihai Sănduleac - A New Approach for Technological Ancillary Services Measurement and Aggregation by Metrological Procedures, 18th Mediterranean Electrotechnical Conference – MELECON 2016, April 18-20, 2016, Limasol, Cyprus, PROCEEDINGS OF THE 18TH MEDITERRANEAN ELECTROTECHNICAL CONFERENCE MELECON 2016, Book Series: IEEE Mediterranean Electrotechnical Conference-MELECON, Publisher: IEEE, 345 E 47TH ST, NEW YORK, NY 10017 USA, Published in: Electrotechnical Conference (MELECON), 2016 18th Mediterranean, Pages: 1 - 6, WOS:000390719500036, DOI: 10.1109/MELCON.2016.7495337	2016	3		8.333
23	Mihai Sănduleac , Catalin Chimirel, Mircea Eremia, Lucian Toma, Joao Martins - Metrology based Calculation of Voltage Control services provided by advanced Power Generation modules, 2016 CPE-POWERENG, June 2016, Poland, Published in: Compatibility, Power Electronics and Power Engineering (CPE-POWERENG), 2016 10th International Conference on, Pages: 76 - 81, DOI: 10.1109/CPE.2016.7544162, WOS:000389594400011	2016	5		5.000

24	Mihai Sănduleac , Joao Martins, Fernao Pires - <i>Automating Remote Grid Acceptance and Energy Services Tests suited for large deployments of PV systems in active distribution networks</i> , IECON 2015 - 41ST ANNUAL CONFERENCE OF THE IEEE INDUSTRIAL ELECTRONICS SOCIETY, Yokohama, Japan, November 9-12, 2015, IECON 2015 - 41ST ANNUAL CONFERENCE OF THE IEEE INDUSTRIAL ELECTRONICS SOCIETY, Book Series: IEEE Industrial Electronics Society, pages: 4814-4818, published; 2015, Publisher: IEEE, 345 E 47TH ST, NEW YORK, NY 10017 USA, DOI: 10.1109/IECON.2015.7392853, ISBN:978-1-4799-1762-4, WOS:000382950704132	2015	3		8.333
25	Mihai Sanduleac ; Lucian Toma; Gianfranco Chicco; Mihaela Albu, Network code on requirements for generators — A discussion. Resynchronizing with paradigm shifts, Published in: 2017 IEEE PES Innovative Smart Grid Technologies Conference Europe (ISGT-Europe), 26-29 Sept. 2017, Torino, Italy, DOI: 10.1109/ISGTEurope.2017.8260326, WOS:000428016500235	2017	4		6.250
26	Negrea Liviu Andrei; Vladimir Tanasiev; Mihai Sanduleac ; Adrian Badea, Smart metering platform as a solution for data analysis, Published in: 2017 International Conference on ENERGY and ENVIRONMENT (CIEM), 19-20 Oct. 2017, Bucharest, Romania, DOI: 10.1109/CIEM.2017.8120798, WOS:000427610300105	2017	4		6.250
27	Mihai Sanduleac ; Bulac, Constantin; Tanasiev, Vladimir; Dorel Stanescu; Carmen Stanescu; Monica Florea, Energy awareness, an important goal for empowering the end customer, Published in: 2017 International Conference on Optimization of Electrical and Electronic Equipment (OPTIM) & 2017 Intl Aegean Conference on Electrical Machines and Power Electronics (ACEMP), 25-27 May 2017, Brasov, Romania, DOI: 10.1109/OPTIM.2017.7975034, WOS:000426909600090	2017	6		4.167
28	Mihai Sanduleac , A perspective on 50% solar power evolution to support 100% CO2 free electrical energy production, 9th International Renewable Energy Congress (IREC), MAR 20-22, 2018, Hammamet, TUNISIA, Publisher: IEEE, 345 E 47TH ST, NEW YORK, NY 10017 USA, WOS:000434869100009	2018	1		25.000
29	Mihai Sanduleac , Unbundled Smart meters in the new smart grid era Assessment on compatibility with European standardisation efforts and with IoT features, 2018 19TH IEEE MEDITERRANEAN ELECTROTECHNICAL CONFERENCE (IEEE MELECON'18), MAY 02-07, 2018, Marrakesh, MOROCCO, Publisher: IEEE, 345 E 47TH ST, NEW YORK, NY 10017 USA, WOS:000435543900007	2018	1		25.000
30	Mihai Sanduleac , Solar-Based Energy Resilience in Future Cities - A Preliminary Study in the Sub-Sunbelt Region, 11th International Symposium on Advanced Topics in Electrical Engineering (ATEE), MAR 28-30, 2019, Bucharest, ROMANIA, WOS:000475904500119	2019	1		25.000
31	Irina Picioroaga, Mircea Eremia, Mihai Sanduleac , Optimal Allocation of Energy Storage Systems for Resilient Distribution Networks Focusing on Critical Loads, 11th International Symposium on Advanced Topics in Electrical Engineering (ATEE), MAR 28-30, 2019, Bucharest, ROMANIA, WOS:000475904500035	2019	3		8.333
TOTAL					206.171

Nr. crt.	Brevete de inventie indexate WOS-Derwent *) Autori, Titlu articol, Revista sau Conferinta (codul WOS al articolului** ; ISSN revista sau proceedings conferinta), Localitate+Tara+Perioada desfasurarii in cazul conferintei, volum(numar) revista/proceedings, pp. NX-NY (pagini articol de la NX pana la NY), Anul	Anul	Nr. autori	FI = 0	Kpi
1					
2					
3					
4					
5					
TOTAL					0.000

**Kpi =
(25+20*FI)
/nr.de
autori**

***) Conform situatiei curente de pe site-ul ISI Clarivate Analytics (care a preluat Thomson Reuters)**

****) Codul WOS se gaseste in partea de jos a paginii in care se afla indexat articolul in Web of Science (WOS), pe site-ul Clarivate Analytics (care a preluat Thomson Reuters)**

