

Standarde minimale necesare și obligatorii pentru conferirea titlurilor didactice din învățământul superior, a gradelor profesionale de cercetare-dezvoltare, a (conform Ordinului MENCS nr. 6129 din 20 decembrie 2016 privind aprobarea standardelor minimale necesare și obligatorii pentru conferirea titlurilor didactice

Tabel 1

Nr. Crt	Domeniul activităților	Tipul activităților	Categoriile și restricțiile	Subcategoriile	Indicatori (kpi)	Număr	Punctaj
0	1	2	3	4	5	6	7
1	Activitatea didactică și profesională (A1)	1.1 Cărți și capitole în cărți de specialitate	1.1.1 Cărți cu ISBN/capitole ca autor: Profesor univ. minimum 4; Conferențiar	1.1.1.1 internaționale	nr. pagini/ (2*nr. autori)	1	24.06
				1.1.1.2 naționale	nr. pagini/ (5*nr. autori)	4	
			1.1.2 Cărți/capitole de cărți ca editor/coordonator	1.1.2.1 internaționale	nr. pagini/ (3*nr. autori)		
		1.2 Suport didactic	1.2.1 Suport de curs, inclusiv electronic: Profesor univ. minimum 2 din care 1, ca prim autor; Conferențiar univ. minimum 1; CS I și CS II fără restricții		nr. pagini/ (10*nr. autori)	2	97.56
			1.2.2 Îndrumare de laborator/aplicații: Profesor univ. minimum 2, din care minimum 1, ca prim-autor; Conferențiar univ. minimum 1; CS I și CS II fără restricții		nr. pagini/ (20*nr. autori)	4	
	1.3 Coordonare de programe de studii, organizare și coordonare programe de formare continuă și proiecte educaționale (POS, ERASMUS ș.a.)	Punctaj unic pentru fiecare activitate		10	4	40.00	
2	Activitatea de cercetare științifică (A2)	2.1 Articole în extenso în reviste cotate WOS Thomson-Reuters ¹ , în volume proceedings indexate WOS Thomson-Reuters și brevete de invenție indexate WOS-Derwent	2.1.1 Profesor univ. / CS I: minimum 10 articole, din care minimum 4, ca prim autor și minimum 4, în reviste		(25 + 20 * factor impact ²) / nr. de autori	45	272.83
			2.1.2 Conferențiar univ. / CS II: minimum 7 articole, din care minimum 2, ca prim autor și minimum 2, în reviste				
		2.2 Articole în reviste și volumele unor manifestări științifice indexate în alte baze de date internaționale (BDI ³)	2.2.1 Profesor univ. / CS I: minimum 20 articole, din care minimum 5, în reviste		20/nr. de autori	25	35.33
			2.2.2 Conferențiar univ. / CS II: minimum 15 articole, din care minimum 2, în reviste				
		2.3 Brevete de invenție indexate în alte baze de date		2.3.1 internaționale	25/nr. de autori		
				2.3.2 naționale	15/nr. de autori		
		2.4 Granturi/proiecte câștigate prin competiție națională/internațională *	2.4.1 Director/Responsabil proiect partener: minimum 2 pentru	2.4.1.1 internaționale	20*ani de desfășurare	1	274.00
				2.4.1.2 naționale	10*ani de desfășurare	2	
				2.4.2.1 internaționale	4*ani de desfășurare	11	
				2.4.2.2 naționale	2*ani de desfășurare	8	
2.5 Contracte de cercetare/consultanță (valoare echivalentă de minimum 2 000 Euro)	2.5.1 Director/ Responsabil proiect partener		5*ani de desfășurare	1	35.50		
	2.5.2 Membru în echipă		2*ani de desfășurare	14			
3.1 Citări în revistele WOS și volumele conferințelor WOS **	3.1.1 Profesor univ./ CS I: minimum 10 citări		5 / nr. autori ai articolului citat	97	103.56		
	3.1.2 Conferențiar univ./ CS II: minimum 7 citări						
3.2 Citări în revistele BDI și volumele conferințelor BDI **	3.2.1 Profesor univ./ CS I: minimum 20 citări		3 / nr. autori ai articolului citat	42	28.23		
	3.2.2 Conferențiar univ./ CS II: minimum 10 citări						