Pentru Proceedings indexate ISI, factorul de impact este: FI = 0

Nr. crt.	2.2. Articole in reviste si volumele unor manifestari stiintifice indexate in alte baze de date internationale **) Autori, Titlu articol, Revista sau Conferinta (BDI in care este indexat articolul; ISSN revista sau proceedings conferinta), Localitate+Tara+Perioada desfasurarii in cazul conferintei, volum(numar) revista/proceedings, pp. NX-NY (pagini articol de la NX pana la NY), Anul	Anul	Nr. autori	Kpi	BDI in care este indexat articolul
1	Mihai Sănduleac , Mircea Eremia, Lucian Toma, Paul Borza - <i>Integrating the Electrical Vehicles in the Smart Grid through Unbundled Smart Metering and multi-objective Virtual Power Plants</i> , 2011 2nd IEEE PES International Conference and Exhibition on Innovative Smart Grid Technologies (IEEE PES ISGT Europe 2011), Manchester, December 2011, Published in: Innovative Smart Grid Technologies (ISGT Europe), 2011 2nd IEEE PES International Conference and Exhibition on , Page(s):1 - 8, DOI: 10.1109/ISGTEurope.2011.6162786, INSPEC Accession Number: 1257793	2011	4	5.000	BDI IEEE XPLORE
2	Mihai Sănduleac , Catalin Chimirel, Lucian Toma, Lola Alacreu, Lucas Pons - <i>National and inter-TSO Balancing and Ancillary Services Markets Within a Pyramid of Energy Services</i> , IET MEDPOWER 2016, 6-9 November 2016, Belgrade, Serbia, Published in: Power Generation, Transmission, Distribution and Energy Conversion (MedPower 2016), Mediterranean Conference on , Pages: 1 - 6, http://digital-library.theiet.org/content/conferences/cp711 , DOI: 10.1049/cp.2016.1033	2016	5	4.000	BDI - IET
3	Mihai Sănduleac , C. Arabolu, Lola Alacreu, L. Pons, M. Cresta, M. Paulucci - <i>Combining Voltage Level Monitoring And Voltage Control In Smart Grids With High Penetration Of Renewables In Terni, Italy</i> , IET Medpower 2016, 6-9 November 2016, Belgrade, Serbia, Published in: Power Generation, Transmission, Distribution and Energy Conversion (MedPower 2016), Mediterranean Conference on , Pages: 1 - 6 http://digital-library.theiet.org/content/conferences/cp711 , DOI: 10.1049/cp.2016.1065	2016	6	3.333	BDI - IET
4	Mihai Sanduleac ; Mihaela Albu; Lucian Toma; João Martins; Anabela Gonçalves Pronto; Vasco Delgado-Gomes, <i>Hybrid AC and DC smart home resilient architecture Transforming prosumers in UniRCons</i> , Published in: 2017 International Conference on Engineering, Technology and Innovation (ICE/ITMC), 27-29 June 2017, Funchal, Portugal, DOI: 10.1109/ICE.2017.8280070	2017	6	3.333	BDI IEEE XPLORE
5	Jinyong Fu; Riccardo Tomasi; Maurizio Fantino; Maurizio A. Spirito; Mihai Sanduleac ; Veronika Krauß; Otilia Werner-Kytölä; Gitte Wad Thybo; Giovanni Paolucci, <i>Towards cooperative ESS for distribution systems with high penetration of RES and EV the Storage4Grid vision</i> , Published in: 2017 International Conference on Engineering, Technology and Innovation (ICE/ITMC), 27-29 June 2017 , Funchal, Portugal, DOI: 10.1109/ICE.2017.8279961	2017	9	2.222	BDI IEEE XPLORE
6	Dorel Stanescu; Mihai Sanduleac ; Carmen Stanescu, <i>Unbundled meters can boost smart city project</i> , Published in: CIRED - Open Access Proceedings Journal (Volume: 2017, Issue: 1, 10 2017), DOI: 10.1049/oap-cired.2017.0794	2017	3	6.667	BDI IEEE XPLORE
7	Jan Ringelstein; Mohamed Shalaby; Mihai Sanduleac ; Lola Alacreu; João Martins; Vasco Delgado-Gomes, <i>Software-driven active customer interface for DER integration</i> , CIRED - Open Access Proceedings Journal (Volume: 2017, Issue: 1, 10 2017), DOI: 10.1049/oap-cired.2017.0561	2017	6	3.333	BDI IEEE XPLORE
8	Mihai Sanduleac ; Lucian Toma; Constantin Bulac; Mircea Eremia; Nicolae Golovanov; Radu Porumb; Mihaela Albu; Stefan Gheorghe; Catalin Chimirel, <i>Energy storage for reaching 100% CO2free and 100% RES — preliminary case study for Romania</i> , Published in: 2017 International Conference on ENERGY and ENVIRONMENT (CIEM), 19-20 Oct. 2017, Bucharest, Romania, DOI: 10.1109/CIEM.2017.8120771	2017	9	2.222	BDI IEEE XPLORE
9	Irina Ciornei; Mihaela Albu; Mihai Sanduleac ; Enrique Rodriguez-Diaz; Josep Guerrero; Juan C. Vásquez, <i>Real-time optimal scheduling for prosumers resilient to regulatory changes</i> , 2018 IEEE International Energy Conference (ENERGYCON), 3-7 June 2018 , Limassol, Cyprus, DOI: 10.1109/ENERGYCON.2018.8398788	2018	6	3.333	BDI IEEE XPLORE
10	Lucian Toma; Mihai Sanduleac ; Stefan Andrei Baltac; Francesco Arrigo; Andrea Mazza; Ettore Bompard; Aysar Musa; Antonello Monti, <i>On the virtual inertia provision by BESS in low inertia power systems</i> , 2018 IEEE International Energy Conference (ENERGYCON), 3-7 June 2018, Limassol, Cyprus, Published in: 2018 IEEE International Energy Conference (ENERGYCON), DOI: 10.1109/ENERGYCON.2018.8398755	2018	8	2.500	BDI IEEE XPLORE

Kpi =
20/nr.de
autori

11	Irina Ciornei ; Mihaela Albu ; Mihai Sănduleac ; Enrique Rodriguez-Diaz ; Remus Teodorescu ; Josep Guerrero, <i>Adaptive Distributed EMS for Small Clusters of Resilient LVDC Microgrids</i> , 2018 IEEE International Conference on Environment and Electrical Engineering and 2018 IEEE Industrial and Commercial Power Systems Europe (IEEEIC / I&CPS Europe), 12-15 June 2018, Palermo, Italy, DOI: 10.1109/IEEEIC.2018.8494529	2018	6	3.333	BDI IEEE XPLORE
12	Carmen Stanescu; Dorel Stanescu; Mihaela Albu; Mihai Sanduleac , <i>Meter accuracy in renewable energy sources-based prosumer nodes</i> , 2017 International Conference on Modern Power Systems (MPS), 6-9 June 2017 , Cluj-Napoca, Romania, DOI: 10.1109/MPS.2017.7974382	2017	4	5.000	BDI IEEE XPLORE
13	Mihai Sanduleac , Lucian Toma, Mircea Eremia, Valentin A. Boicea, Dorian Sidea, Alexandru Mandis , <i>Primary Frequency Control in a Power System with Battery Energy Storage Systems</i> , 2018 IEEE International Conference on Environment and Electrical Engineering and 2018 IEEE Industrial and Commercial Power Systems Europe (IEEEIC / I&CPS Europe), 12-15 June 2018, Palermo, Italy, DOI: 10.1109/IEEEIC.2018.8494490	2018	6	3.333	BDI IEEE XPLORE
14	Mihai Sanduleac , <i>Energy Storage Needs for Clean Power Systems and the Potential Support from Electrical Vehicles : A Simplified Assessment on Romanian Case</i> , 2018 International Conference and Exposition on Electrical And Power Engineering (EPE), 18-19 Oct. 2018, Iasi, Romania, DOI: 10.1109/ICEPE.2018.8559801	2018	1	20.000	BDI IEEE XPLORE
15	Irina-Ioana Picioroagă ; Mircea Eremia ; Mihai Sănduleac , <i>SMART CITY: Definition and Evaluation of Key Performance Indicators</i> , 18-19 Oct. 2018, Iasi, Romania, DOI: 10.1109/ICEPE.2018.8559801	2018	3	6.667	BDI IEEE XPLORE
16	Ioan Catalin Damian ; Mircea Eremia ; Mihai Sanduleac , <i>A Cost Effective Boost Converter for a Hybrid Low- Voltage Neighbourhood Network</i> , 18-19 Oct. 2018, Iasi, Romania, DOI: 10.1109/ICEPE.2018.8559799	2018	3	6.667	BDI IEEE XPLORE
17	Nicu Constandache ; Dorel M. Stanescu ; Mihai Sanduleac ; Carmen Stanescu ; Ion Tristiu ; Alexandru Mandis, <i>Smart Meters, PMU and PQ data analysis in Active Distribution Grids – Case Studies in MV networks</i> , 4-6 Oct. 2018, Craiova, Romania, DOI: 10.1109/ICATE.2018.8551426	2018	6	3.333	BDI IEEE XPLORE
18	Mihai Sănduleac , Mircea Eremia, Irina Picioroagă, <i>Resilience through Self-Sufficiency in Smart Cities: A Preliminary Bucharest Use Case</i> , 2018 International Symposium on Fundamentals of Electrical Engineering (ISFEE), 1-3 Nov. 2018, Bucharest, Romania, DOI: 10.1109/ISFEE.2018.8742461	2018	3	6.667	BDI IEEE XPLORE
19	Mihai Sănduleac ; Antonello Corsi ; Tommaso Bragatto ; Dorel Stanescu ; Carmen Stanescu ; Alin Sbarcea, Constantin Bulac, <i>Using Frequency measurements for data consistency assessment related to malicious data injection in distribution related ICT systems</i> , 2018 International Symposium on Fundamentals of Electrical Engineering (ISFEE), , 1-3 Nov. 2018, Bucharest, Romania, DOI: 10.1109/ISFEE.2018.8742414	2018	7	2.857	BDI IEEE XPLORE
20	Valentin A. Boicea ; Radu Plămănescu ; Ana-Maria Dumitrescu ; Dorian O. Sidea ; Mihai Sănduleac , <i>Voltage control in low voltage campus distribution with high PV penetration</i> , 2018 International Symposium on Fundamentals of Electrical Engineering (ISFEE), , 1-3 Nov. 2018, Bucharest, Romania, DOI: 10.1109/ISFEE.2018.8742439	2018	5	4.000	BDI IEEE XPLORE
21	Mihai Sănduleac , <i>Future Power Systems - the importance and rationale of enforcing and segmenting the electrical energy grid</i> , 2018 International Conference on Power System Technology (POWERCON), 6-8 Nov. 2018, Guangzhou, China, DOI: 10.1109/POWERCON.2018.8601854	2018	1	20.000	BDI IEEE XPLORE
22	Mihai Sanduleac , Mihaela Albu, Dorel Stanescu, Carmen Stanescu, <i>Prosumers optimally adapted to local load. Rationale and benefits for the grid</i> , 2019 8th International Conference on Modern Power Systems (MPS), 21-23 May 2019, Cluj Napoca, Romania, DOI: 10.1109/MPS.2019.8759678	2019	4	5.000	BDI IEEE XPLORE
23	Tommaso Bragatto, Massimo Cresta, Costas Kalogiros, Marco Paulucci, Francesca Santori, Mihai Sanduleac , <i>Innovative Tools for Demand Response Strategies: a Real-Life Experience</i> , 2019 IEEE International Conference on Environment and Electrical Engineering and 2019 IEEE Industrial and Commercial Power Systems Europe (IEEEIC / I&CPS Europe), 11-14 June 2019, Genova, Italy, DOI: 10.1109/IEEEIC.2019.8783584	2019	6	3.333	BDI IEEE XPLORE
24	Mihai Sanduleac , Catalin Chimirel, Mihai Paun, <i>PMU Orchestrator as a solution for managing microgrid monitoring with 5G communication</i> , 2019 54th International Universities Power Engineering Conference (UPEC), 3-6 Sept. 2019, Bucharest, Romani, DOI: 10.1109/UPEC.2019.8893555	2019	3	6.667	BDI IEEE XPLORE