3	Recunoașterea și impactul activității (A3)	3.3 Prezentări invitate în plenul unor manifestări științifice naționale și internaționale și Profesor invitat (exclusiv)	Punctaj unic pentru fiecare activitate	3.3.1 internaționale	20	1	20.00	
				3.3.2 naționale	5			
		3.4 Membru în colectivele de redacție sau comitete științifice ale revistelor și manifestărilor științifice, organizator de manifestări științifice, recenzor pentru reviste și manifestări științifice naționale și internaționale	Punctaj unic pentru fiecare activitate	3.4.1 WOS	10	3	367.00	
				3.4.2 BDI	6	19		
		3.5 Referent în comisii de doctorat		3.4.3 naționale și internaționale neindexate	3	3	5.00	
				3.5.1 internaționale	10	0		
		3.6 Premii		3.5.2 naționale	5	1	25.00	
				Academia Română	30			
				ASAS, AOSR, academii de ramură și CNCS	15	0		
				Premii internaționale	10	2		
		3.7 Membru în academii, organizații, asociații profesionale de prestigiu, naționale și internaționale, apartenență la organizații din domeniul educației și cercetării științifice		Premii naționale în domeniu	5	1	57.00	
				3.7.1 Academia Română	100			
				3.7.2 ASAS, AOSR și academii de ramură	30			
				3.7.3 Conducere asociații profesionale	internaționale	30		
					naționale	10		
				3.7.4 Asociații profesionale	internaționale	5		3
		naționale	2		1			
3.7.5 Consilii și organizații în domeniul educației și cercetării științifice		internaționale	15					
		naționale	10	4				
TOTAL							1385.07	

¹ Conform situației curente de pe site-ul WOS (Web of Science) THOMSON REUTERS; o revistă cotate WOS este echivalentă cu o revistă cotate ISI, conform Ordinului MECTS Nr. 4478/ 23 iunie 2011, publicat în Monitorul

² Factorul de impact al revistei menționat pe site-ul WOS în anul curent; pentru articolele în proceedings WOS și pentru brevetele indexate WOS-Derwent factorul de impact considerat va fi egal cu 0;

³ Bazele de date internaționale (BDI) luate în considerare pentru articolele publicate în reviste și în volumele unor manifestări științifice, cu excepția articolelor publicate în reviste/proceedings cotate WOS, sunt cele

* Nu se consideră în această categorie proiectele/ granturile de tip POSDRU (POCU), POSCCE (POC), ERASMUS (ERASMUS PLUS), COMENIUS, bursele postdoctorale și alte tipuri de proiecte similare care nu prezintă un

** Autocitățile sunt excluse (se consideră autocitare existența unui autor/coautor comun între lucrarea citată și lucrarea care citează).

	Punctaj realizat
Activitatea didactică și profesională (A1)	161.62
Activitatea de cercetare științifică (A2)	617.66
Recunoașterea și impactul activității (A3)	605.79
TOTAL	1385.07

3. Condiții minimale (A_i, i=1, 2 și 3)

Nr. crt.	Domeniul de activitate	Categorii			
		Condiții conferențiar	Condiții CS II	Condiții profesor	Condiții CS I
1	Activitatea didactică/profesională (A ₁)	Minimum 60 puncte	Minimum 20 puncte	Minimum 120 puncte	Minimum 40 puncte
2	Activitatea de cercetare (A ₂)	Minimum 180 puncte	Minimum 220 puncte	Minimum 360 puncte	Minimum 440 puncte
3	Recunoașterea și impactul activității (A ₃)	Minimum 60 puncte	Minimum 60 puncte	Minimum 120 puncte	Minimum 120 puncte
TOTAL		Minimum 300 puncte	Minimum 300 puncte	Minimum 600 puncte	Minimum 600 puncte

ACTIVITATEA DIDACTICĂ ȘI PROFESIONALĂ (A1)

Standarde minimale necesare și obligatorii pentru conferirea titlurilor didactice din învățământul superior, a gradelor profesionale de cercetare-dezvoltare, (conform Ordinului MENCS nr. 6129 din 20 decembrie 2016 privind aprobarea standardelor minimale necesare și obligatorii pentru conferirea titlurilor didactice

Nr. Crt	Domeniul activităților	Tipul activităților	Categoriile și restricții	Indicatori (kpi)	Număr	Punctaj	
1	Activitatea didactică și profesională (A1)	1.1 Cărți și capitole în cărți de specialitate	1.1.1 Cărți cu ISBN/ capitole de carte, ca autor: Profesor univ. minimum 4; Conferențiar univ./CS I minimum 2	1.1.1.1 internaționale	nr. pagini/ (2*nr. Autori)	1	24.06
			1.1.2 Cărți/ capitole de cărți ca editor/coordonator	1.1.1.2 naționale	nr. pagini/ (5*nr. Autori)	4	
				1.1.2.1 internaționale	nr. pagini/ (3*nr. Autori)		
				1.1.2.2 naționale	nr. pagini/ (7*nr. Autori)		
		1.2 Suport didactic	1.2.1 Suport de curs, inclusiv electronic: Profesor univ. minimum 2 din care 1, ca prim autor; Conferențiar univ. minimum 1; CS I și CS II fără restricții		nr. pagini/ (10*nr. autori)	2	97.56
	1.2.2 Îndrumare de laborator/ aplicații: Profesor univ. minimum 2, din care minimum 1, ca prim-autor; Conferențiar univ. minimum 1; CS I și CS II fără restricții		nr. pagini/ (20*nr. autori)	4			
	1.3 Coordonare de programe de studii, organizare și coordonare programe de formare continuă și proiecte educaționale (POS, ERASMUS ș.a.)	Punctaj unic pentru fiecare activitate		10.000	4	40	
TOTAL A1						161.62	

1.1. Cărți și capitole în cărți de specialitate

Nr.	Autori	Titlu carte / capitol carte	Editura	ISBN	An apariție	Număr pagini	Număr autori	Punctaj
A1.1.1	D. Șteț, A. Ceclan, L Czumbil, Ș. Cîrstea, C. Mureșan, T. Farkas, R. Briscan	Tranziție energetică spre neutralitate climatică. Noțiuni de eficiență energetică	ed. UTPress, Cluj-Napoca, Romania https://biblioteca.utcluj.ro/files/carti-online-cu-coperta/712-5.pdf	978-606-737-712-5	2024	130	7	3.71
A1.1.2	D. Șteț, L. Czumbil, D.D. Micu	Evaluation of Electromagnetic Interferences Affecting Metallic Pipelines, in <i>Pipeline Engineering</i> , Ch. 3, pag. 24	ed. IntechOpen, London, UK https://www.intechopen.com/chapters/85182	978-1-83768-000-9	2022	24	3	4.00
A1.1.3	N.V. Burnete, O.P. Stan, Ș. Cîrstea, D. Șteț	Tendențe și evoluții emergente în universitățile tehnice	UTPRESS, Cluj - Napoca, Romania https://biblioteca.utcluj.ro/files/carti-online-cu-coperta/615-9.pdf	978-606-737-615-9	2022	77	4	3.85
A1.1.4	L. Czumbil, D.D. Micu, D. Șteț, L. Ancăș	Tehnici de Inteligență Artificială pentru Analiza, Modelarea și Predicția Fenomenelor de Interferență Electromagnetică	ed. UTPress, Cluj-Napoca, Romania	978-606-737-563-3	2022	250	4	12.50
A1.1.5	D. Șteț, D.D. Micu, L. Czumbil	Analiza, Modelarea și Predicția Fenomenelor de Interferență Electromagnetică dintre Linile Electrice de Înaltă Tensiune și Structurile Metalice Învecinate. Complemente de Matematici	ed. Mediamira, Cluj-Napoca, Romania	978-973-713-336-6	2016	320	3	21.33
						Total		24.06