25	Irina Ioana Picioroagă ; Mircea Eremia ; Mihai Sănduleac , <i>Economic Benefits of Energy Storage and Price-aware Demand Response for Future Smart Cities</i> , 2019 54th International Universities Power Engineering Conference (UPEC), 3-6 Sept. 2019, Bucharest, Romania, DOI: 10.1109/UPEC.2019.8893590	2019	3	6.667	BDI IEEE XPLORE
26	Dorian-Octavian Sidea ; Lucian Toma ; Mihai Sanduleac ; Irina-Ioana Picioroaga ; Valentin-Adrian Boicea, <i>Optimal BESS Scheduling Strategy in Microgrids Based on Genetic Algorithms</i> , 2019 IEEE Milan PowerTech , 23-27 June 2019, Milan, Italy, DOI: 10.1109/PTC.2019.8810633	2019	5	4.000	BDI IEEE XPLORE
27	Mihai Sanduleac ; Mihaela Albu ; Dorel Stanescu ; Carmen Stanescu, <i>Grid Storage in LV Networks – An Appropriate Solution to Avoid Network Limitations in High RES Scenarios</i> , 2019 International Conference on Electromechanical and Energy Systems (SIELMEN), 9-11 Oct. 2019, Craiova, Romania, Romania, DOI: 10.1109/SIELMEN.2019.8905803	2019	4	5.000	BDI IEEE XPLORE
28	Ionut Catalin Damian, Mircea Eremia, Mihai Sanduleac , <i>Fault Analysis of a High Voltage Direct Current Link Using Detailed Equivalent Models for Modular Multilevel Converters</i> , 2019 8th International Conference on Modern Power Systems (MPS), 21-23 May 2019, Cluj Napoca, Romania, DOI: 10.1109/MPS.2019.8759706	2019	3	6.667	BDI IEEE XPLORE
29	Lucian Toma ; Mihai Sanduleac ; Dorian-Octavian Sidea ; Carmen Stanescu ; Ciprian Diaconu ; Mihaela Albu ; Ana-Maria Dumitrescu , <i>Frequency Dynamics in the Romanian Power System under Large Perturbations</i> , 2020 55th International Universities Power Engineering Conference (UPEC), 1-4 Sept. 2020, Torino, Italia, DOI: 10.1109/UPEC49904.2020.9209882	2020	7	2.857	BDI IEEE XPLORE
				TOTAL	157.992

****)** bazele de date internationale (BDI) luate in considerare pentru articolele publicate in reviste si publicate in volumele unor manifestari stiintifice, cu exceptia articolelor publicate in reviste cotate ISI, sunt cele recunoscute pe plan stiintific international: Scopus, IEEE Xplore, Science Direct, Elsevier, Wiley, ACM, DBLP, Springerlink, Engineering Village, Cabi, Emerald, CSA, Compendex, INSPEC, EBSCO, ProQuest, Index Copernicus, Ulrichweb.

*se pune link spre baza de date in care este articolul

2.3. Brevete de inventie indexate in alte baze de date

Nr. crt	2.3.1. internationale Autori, Titlu, Elemente de identificare, Anul	Anul	Nr. autori	Kpi	Kpi = 25/nr.de autori
1					
			TOTAL	0.000	

Nr. crt	2.3.2. nationale Autori, Titlu, Elemente de identificare, Anul	Anul	Nr. autori	Kpi	Kpi = 15/nr.de autori
1	Mihai Sănduleac , C. Vâlcea - Dispozitiv prelucrare digitala a stării contactelor, 1987, Brevet nr. 95517/1988	1988	2	7.500	
2	M. Eremia, Mihai Sănduleac , N. Golovanov - Metoda si sistem de comanda in rețelele electrice de distribuție industrială, Brevet nr. 95438/1988	1988	3	5.000	
3	Mihai Sănduleac , C. Nan, Circuit de combatere a efectului de flicker, Brevet nr. 98424/1989	1989	2	7.500	
			TOTAL	20.000	

2.4. Granturi/proiecte castigate prin competitie nationala/internationala

Nr. crt	2.4.1.1. Granturi/proiecte castigate prin competitie, ca Director/ Responsabil partener, internationale: Director proiect, Responsabili parteneri, Titlu proiect (si acronim), Tip grant si cod proiect, Autoritatea contractanta, Beneficiar, Tip finantare, Tara, Perioada derularii	Perioada	Suma totala (de specificat unitatea monetara)	Nr. ani	Kpi	Kpi = 20*ani de desfasurare
1	Nobel Grid, 2015-2019, HORISON 2020, proiect câștigat prin competiție, proiect nr. 646184, liderul proiectului european: ETRA (Spania), participare ca membru in consortiu din partea ECRO SRL si Exenir SRL, proiect pe 42 luni, responsabil de proiect in mod succesiv din partea ECRO SRL si Exenir	2015-2018	245000 Euro	3.5	70.000	
2	Storage4Grid, 2016-2020, HORISON 2020, proiect câștigat prin competiție, proiect nr. 731155, liderul proiectului european: ISMB / Torino (Italia), participare ca membru in consortiu din partea Universitatii Politehnica Bucuresti, contributie Comisia Europeana 410437.5 Eur, proiect de 39 luni, perioada 2020, director de proiect din partea Universității Politehnica București	2016-2020	410000 Euro	3.25	65.000	
3	FENIX, 2005-2009, FP6, proiect câștigat prin competiție, lider de proiect european: Iberdrola (Spania), proiect de 48 luni (4 ani), perioada 2005-2009, participare ca membru in consortiu din partea ECRO SRL, contributie Comisia Europeana 385500 Eur, responsabil proiect din partea ECRO SRL	2005-2009	385000 Euro	4	80.000	
					TOTAL	215.000