1.2 Suport didactic

Nr.	Autori	Titlu curs / îndrumar laborator/ aplicații	Editura/ Atelier multiplicare	Dovadă alternativă (pentru suport didactic în format electronic)	An apariție	Număr pagini	Număr autori	Punctaj
A1.2.1	D. Șteț	Suport de curs pentru disciplina Compatibilitate Electromagnetica (lb romana)	În format electronic	https://users.utcluj.ro/~denisad/assets/list/CE_M.pdf	2011 (cu actualizare în fiecare an universitar)	462	1	46.20

A1.2.2	D. Șteț	Suport de curs pentru disciplina Bazele electrotehnicii (lb engleza)	În format electronic	https://users.utcluj.ro/~denisad/assets/list/BE.pdf	2016 (cu actualizare in fiecare an universitar)	390	1	39.00
A1.2.3	D.D. Micu, L. Dărăbant, D. Șteț, M. Crețu, A. Ceclan, L. Czumbil	Teoria Circuitelor Electrice: Probleme	UT Press Cluj Napoca	ISBN 978-606-737-140-6	2016	281	6	2.34
A1.2.4	D. Șteț, L. Darabant, M. Crețu	Compatibilitate Electromagnetică. Îndrumător de laborator	UT Press Cluj Napoca	ISBN 978-606-737-172-7	2016	122	3	2.03
A1.2.5	L. Darabant, M. Crețu, D. Șteț	Analiza numerică a circuitelor electrice. Îndrumător de laborator	UT Press Cluj Napoca	ISBN 978-606-737-155-0	2016	151	3	2.52
A1.2.6	Dan D. Micu, L. Creț, D. Duma	Teoria circuitelor electrice	UT Press Cluj Napoca	ISBN 973-662-184-7	2005	328	3	5.47
Total								97.56

1.3 Coordonare de programe de studii, organizare și coordonare programe de formare continuă și proiecte educaționale (POS, ERASMUS ș.a.)

Nr.	Autori	Denumire program / proiect	Dovada	Punctaj
A1.3.1	D. Șteț - Director proiect	Empowering Energy Efficiency Awareness through a Holistic Educational Approach (ENERGEIA), Grant	https://entrec.utcluj.ro/energeia/	10.00
A1.3.2	D. Șteț - Responsabil program	Soluții și acțiuni pentru decarbonizarea companiilor - Program postuniversitar de perfecționare, derulat	https://decidfr.utcluj.ro/cursuri/2111	10.00
A1.3.3	D. Șteț - Responsabil program	Audituri pentru tranziție energetică - Program postuniversitar de perfecționare, derulat prin DECIDFR,	https://decidfr.utcluj.ro/cursuri/2105	10.00
A1.3.4	D. Șteț - Director proiect	Educație și consiliere în carieră pentru scăderea ratei de abandon la Facultatea de Inginerie Electrică din	A1.3.3 Acord grant ROSE 39	10.00
Total				40.00

ACTIVITATEA DE CERCETARE ȘTIINȚIFICĂ (A2)

Standarde minimale necesare și obligatorii pentru conferirea titlurilor didactice din învățământul superior, a gradelor profesionale de cercetare-dezvoltare, (conform Ordinului MENCS nr. 6129 din 20 decembrie 2016 privind aprobarea standardelor minimale necesare și obligatorii pentru conferirea titlurilor didactice)

Nr. Crt	Domeniul activitatilor	Tipul activitatilor	Categoriile și restricțiile	Subcategoriile	Indicatori (kpi)	Numar	Punctaj
2	Activitatea de cercetare științifică (A2)	2.1 Articole în extenso în reviste cotate WOS Thomson-Reuters ¹ , în volume proceedings indexate WOS Thomson-Reuters și brevete de invenție indexate WOS-Derwent	2.1.1 Profesor univ. / CS I: minimum 10 articole, din care minimum 4, ca prim autor și minimum 4, în reviste		(25+20*factor impact ²) / nr. de autori	45	272.83
			2.1.2 Conferențiar univ. / CS II: minimum 7 articole, din care minimum 2, ca prim autor și minimum 2, în reviste				
		2.2 Articole în reviste și volumele unor manifestări științifice indexate în alte baze de date internaționale (BDI ³)	2.2.1 Profesor univ. / CS I: minimum 20 articole, din care minimum 5, în reviste		20/nr. de autori	25	35.33
			2.2.2 Conferențiar univ. / CS II: minimum 15 articole, din care minimum 2, în reviste				
		2.3 Brevete de invenție indexate în alte baze de date		2.3.1 internaționale	25/nr. de autori		0.00
				2.3.2 naționale	15/nr. de autori		
2.4 Granturi/proiecte câștigate prin competiție națională/ internațională *	2.4.1 Director/Responsabil proiect partener: minimum 2 pentru	2.4.1.1 internaționale	20*ani de desfășurare	1	274.00		
		2.4.1.2 naționale	10*ani de desfășurare	2			
2.4.2 Membru în echipă	2.4.2.1 internaționale	4*ani de desfășurare	11				
	2.4.2.2 naționale	2*ani de desfășurare	8				
2.5 Contracte de cercetare/consultanță (valoare echivalentă de minimum 2 000 Euro)	2.5.1 Director/ Responsabil proiect partener		5*ani de desfășurare	1	35.50		
		2.5.2 Membru în echipă		2*ani de desfășurare		14	
					TOTAL A2	617.66	

2.1 Articole în extenso în reviste cotate WOS Thomson-Reuters¹, în volume proceedings indexate WOS Thomson-Reuters și brevete de invenție indexate WOS-Derwent

Nr.	Autori	Titlu lucrare, revistă / volum proceedings/ brevet, pagini	Factor de impact	Nr. Autori	Punctaj
A2.1.1	I.A. Iancu, P. Hendrikk, D.D. Micu, D. Șteț , L. Czumbil, Ș.D. Cîrstea	"The Influence of Cultural Factors on Choosing Low-Emission Passenger Cars", Sustainability, ISSN: 2071-1050, vol. 15, no. 8, art. no. 6848, 2023. Doi: 10.3390/su15086848, WOS:000984041500001	3.300	6	15.17
A2.1.2	C. Mureșan, L. Dărăbant, D. Șteț , L. Czumbil, A. Ceclan, T. Farkas, A. Polycarpou, D.D. Micu	"The Impact Assessment of an Energy Efficiency Focused Course Implementation in Electrical Engineering Undergraduate Students Curricula", 57th International Universities Power Engineering Conference (UPEC), ISBN: 978-1-6654-5505-3, Istanbul, Turkey, August 30 – September 02, 2022. DOI: 10.1109/UPEC55022.2022.9917924 WOS:000886926200095	0.000	8	3.13
A2.1.3	T. Farkas, P. Ungureșan, M. Crețu, D. Șteț , L. Czumbil, A. Ceclan, C. Mureșan, A. Polycarpou, D.D. Micu	"Hybrid Energy System Analysis for a Swimming Pool Complex using HOMER Pro", 57th International Universities Power Engineering Conference (UPEC), ISBN: 978-1-6654-5505-3, Istanbul, Turkey, August 30 – September 02, 2022. DOI: 10.1109/UPEC55022.2022.9917941 WOS:000886926200101	0.000	8	3.13
A2.1.4	M. Crețu, L. Dărăbant, L. Czumbil, A. Ceclan, D. Șteț , D.D. Micu	"Demonstration Scenarios for Renewable Energy Technologies Integration in Different Pilots' Sites within the RE-COGNITION Project", 12th International Symposium on Advanced Topics in Electrical Engineering (ATEE), ISBN: 978-1-6654-1878-2, Bucharest, Romania, March 25-27, 2021. DOI: 10.1109/ATEE52255.2021.9425338 WOS:000676164800164	0.000	6	4.17
A2.1.5	T. Farkas, L. Czumbil, M. Crețu, L. Dărăbant, D. Șteț , A. Ceclan, A. Polycarpou, D.D. Micu	"Assessment of the Romanian Pilot Site Energy Consumption Indicators and Technical Prerequisites in the Implementation of the RE-COGNITION Horizon Project", 9th International Conference on Modern Power Systems (MPS), ISBN: 978-1-6654-3382-2, Cluj-Napoca, Romania, June 16-17, 2021. DOI: 10.1109/MPS52805.2021.9492686 WOS:000941563300087	0.000	8	3.13