Nr. crt	2.4.1.2. Granturi/proiecte castigate prin competitie, ca Director/ Responsabil partener, nationale: Director proiect, Responsabili parteneri, Titlu proiect (si acronim), Tip grant si cod proiect, Autoritatea contractanta, Beneficiar, Perioada derularii	Perioada	Suma totala (lei)	Nr. ani	Kpi	Kpi = 10*ani de desfasurare
1	Sistem inteligent pentru conștientizare în domeniul energetic - SEAS, 2014-2015, proiect câștigat prin competiție ITEA 2, finantare UEFISCDI, contract nr. 338E/16.06.2014, PN II: Inovare, subprogramul Cooperare europeana Eureka-Eurostars, valoare totala contract 2989349 lei, finanțare de la bugetul de stat 1373875 lei, derulare 2014-2016, responsabil de proiect	2014-2016	2980000 lei	2	20.000	
					TOTAL	

Nr. crt	2.4.2.1. Granturi/proiecte castigate prin competitie, ca Membru in echipa, internationale: Director proiect, Responsabili parteneri, Autori (candidatul subliniat), Titlu proiect (si acronim), Tip grant si cod proiect, Autoritatea contractanta, Beneficiar, Tip finantare, Tara, Perioada derularii	Perioada	Suma totala (de specificat unitatea monetara)	Nr. ani	Kpi	Kpi = 4*ani de desfasurare
1	RESERVE, HORISON 2020, proiect câștigat prin competiție H2020, proiect nr. 727481, liderul proiectului european: Ericsson / Aahen (Germania), participare ca membru in consortiu din partea Universitatii Politehnica Bucuresti, contributie Comisia Europeana 128750 Eur, proiect de 36 luni, derulare 2016-2019, membru in proiect din partea Universitatii Politehnica Bucuresti	2016-2019	128000 Euro	2.5	10.000	
2	SUCCESS, HORISON 2020, proiect câștigat prin competiție Horison 2020, proiect nr. 700416, liderul proiectului european: Ericsson / Aahen (Germania), participare ca membru in consortiu din partea Centrului Roman al Energiei (CRE), contributie Comisia Europeana 199937,5 Eur, proiect de 30 luni, derulare 2016-2018, membru in proiect din partea entruului Roman al Energiei	2016-2018	199000 Euro	2.5	10.000	
3	Wisegrid, HORISON 2020, proiect câștigat prin competiție Horison 2020, proiect nr. 731205, liderul proiectului european: Etra (Spania), participare ca membru in consortiu din partea Centrului Roman al Energiei (CRE), proiect de 36 luni, derulare 2016-2019, membru in proiect din partea Centrului Roman al Energiei	2016-2019	250000 Euro	3	12.000	

4	NRG5, HORISON 2020, proiect câștigat prin competiție Horison 2020, proiect nr. 762013, liderul proiectului european: Engineering (Italia), participare ca membru in consortiu din partea Centrului Roman al Energiei (CRE), proiect de 24 luni, derulare 2017-2019, membru in proiect din partea Centrului Roman al Energiei	2017-2019	120000 Euro	2.5	10.000
5	WEDISTRIC, HORISON 2020, proiect câștigat prin competiție Horison 2020, proiect nr. 857801, liderul proiectului european: Actiona (Spania), proiect de 42 luni, derulare 2019-2023, membru in proiect din partea Universitatii Politehnica Bucuresti	2019-2023	1100000	1	4.000
				TOTAL	46.000

Nr. crt	2.4.2.2. Granturi/proiecte castigate prin competitie, ca Membru in echipa, nationale: Director proiect, Responsabili parteneri, Autori (candidatul subliniat), Titlu proiect (si acronim), Tip grant si cod proiect, Autoritatea contractanta, Beneficiar, Perioada derularii	Perioada	Suma totala (lei)	Nr. ani	Kpi
1					0.000
2					0.000
3					0.000
4					0.000
				TOTAL	0.000

**Kpi = 2*ani
de
desfasurare**

2.5. Contracte de cercetare/consultanta (valoarea echivalenta de minim 2 000 Euro)

Nr. crt	2.5.1. Contracte ca Director/Responsabil partener: Director proiect, Titlu proiect, Nr. contract, Beneficiar, Perioada derularii	Perioada	Suma totala (echivalentul in Euro)	Nr. ani	Kpi	Kpi = 5*ani de desfasurare
1					0.000	
2					0.000	
3					0.000	
				TOTAL	0.000	

Nr. crt	2.5.2. Contracte ca Membru in echipa: Director proiect, Autori (candidatul subliniat), Titlu proiect, Nr. contract, Beneficiar, Perioada derularii	Perioada	Suma totala (echivalentul in Euro)	Nr. ani	Kpi	Kpi = 2*ani de desfasurare
1	Consultanță Cod măsurare, subcontractare ECRO SRL de către Tractebel Engineering, beneficiar final ANRE, 2014-2015, valoare echivalentă mai mare de 2000 Euro, valoare confidențială	2014-2015	5000	1	2.000	
2					0.000	
3					0.000	
4					0.000	
				TOTAL	2.000	

3.1. Citări în reviste WOS și volumele conferințelor WOS (se exclud autocitările; lucrări citate: articol de revista, conferința, carte, teza)