A2.1.6	C.M. Mureșan, D. Șteț , Ș. Cirstea, L. Czumbil	"Integrated Approach in Designing Photovoltaic Power Plant", 9th International Conference on Modern Power Systems (MPS), ISBN: 978-1-6654-3382-2, Cluj-Napoca, Romania, June 16-17, 2021. DOI: 10.1109/MPSS52805.2021.9492703 WOS:000941563300100	0.000	4	6.25
A2.1.7	D. Șteț , L. Czumbil, A. Ceclan, Ș. Cirstea, A. Mureșan, D. Jurj, C. Mureșan, T. Farkas, L. Dărăbant, M. Crețu, D.D. Micu, G.K. Papagiannis	"Educational and Training Program to Increase SME's Energy Efficiency Skills", 56th International Universities Power Engineering Conference (UPEC), ISBN: 978-1-6654-4389-0, Middlesbrough, UK, August 31-September 3, 2021. DOI: 10.1109/UPEC50034.2021.9548263 WOS: 000723608400112	0.000	12	2.08
A2.1.8	M. Crețu, A. Ceclan, L. Czumbil, D. Șteț , B. Bărgăuan, D.D. Micu	"Key Performance Indicators (KPIs) for the Evaluation of the Demand Response in the Technical University of Cluj-Napoca Buildings", 8th International Conference on Modern Power Systems (MPS), ISBN: 978-1-7281-0750-9, Cluj-Napoca, Romania, May 21-23, 2019. DOI: 10.1109/MPSS.2019.8759794 WOS:000612401900138	0.000	6	4.17
A2.1.9	Ș.F. Braicu, L. Czumbil, D. Șteț , D.D. Micu, A. Ceclan, A. Mureșan, A. Polycarpou, E. Simion	"Interferences in High Voltage AC Power Line and Electric Railway Common Right-of-Way", 8th International Conference on Modern Power Systems (MPS), ISBN: 978-1-7281-0750-9, Cluj-Napoca, Romania, May 21-23, 2019. DOI: 10.1109/MPSS.2019.8759770 WOS:000612401900115	0.000	8	3.13
A2.1.10	M. Crețu, L. Czumbil, B. Bărgăuan, D. Șteț , A. Ceclan, A. Polycarpou, R. Rizzo, D.D. Micu	"Modeling and Forecasting Energy Demand in TUCN Buildings", International Conference on Clean Electrical Power (ICCEP), ISBN: 978-1-7281-1356-2, Otranto, Italy, July 2-4, 2019. DOI: 10.1109/ICCEP.2019.8890113 WOS:000620331100038	0.000	8	3.13
A2.1.11	D. Șteț , L. Czumbil, D.D. Micu, A. Polycarpou, A. Ceclan, M. Crețu	"Power Factor Correction using EMTP-RV for Engineering Education", 54th International Universities Power Engineering Conference (UPEC), ISBN: 978-1-7281-3349-2, Bucharest, Romania, September 3-6, 2019. DOI: 10.1109/UPEC.2019.8893477 WOS:000619338200021	0.000	6	4.17
A2.1.12	B. Bărgăuan, M. Crețu, O. Fati, A. Ceclan, L. Dărăbant, D.D. Micu, D. Șteț , L. Czumbil	"Energy Management System for the Demand Response in TUCN Buildings", 53rd International Universities Power Engineering Conference (UPEC), ISBN: 978-1-5386-2910-9, Glasgow, UK, September 4-7, 2018. DOI: 10.1109/UPEC.2018.8541949 WOS:000468972100095	0.000	8	3.13
A2.1.13	L. Czumbil, D. Șteț , A. Ceclan, L. Dărăbant, M. Crețu, D.D. Micu	"Numerical Stability Studies for AC and DC Electrical Circuits", 53rd International Universities Power Engineering Conference (UPEC), ISBN: 978-1-5386-2910-9, Glasgow, UK, September 4-7, 2018. DOI: 10.1109/UPEC.2018.8541993 WOS:000468972100126	0.000	6	4.17
A2.1.14	L. Czumbil, Ș.F. Braicu, D.D. Micu, D. Șteț , A. Ceclan	"Analysis of Load Flow and Short-Circuit Issues in a Retrofitted 110/20 kV Romanian Substation", 14th International Conference on Engineering of Modern Electric Systems (EMES), ISBN: 978-1-5090-6073-3, Oradea, Romania, June 1-2, 2017. DOI: 10.1109/EMES.2017.7980371 WOS:000427085200004	0.000	5	5.00
A2.1.15	Ș.F. Braicu, L. Czumbil, D.D. Micu, D. Șteț , A. Ceclan, E. Simion, H. Nouri	"Load Flow Analysis in a 110/20 kV Romanian Substation", 7th International Conference on Modern Power Systems (MPS), ISBN: 978-1-5090-6565-3, Cluj-Napoca, Romania, June 6-9, 2017. DOI: 10.1109/MPSS.2017.7974421 WOS:000428462600049	0.000	7	3.57
A2.1.16	O.D. Micu, D. Șteț , D. D. Micu	Synthesis method validation for electric image charges determination, 2017 14TH INTERNATIONAL CONFERENCE ON ENGINEERING OF MODERN ELECTRIC SYSTEMS (EMES) Page91-94, 2017, ISBN 978-153862910-9, DOI 10.1109/UPEC.2018.8541949, WOS:000427085200022	0.000	3	8.33
A2.1.17	A. Ceclan, D.D. Micu, D. Șteț , L. Czumbil, P. Mureșan, B. Bărgăuan, D. Dranca, H. Pop	"Urban Energy Management - Cluj-Napoca Approach", 7th International Conference on Modern Power Systems (MPS), ISBN:978-1-5090-6565-3, Cluj-Napoca, Romania, June 6-9, 2017. DOI: 10.1109/MPSS.2017.7974432 WOS:000428462600060	0.000	8	3.13
A2.1.18	D.O. Micu, D. Șteț	"Computation of Conductive Cylinder Image Charges Using Synthesis Method" 2017, 7TH INTERNATIONAL CONFERENCE ON MODERN POWER SYSTEMS (MPS), WOS:000428462600037	0.000	2	12.50
A2.1.19	D. Șteț , L. Czumbil, A. Ceclan, L. Dărăbant, D.D. Micu	"Implementing nZEB Skills in Romanian High Education Curricula", 7th International Conference on Modern Power Systems (MPS), ISBN:978-1-5090-6565-3, Cluj-Napoca, Romania, June 6-9, 2017. DOI: 10.1109/MPSS.2017.7974457 WOS:000428462600085	0.000	5	5.00
A2.1.20	B. Bărgăuan, O. Fati, A. Ceclan, D.D. Micu, D. Șteț , L. Czumbil, P. Mureșan	"Demand Response on Blocks of Buildings – Romanian Pilot Site Innovation Project", 7th International Conference on Modern Power Systems (MPS), ISBN:978-1-5090-6565-3, Cluj-Napoca, Romania, June 6-9, 2017. DOI: 10.1109/MPSS.2017.7974433 WOS:000428462600061	0.000	7	3.57
A2.1.21	L. Czumbil, D.D. Micu, D. Șteț , A. Ceclan	"A Neural Network approach for the Inductive Coupling between Overhead Power Lines and nearby Metallic Pipelines", International Symposium on Fundamentals of Electrical Engineering (ISFEE), ISBN: 978-1-4673-9575-5, Bucharest, Romania, June 30 – July 02, 2016. DOI: 10.1109/ISFEE.2016.7803231 WOS:000392434400083	0.000	4	6.25
A2.1.22	D.D. Micu, Ș.F. Braicu, L. Czumbil, D. Șteț	"Load Flow and Short-Circuit Analysis in a Romanian 110/20 kV Retrofitted Substation", 51st International Universities Power Engineering Conference (UPEC), ISBN: 978-1-5090-4650-8, Coimbra, Portugal, September 06-09, 2016. DOI: 10.1109/UPEC.2016.8114111 WOS:00046689400135	0.000	4	6.25
A2.1.23	D.D. Micu, B. Bărgăuan, A. Ceclan, D. Șteț , L. Czumbil, A. Căținean, A. Polycarpou	"On a Demand Response Pilot Demonstration in the Technical University of Cluj-Napoca", 9th International Conference and Exposition on Electrical and Power Engineering (EPE), ISBN: 978-1-5090-6128-0, pp. 785-791, Iași, Romania, October 20-22, 2016. DOI: 10.1109/ICEPE.2016.7781445 WOS:000390706300155	0.000	7	3.57