Nr. citari	Lucrarea citata: Autori, Titlu lucrare citata, date de identificare lucrare (dupa caz, ca la A1 sau A2), Anul	Anul	Nr. autori ai art. citat	Articolul ISI în care se afla citarea: Autori, Titlu articol ISI, Revista sau Conferinta (FI - factorul de impact/2019; ISSN), Localitate+Tara+Perioada desfasurarii în cazul conferinței, volum(numar) revista/proceedings, pp. NX-NY (pagini articol de la NX pana la NY), Anul	Anul	FI/2019 al revistei în care se face citarea	Kpi
1	Mihai Sănduleac , <i>Unbundled Smart meters in the new smart grid era Assessment on compatibility with European standardisation efforts and with IoT features</i> , 2018 19TH IEEE MEDITERRANEAN ELECTROTECHNICAL CONFERENCE (IEEE MELECON'18), MAY 02-07, 2018, Marrakesh, MOROCCO, Publisher: IEEE, 345 E 47TH ST, NEW YORK, NY 10017 USA, WOS:000435543900007	2018	1	Slacik, Jan; Mlynek, Petr; Fajdiak, Radek; et al., Capabilities and Visions of Broadband Power-Line in Smart Grids Applications, 20th International Scientific Conference on Electric Power Engineering (EPE) Location: CZECH REPUBLIC Date: MAY 15-17, 2019, WOS:000535890900112	2019		5.000
2			1	Khan, Maman Ahmad; Hayes, Barry, Three Phase State Estimation in Power Distribution Networks by Integrating IEEE-1588 with Smart Meters, International Conference on Smart Grid Synchronized Measurements and Analytics (SGSMA) Location: Texas A&M Univ, College Station, TX Date: MAY 20-23, 2019, WOS:000494746200034	2019		5.000
3			1	Stecchi, Ugo; Gomez, Javier; Gallego, Lourdes; et al., A multipurpose ICT platform for supporting energy transition: first results in flexibility profiling, 1st Conference on Energy Transition in the Mediterranean Area (SyNERGY MED) Location: Cagliari, ITALY Date: MAY 28-30, 2019, WOS:000490562000042	2019		5.000
4	Mihai Sanduleac , Lucian Toma, Mircea Eremia, Irina Ciornei, Constantin Bulac, Ion Tristiu, Andreea Iantoc, João F. Martins, Vitor Fernão Pires, <i>On the Electrostatic Inertia in Microgrids with Inverter-Based Generation Only-An Analysis on Dynamic Stability</i> , Energies, Volume: 12, Issue: 17, DOI: 10.3390/en12173274, WOS:000486860500071	2019	1	De Silva, H. H. H.; Jayamaha, D. K. J. S.; Lidula, N. W. A., Review on design and control of solid state transformer based microgrids, AIMS ENERGY, Volume: 7 Issue: 6 Pages: 901-923, DOI: 10.3934/energy.2019.6.901, WOS:000519562600001	2019		5.000
5	Jeremy Pitt, Aikaterini Bourazeri, A. Nowak, Magda Roszczynska-Kurasinska, Agnieszka Rychwalska, Inmaculada Rodriguez Santiago, Maite Lopez Sanchez, Monica Florea; Mihai Sănduleac - <i>Transforming Big Data into Collective Awareness</i> , Computer, Volume:46, Issue: 6, Pages: 40-45, June 2013, IEEE Computer Society, Document type: Article, Publisher: IEEE COMPUTER SOC, 10662 LOS VAQUEROS CIRCLE, PO BOX 3014, LOS ALAMITOS, CA 90720-1314 USA, DOI: 10.1109/MC.2013.153, INSPEC Accession Number: 13539194, ISSN 0018-9162, WOS:000320190500015	2013	9	Bourazeri, Aikaterini; Pitt, Jeremy, Collective awareness for collective action in socio-technical systems, Book Series: International Conference on Self-Adaptive and Self-Organizing Systems, Pages: 90-95, DOI: 10.1109/SASOW.2014.37, WOS:000380468700020	2014		0.556
6			9	Zambonelli, Franco, Engineering self-organizing urban superorganisms, DOI: 10.1016/j.engappai.2014.10.004, WOS: 000353739800028	2014		0.556
7			9	Camarinha-Matos, Luis M.; Goes, Joao; Gomes, Luis, Martins, J., Towards Collective Awareness Systems, Book Series: IFIP Advances in Information and Communication Technology, Volume: 423, Pages: 3-10 DOI: 10.1007/978-3-642-54734-8_1, WOS: 000341133400001			0.556
8			9	C1.6 - Kejariwal, Arun; Lee, Winston; Vallis, Owen, Visual Analytics Framework for Cloud Infrastructure Data, Book Series: IEEE International Conference on Computational Science and Engineering, Pages: 886-893, DOI: 10.1109/CSE.2013.133, WOS:000351950300125			0.556
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11			9	Gagliardi, D., Schina L., Sarcinella ML., Mangialardi, G., Niglia F., Corallo A., Information and communication technologies and public participation: interactive maps and value added for citizens, DOI: 10.1016/j.giq.2016.09.002, WOS: 000398006200017	2016		0.556
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16			9	Lamba, Harjit Singh; Dubey, Sanjay Kumar, Analysis of Requirements for Big Data Adoption to Maximize IT Business Value, WOS: 000381473700069			0.556
17			9	Keogh, Kathleen; Sonenberg, Liz, Designing for Planned Emergence in Multi-agent Systems, 10th Conference Coordination, Organizations, Institutions and Norms in Agent Systems (COIN), Paris, France, May 05, 2014, Book Series: Lecture Notes in Artificial Intelligence, Volume: 9372, Pages: 97-113, WOS: 000380551000007	2014		0.556
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	Irina Ciornei ; Mihaela Albu ; Mihai Sănduleac ; Enrique Rodriguez-Diaz ; Remus Teodorescu ; Josep Guerrero, <i>Adaptive Distributed EMS for Small Clusters of Resilient LVDC Microgrids</i> , 2018 IEEE International Conference on Environment and Electrical Engineering and 2018 IEEE Industrial and Commercial Power Systems Europe (EEEIC / I&CPS Europe), 12-15 June 2018, Palermo, Italy, DOI: 10.1109/EEEIC.2018.8494529, WOS:000450163702143	2018	6	Sahoo, Buddhadeva; Routray, Sangram Keshari; Rout, Pravat Kumar, AC, DC, and hybrid control strategies for smart microgrid application: A review, INTERNATIONAL TRANSACTIONS ON ELECTRICAL ENERGY SYSTEMS, DOI: 10.1002/2050-7038.12683 , WOS:000581616600001	2020	1.692	0.833
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28			3	Siddiqui, Isma Farah; Lee, Scott Uk-Jin; Abbas, Asad, A Novel Knowledge-Based Battery Drain Reducer for Smart Meters, INTELLIGENT AUTOMATION AND SOFT COMPUTING Volume: 26 Issue: 1 Pages: 107-119 Published: MAR 2020, DOI: 10.31209/2019.10000132, WOS:000516553300011	2020	1.276	1.667
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						TOTAL	88.667

3.2. Citări în reviste și volumele conferințelor BDI (se exclud autocitările; lucrări citate: articol de revista, conferința, carte, teza)

Nr. citari	Lucrarea citata: Autori, Titlu lucrare citata, date de identificare lucrare (dupa caz, ca la A1 sau A2), Anul	Anul	Nr. autori ai art. citat	Articolul BDI in care se afla citarea: Autori, Titlu articol BDI, Revista sau Conferinta (BDI in care este indexat articolul; ISSN), Localitate+Tara+Perioada desfasurarii in cazul conferintei, volum(numar) revista/proceedings, pp. NX-NY (pagini articol de la NX pana la NY), Anul	Anul	BDI in care este articolul in care se face citarea	Kpi
1	Lucrarea nr. X1: Jeremy Pitt, Aikaterini Bourazeri, A. Nowak, Magda Roszczynska-Kurasinska, Agnieszka Rychwalska, Inmaculada Rodriguez Santiago, Maite Lopez Sanchez; Monica Florea; Mihai Sănduleac - <i>Transforming Big Data into Collective Awareness</i> , Computer, Volume:46, Issue: 6, Pages: 40-45, June 2013, IEEE Computer Society, Document type: Article, Publisher: IEEE COMPUTER SOC, 10662 LOS VAQUEROS CIRCLE, PO BOX 3014, LOS ALAMITOS, CA 90720-1314 USA, DOI: 10.1109/MC.2013.153, INSPEC Accession Number: 13539194, ISSN 0018-9162, WOS:000320190500015	2013	9	Citarea nr. 1 a lucrării X1 - Panagiotis D. Diamantoulakis, Vasileios M. Kapinas, George K. Karagiannidis, Big Data analytics for Dynamic Energy Management in Smart Grids, ELSEVIER Big Data Research, Journal reference: Big Data Research, vol. 2, no. 3, pp. 94-101, Sep. 2015, DOI: 10.1016/j.bdr.2015.03.003, arXiv:1504.02424, https://arxiv.org/abs/1504.02424, WOS:000366321200002	2015	Elsevier	0.333
2			9	Citarea nr. 2 a lucrării X1 - Nicholas A. James; Arun Kejariwal; David S. Matteson, Leveraging Cloud Data to Mitigate User Experience from "Breaking Bad", Published in: Big Data (Big Data), 2016 IEEE International Conference on, DOI: 10.1109/BigData.2016.7841013	2016	IEEE Xplore	0.333
3			9	Citarea nr. 3 a lucrării X1 - Leighton Evans, Maps as Deep: Reading the Code of Location-Based Social Networks, Published in: IEEE Technology and Society Magazine (Volume: 33, Issue: 1, Spring 2014), Pages: 73-80, DOI: 10.1109/MTS.2014.2301858	2014	IEEE Xplore	0.333
4	Lucrarea nr. X2: Mihai Sănduleac , Mircea Eremia, Lucian Toma, Paul Borza - <i>Integrating the Electrical Vehicles in the Smart Grid through Unbundled Smart Metering and multi-objective Virtual Power Plants</i> , 2011 2nd IEEE PES International Conference and Exhibition on Innovative Smart Grid Technologies (IEEE PES ISGT Europe 2011), Manchester, December 2011, DOI: 10.1109/ISGTEurope.2011.6162786, INSPEC Accession Number: 1257793	2011	4	Harun Turker; Adrian Radu; S. Bacha; D. Frey; J. Richer; P. Lebrusq, Optimal charge control of electric vehicles in parking stations for cost minimization in V2G concept, pp. 945-951, 2014, DOI: 10.1109/ICRERA.2014.7016525	2014	IEEE Xplore	0.750
5			4	Lucian Toma, Bogdan Otomega, Constantin Bulac, Ion Tristiu, "Coordination of distributed generators through the virtual power plant concept", Innovative Smart Grid Technologies (ISGT Europe) 2012 3rd IEEE PES International Conference and Exhibition on, pp. 1-6, 2012, ISSN 2165-4816, DOI: 10.1109/ISGTEurope.2012.6465769	2012	IEEE Xplore	0.750
6			4	Mihaela Albu, Valentin A. Boicea, Aurelian Craciunescu, Lucian Toma, Ana Maria Dumitrescu, "Smart grid topics in the UPB electrical engineering curricula", Power Engineering Conference (UPEC) 2014 49th International Universities, pp. 1-6, 2014, DOI: 10.1109/UPEC.2014.6934601	2014	IEEE Xplore	0.750
7			4	Lucian Toma, Bogdan Otomega, Ion Tristiu, "Market strategy of distributed generation through the virtual power plant concept", Optimization of Electrical and Electronic Equipment (OPTIM) 2012 13th International Conference on, pp. 81-88, 2012, ISSN 1842-0133, DOI: 10.1109/OPTIM.2012.6231838	2012	IEEE Xplore	0.750
8			4	Jeremy Pitt, Ada Diaconescu, Aikaterini Bourazeri, "Democratisation of the SmartGrid and the active participation of prosumers", Industrial Electronics (ISIE) 2017 IEEE 26th International Symposium on, pp. 1707-1714, 2017	2017	IEEE Xplore	0.750
9	Lucrarea nr. X3: Mihai Sănduleac , Lucas Pons, Giampaolo Fiorentino, Rares Pop, Mihaela Albu - <i>The unbundled Smart Meter concept in a synchro-SCADA framework</i> , IEEE I2MTC - 2016 International Instrumentation and Measurement technology Conference, May 23-26, 2016, Taipei, Taiwan, 2016 IEEE INTERNATIONAL INSTRUMENTATION AND MEASUREMENT TECHNOLOGY CONFERENCE PROCEEDINGS, pages: 752-756, Published: 2016, Publisher: IEEE, 345 E 47TH ST, NEW YORK, NY 10017 USA, DOI: 10.1109/I2MTC.2016.7520459, ISBN:978-1-4673-9220-4, WOS:000382523600133	2016	5	Vasco Delgado-Gomes; João F. Martins; Celson Lima; Paul N. Borza, Towards the use of Unbundle Smart Meter for advanced inverters integration, 2017 IEEE 26th International Symposium on Industrial Electronics (ISIE), 19-21 June 2017, DOI: 10.1109/ISIE.2017.8001507	2017	IEEE Xplore	0.600
10			5	Giovanni Artale, Antonio Cataliotti, Valentina Cosentino, Dario Di Cara, Salvatore Guaiana, Salvatore Nuccio, Nicola Panzavecchia, Giovanni Tinè, "Smart Interface Devices for Distributed Generation in Smart Grids: The Case of Islanding", Sensors Journal IEEE, vol. 17, no. 23, pp. 7803-7811, 2017	2017	IEEE Xplore	0.600
11			5	Ana Ruxandra Toma; Mihai Valentin Olteanu; Cristina Mihaela Gheorghe; Ana-Maria Dumitrescu, Electric Energy Consumption Behavior of University Students, 2019 11th International Symposium on Advanced Topics in Electrical Engineering (ATEE), 28-30 March 2019, DOI: 10.1109/ATEE.2019.8724885	2019	IEEE Xplore	0.600

**Kpi = 3/nr
autori ai
art.citat**

12			5	Navonita Sharma; Ajoy Kumar Chakraborty; Abanishwar Chakraborti, Smart meter design with incorporated dynamic control of grid connected three phase inverter, 2017 7th International Conference on Power Systems (ICPS), 21-23 Dec. 2017, DOI: 10.1109/ICPS.2017.8387377	2017	IEEE Xplore	0.600
13			5	Ana-Ruxandra Toma; Mihai Valentin Olteanu; Ana-Maria Dumitrescu, Campus Load Profiles from Enhanced Smart Meter Data, 2019 54th International Universities Power Engineering Conference (UPEC), 3-6 Sept. 2019, DOI: 10.1109/UPEC.2019.8893572	2019	IEEE Xplore	0.600
14	Mihaela M. Albu ; Mihai Sănduleac , Carmen Stănescu, <i>Syncretic Use of Smart Meters for Power Quality Monitoring in Emerging Networks</i> , IEEE Transactions on Smart Grid, WOS:000391724500048	2017	3	Jan Ringelstein, Mohamed Shalaby, Mihai Sanduleac, Lola Alacreu, João Martins, Vasco Delgado-Gomes, "Software-driven active customer interface for DER integration", CIREC - Open Access Proceedings Journal, vol. 2017, no. 1, pp. 2003-2006, 2017, 10.1049/oap-cired.2017.0561	2017	IEEE Xplore	1.000
15			3	Isma Farah Siddiqui, Scott Uk-Jin Lee, Asad Abbas, Ali Kashif Bashir, "Optimizing Lifespan and Energy Consumption by Smart Meters in Green-Cloud-Based Smart Grids", Access IEEE, vol. 5, pp. 20934-20945, 201, DOI: 10.1109/ACCESS.2017.2752242	2017	IEEE Xplore	1.000
16			3	Ana Ruxandra Toma, Cristina Mihaela Gheorghe, Floriana Larisa Neacșu, Ana-Maria Dumitrescu, "Conversion of smart meter data in user-intuitive carbon footprint information", Electrical and Electronics Engineering (ISEEE) 2017 5th International Symposium on, pp. 1-6, 2017	2017	IEEE Xplore	1.000
17			3	Emilio J. Palacios-Garcia, Enrique Rodriguez-Diaz, Amjad Anvari-Moghaddam, Mehdi Savaghebi, Juan C. Vasquez, Josep M. Guerrero, Antonio Moreno-Munoz, "Using smart meters data for energy management operations and power quality monitoring in a microgrid", Industrial Electronics (ISIE) 2017 IEEE 26th International Symposium on, pp. 1725-1731, 2017	2017	IEEE Xplore	1.000
18			3	Rosario Morello, Subhas C. Mukhopadhyay, Zheng Liu, Daniel Slomovitz, Subhansu Ranjan Samantaray, "Advances on Sensing Technologies for Smart Cities and Power Grids: A Review", Sensors Journal IEEE, vol. 17, no. 23, pp. 7596-7610, 2017, DOI: 10.1109/JSEN.2017.2735539, WOS:000415182100002	2017	IEEE Xplore	1.000
19			3	Rosario Morello, Claudio De Capua, Gaetano Fulco, Subhas Chandra Mukhopadhyay, "A Smart Power Meter to Monitor Energy Flow in Smart Grids: The Role of Advanced Sensing and IoT in the Electric Grid of the Future", Sensors Journal IEEE, vol. 17, no. 23, pp. 7828-7837, 2017, 10.1109/JSEN.2017.2760014, WOS:000415182100027	2017	IEEE Xplore	1.000
20			3	Navonita Sharma, Ajoy Kumar Chakraborty, Abanishwar Chakraborti, "Smart meter design with incorporated dynamic control of grid connected three phase inverter", Power Systems (ICPS) 2017 7th International Conference on, pp. 677-683, 2017, DOI: 10.1109/ICPS.2017.8387377	2017	IEEE Xplore	1.000
21			3	Bin Zhou, Da Xu, Ka Wing Chan, Canbing Li, Yijia Cao, Siqi Bu, "A two-stage framework for multiobjective energy management in distribution networks with a high penetration of wind energy", Energy, 2017, WOS:000412043300066	2017	Elsevier	1.000
22			3	N. Shaukat, S.M. Ali, C.A. Mehmood, B. Khan, M. Jawad, U. Farid, Z. Ullah, S.M. Anwar, M. Majid, "A survey on consumers empowerment communication technologies and renewable generation penetration within Smart Grid", Renewable and Sustainable Energy Reviews, 2017, WOS:000417070500104	2017	Elsevier	1.000
23			3	Andrej Jovanov, Jane Lameski, Biljana Risteska Stojkoska, Implementation of Smart Home Solution based on Internet of Things, 27th Telecommunications forum TELFOR 2019, Serbia, Belgrade, November 26-27, 2019, DOI: 10.1109/TELFOR48224.2019.8971294	2019	IEEE Xplore	1.000
24			3	Juan Carlos Bravo, D. Borrás, Francisco Javier Torres García, Development of a smart wavelet-based power quality monitoring system, 2018 International Conference on Smart Energy Systems and Technologies (SEST), DOI: 10.1109/SEST.2018.8495869	2018	IEEE Xplore	1.000
25	Mihai Sanduleac ; Mihaela Albu ; Joao Martins ; Ma Dolores Alacreu ; Carmen Stanescu, Power quality assessment in LV networks using new smart meters design, 2015 9th International Conference on Compatibility and Power Electronics (CPE)	2015	5	Ana Ruxandra Toma, Ana-Maria Dumitrescu, Mihaela Albu, "Impact of measurement set-up on RVC-like event detection", Instrumentation and Measurement Technology Conference Proceedings (I2MTC) 2016 IEEE International, pp. 1-5, 2016	2016	IEEE Xplore	0.600
26			5	Vasco Delgado-Gomes, João F. Martins, Celson Lima, Paul N. Borza, "Towards the use of Unbundle Smart Meter for advanced inverters integration", Industrial Electronics (ISIE) 2017 IEEE 26th International Symposium on, pp. 1721-1724, 2017	2017	IEEE Xplore	0.600
27			5	José Alcalá, Jesús Ureña, Álvaro Hernández, David Gualda, "Event-Based Energy Disaggregation Algorithm for Activity Monitoring From a Single-Point Sensor", Instrumentation and Measurement IEEE Transactions on, vol. 66, DOI: 10.1109/TIM.2017.2700987	2017	IEEE Xplore	0.600
28	Mihai Sanduleac ; Dorel Stanescu ; Carmen Stanescu ; Monica Florea, Energy awareness, an important goal for empowering the end customer, 2017 International Conference on Optimization of Electrical and Electronic Equipment (OPTIM) & 2017 Intl Aegean Conference on Electrical Machines and Power Electronics (ACEMP)	2017	4	Ana Ruxandra Toma, Cristina Mihaela Gheorghe, Floriana Larisa Neacșu, Ana-Maria Dumitrescu, "Conversion of smart meter data in user-intuitive carbon footprint information", Electrical and Electronics Engineering (ISEEE) 2017 5th International Symposium on, pp. 1-6, 2017, DOI: 10.1109/ISEEE.2017.8170644	2017	IEEE Xplore	0.750
29	Mircea Eremia, Lucian Toma, Mihai Sănduleac - The Smart City Concept in the 21st Century, Procedia Engineering, Volume 181, 2017, Pages 12–19, http://www.sciencedirect.com/science/article/pii/S1877705817309402 , DOI: https://doi.org/10.1016/j.proeng.2017.02.357 , WOS:000404612700002	2017	3	Firman Anindra; Suhono H. Supangkat; Raymondus Raumont Kosala, Smart Governance as Smart City Critical Success Factor (Case in 15 Cities in Indonesia), 2018 International Conference on ICT for Smart Society (ICISS), DOI: 10.1109/ICTSS.2018.8549923	2018	IEEE Xplore	1.000

30			3	Mery Blanck José Luis Duarte Ribeiro Michel J.Anzanello, A relational exploratory study of business incubation and smart cities - Findings from Europe, Cities, Volume 88, May 2019, Pages 48-58, WOS:000466455500005	2019	Elsevier	1.000
31			3	M.Guerrieria, M.La Gennusab, G.Perib, G.Rizzob, G.Scaccianoce, University campuses as small-scale models of cities: Quantitative assessment of a low carbon transition path, Renewable and Sustainable Energy Reviews, Volume 113, October 2019, 109263, WOS:000483422600033	2019	Elsevier	1.000
32			3	Sesil Koutra; Vincent Becue; Christos S. Ioakimidis, A Multiscalar Approach for 'Smart City' Planning, 2018 IEEE International Smart Cities Conference (ISC2), 16-19 Sept. 2018, DOI: 10.1109/ISC2.2018.8656889	2018	IEEE Xplore	1.000
33			3	Amina N. Muhammad, Ali M. Aseere, Haruna Chiroma, Habib Shah, Abdulsalam Y. Gital & Ibrahim Abaker Targio Hashem, Deep learning application in smart cities: recent development, taxonomy, challenges and research prospects, Neural Computing and Applications (2020), SpringerLink, https://link.springer.com/article/10.1007/s00521-020-05151-8	2020	SpringerLink	1.000
34			3	Bruno Rossi; Stanislav Chren, Smart Grids Data Analysis: A Systematic Mapping Study, IEEE Transactions on Industrial Informatics (Volume: 16, Issue: 6, June 2020)	2020	IEEE Xplore	1.000
35			3	Adrian-Toni RADU; Mircea EREMI; Lucian TOMA, Optimal charging coordination of electric vehicles considering distributed energy resources, 2019 IEEE Milan PowerTech, 23-27 June 2019, DOI: 10.1109/PTC.2019.8810756	2019	IEEE Xplore	1.000
36	Irina-Ioana Picioaraagă ; Mircea Eremia ; Mihai Sănduleac , <i>SMART CITY: Definition and Evaluation of Key Performance Indicators</i> , 18-19 Oct. 2018, Iasi, Romania, DOI: 10.1109/ICEPE.2018.8559801	2018	3	Muhammad Waqas Nadeem; Muzammil Hussain; Muhammad Adnan Khan; Muhammad Umar Munir; Sobia Mehrban, Fuzzy-Based Model to Evaluate City Centric Parameters for Smart City, 2019 International Conference on Innovative Computing (ICIC), 1-2 Nov. 2019, DOI: 10.1109/ICIC48496.2019.8966728	2019	IEEE Xplore	1.000
37			3	Chiara Boccaletti; Cristina Moscatiello; Mohammad Jubran; Haifa Takruri; Mohammad Abdelati; Jorge Munilla, e-Academy to support Smart Cities Operations in Palestine (eSCO) project: final achievements, 2020 IEEE International Smart Cities Conference (ISC2), 28 Sept.-1 Oct. 2020, DOI: 10.1109/ISC251055.2020.9239079	2020	IEEE Xplore	1.000
TOTAL							30.300

3.2. Prezentari invitate in plenul unor manifestari stiintifice nationale si internationale și Profesor invitat (exclusiv POS, ERASMUS)

Nr. crt	3.2.1. internationale: Date de identificare ale activitatii (punctaj unic pentru fiecare activitate)	Anul sau Perioada	Kpi	Kpi = 20
1				
2				
TOTAL			0	

Nr. crt	3.2.2. nationale: Date de identificare ale activitatii (punctaj unic pentru fiecare activitate)	Perioada	Kpi	Kpi = 5
1	Simpozion Omagial de REȚELE ȘI SISTEME ELECTRICE, In Memoriam Academician prof. ing. MARTIN BERCOVICI, București, 18 ianuarie 2011 - prezentare in plen		5	
TOTAL			5	

3.4. Membru in colectivele de redactie sau comitete stiintifice ale revistelor si manifestarilor stiintifice, Organizator de manifestari stiintifice, Recenzor pentru reviste si manifestari stiintifice nationale si internationale (punctajul se acorda pentru fiecare revista, manifestare stiintifica sau recenzie)

Nr. crt	3.4.1. ISI: Date de identificare ale activitatii (punctajul se acorda pentru fiecare revista,	Anul sau Perioada	Kpi
1	Recenzor MDPI, energies-725486		10
2	Recenzor MDPI, energies-659958		10
3	Recenzor MDPI, electronics-638152		10
4	Recenzor MDPI, energies-613550		10
5	Recenzor MDPI, energies-566985		10
6	Recenzor MDPI, energies-562220		10
7	Recenzor MDPI, energies-546480		10
8	Recenzor MDPI, energies-546155		10
9	Recenzor MDPI, energies-517026		10
10	Recenzor MDPI, energies-514400		10
11	Recenzor MDPI, energies-504875		10
12	Recenzor MDPI, energies-471942		10
13	Recenzor MDPI, energies-454627		10
14	Recenzor MDPI, energies-442021		10
15	Recenzor MDPI, sustainability-434163		10
16	Recenzor MDPI, energies-429258		10
17	Recenzor MDPI, sensors-424012		10
18	Recenzor MDPI, energies-417928		10
19	Recenzor MDPI, energies-413928		10
20	Recenzor MDPI, energies-411399		10
21	Recenzor MDPI, sustainability-398423		10
22	Recenzor MDPI, energies-408182		10
23	Recenzor MDPI, sensors-403401		10
24	Recenzor MDPI, sensors-397863		10
25	Recenzor MDPI, energies-397726		10
26	Recenzor MDPI, sensors-388373		10
27	Recenzor MDPI, computers-375681		10
28	Recenzor MDPI, energies-363915		10
29	Recenzor MDPI, energies-347916		10
30	Recenzor MDPI, sustainability-342796		10

Kpi = 10

31	Recenzor MDPI, energies-346942		10
32	Recenzor MDPI, energies-343537		10
33	Recenzor MDPI, energies-340984		10
34	Recenzor MDPI, energies-339404		10
35	Recenzor MDPI, energies-325585		10
36	Recenzor MDPI, sensors-315615		10
37	Recenzor MDPI, energies-294055		10
38	Recenzor ELSVIER - 2018.02, SPPP 2018		10
39	Recenzor IEEE Transactions on Power Systems, paper TPWRS-00751-2017		10
TOTAL			390

Nr. crt	3.4.2. BDI: Date de identificare ale activitatii (punctajul se acorda pentru fiecare revista,	Anul sau Perioada	Kpi
1	Recenzor pentru articole Optim 2014		6
2	Recenzor pentru articole Optim 2014		6
3	Recenzor pentru articol PowerTech 2017		6
4	Recenzor pentru articol PowerTech 2017		6
5	Recenzor pentru articol PowerTech 2017		6
6	Recenzor pentru articole ICE 2017		6
7	Recenzor pentru articol CIEM: Distributed Synthetic Inertia Control in Power Systems		6
8	Recenzor articole EEEICICPS2018		6
9	Recenzor articole EEEICICPS2018		6
10	Recenzor articole EEEICICPS2018		6
11	Recenzor articole EEEICICPS2018		6
12	Recenzor articole EEEICICPS2018		6
13	Recenzor articole EEEICICPS2018		6
14	Recenzor articole ICE-2018		6
15	Recenzor articole ICE-2018		6
16	Recenzor articole ICE-2018		6
17	Recenzor ARES 2018		6
18	Organizator / moderator panel Nobel Grid la IEEE Medpower 2016, Belgrad		6
19	Organizator / moderator panel "Special Session 1.7 (SS1.7): Trends in Energy Storage for Future Grids", ICE 2017, Madeira, Portugalia		6
20	Moderator sectiune conferinta Melecon 2018, Marakesh		6
21	Chair/moderator sesiune IREC 2018 Tunisia		6
TOTAL			126

Kpi = 6

Nr. crt	3.4.3. nationale si internationale neindexate: Date de identificare ale activitatii (punctajul se acorda pentru fiecare revista, manifestare stiintifica si recenzie)	Anul sau Perioada	Kpi	Kpi = 3
1	Recenzor pentru revista Energetica		3	
2	Recenzor pentru revista Energetica		3	
3	Organizator prezentare proiect Fenix - Centrale Virtuale, Smart Grids, tinut la AOSR, 2009		3	
4	Moderator Masa rotunda organizata IRE - Smart Grids, 2011, Bucuresti		3	
5	Moderator Masa rotunda ETIP-SNET, Nicosia, Cipru, 2017		3	
			TOTAL	15

3.5. Referent in comisii de doctorat

Nr. crt	3.5.1. internationale:	Anul	Kpi	Kpi = 10
1	Denumire doctorand, Titlu teza, Universitatea,			
2				
TOTAL			0	

Nr. crt	3.5.2. nationale:	Anul	Kpi	Kpi = 5
1	Denumire doctorand, Titlu teza, Universitatea, Anul			
1	Membru in Comisia pentru examinarea si sustinerea publica a tezei de doctorat elaborata de studentul-doctorand PICOROAGA Irina-Ioana , decizia nr. 511 din 01.07.2020, titlul tezie: " <i>Îmbunătățirea rezilienței rețelelor urbane de distribuție pe baza strategiilor de insularizare intenționată</i> ", conducător științific: Prof. em. dr. ing. Mircea EREMIA	2020	5	
2	Membru in Comisia pentru examinarea si sustinerea publica a tezei de doctorat elaborata de studentul-doctorand DAMIAN Ioan-Cătălin , decizia nr. 584 din 13.10.2020, titlul tezei: " <i>Supply of Large Cities Using Modular Multilevel High Voltage Direct Current Converters</i> ", conducător științific: Prof. em. dr. ing. Mircea EREMIA	2020	5	
TOTAL			10	

3.6. Premii

Nr. crt	3.6.1. Academia Romana:	Date de identificare, Anul	Anul	Kpi	Kpi = 30
1					
TOTAL				0	

Nr. crt	3.6.2. ASAS, AOSR, academii de ramura și CNCS:	Date de	Anul	Kpi	Kpi = 15
1					
TOTAL				0	

Nr. crt	3.6.3. premii internationale:	Date de identificare, Anul	Anul	Kpi	Kpi = 10
1	IEEE PES, 2011, IEEE-PES Chapter Outstanding Engineer Award, Romanian chapter			10	
TOTAL				10	

Nr. crt	3.6.4. premii nationale in domeniu:	Date de identificare, Anul	Anul	Kpi	Kpi = 5
1					
2					
3					
4					
TOTAL				0	

3.7. Membru in academii, organizatii, asociatii profesionale de prestigiu, nationale si internationale, apartenență la organizatii din domeniul educatiei si cercetarii

Nr. crt	3.7.1. Academia Romana:	Date de identificare, Anul numirii	din anul	Kpi	Kpi = 100
1					
TOTAL				0	

Nr. crt	3.7.2. ASAS, AOSR si academii de ramura:	Date de identificare,	din anul	Kpi	Kpi = 30
1					
TOTAL				0	

Nr. crt	3.7.3.1. Conducere asociatii profesionale internationale:	Date	din anul	Kpi	Kpi = 30
1					
TOTAL				0	

Nr. crt	3.7.3.2. Conducere asociatii profesionale nationale:	Date de	din anul	Kpi	Kpi = 10
1					
TOTAL				0	

Nr. crt	3.7.4.1. Membru asociatii profesionale internationale:	Date de	din anul	Kpi	Kpi = 5
1	IEEE PES		2018	5	
2	IEEE IMS		2018	5	
3	IEEE IAS		2018	5	
4	IEEE IET		2018	5	
5	ETIP-SNET, membru in WG1 - Retele electrice si WG2 - Stocare energie		2019	5	
TOTAL				25	

Nr. crt	3.7.4.2. Membru asociatii profesionale nationale: Date de identificare, Anul numirii	din anul	Kpi	Kpi = 2
1	Comisia de energetica a Academiei	2018	2	
2	CIGRE	2018	2	
3	CNR-CME	2018	2	
		TOTAL	6	

Nr. crt	3.7.5.1. Conducere Consilii si organizatii în domeniul educației și cercetării: Date de identificare, Anul numirii	din anul	Kpi	Kpi = 15
1				
2				
		TOTAL	0	

Nr. crt	3.7.5.2. Membru Consilii si organizatii în domeniul educației și cercetării: Date de identificare, Anul numirii	din anul	Kpi	Kpi = 10
1				
2				
		TOTAL	0	