A2.1.24	Ș.F. Braicu, L. Czumbil, D. Șteț , D.D. Micu	"Evaluation of the Electric and Magnetic Field Near High Voltage Power Lines", IFMBE Proceedings, ISSN: 1680-0737, vol. 59, pp. 141-146, 2017, presented at 5th International Conference on Advancements of Medicine and Health Care through Technology (MEDITECH), Cluj-Napoca, Romania, October 12-15, 2016. Doi: 10.1007/978-3-319-52875-5_32 WOS:000426009100032	0.000	4	6.25
A2.1.25	L. Czumbil, D.D. Micu, C. Munteanu, D. Șteț	"Optimization of Pipeline-Overhead Line Right-of-Way using Genetic Algorithms", 9th International Symposium on Advanced Topics in Electrical Engineering (ATEE), ISBN:978-1-4799-7514-3, pp. 531-534, Bucharest, Romania, May 07-09, 2015. Doi: 10.1109/ATEE.2015.7133865 WOS:000368159800100	0.000	4	6.25
A2.1.26	L. Czumbil, D.D. Micu, C. Munteanu, D. Șteț , B. Tomoiogă	"Optimal Design of the Pipeline Right-of-Way Nearby High Voltage Transmission Lines using Genetic Algorithms", 50th International Universities Power Engineering Conference (UPEC), ISBN: 978-1-4673-9682-0, Stoke on Trent, UK, September 01-04, 2015. Doi: 10.1109/UPEC.2015.7339841 WOS:000377369500082	0.000	5	5.00
A2.1.27	T. Micu, D.O. Micu, D. Șteț	A geometrical method for conducting spheres in electrostatic field, Revue Roumaine des Sciences Techniques Serie Electrotechnique et Energetique Volume 60, Issue 4, Pages 345 - 354 October-December 2015, 84959866029, WOS:000365935800000	1.000	3	15.00
A2.1.28	D. Șteț , D.O. Micu, A. Ceclan, L. Czumbil, M. Munteanu, M. Crețu, A. Nicu	"Numerical Modelling of a Wind Farm Located in the South Area of Romania through Equivalent Electrical Circuits", 49th International Universities Power Engineering Conference (UPEC), ISBN: 978-1-4799-6556-4, Cluj-Napoca, Romania, September 02-05, 2014. Doi: 10.1109/UPEC.2014.6934634 WOS:000364087800040	0.000	7	3.57
A2.1.29	L. Czumbil, D. Șteț , D.D. Micu, Ș.F. Braicu, B. Manea, S. Spinean	"Analysis of Induced Electromagnetic Perturbations in Electrical and Telecommunication Cables due to Lightning Currents", 49th International Universities Power Engineering Conference (UPEC), ISBN: 978-1-4799-6556-4, Cluj-Napoca, Romania, September 02-05, 2014. Doi: 10.1109/UPEC.2014.6934633 WOS:000364087800039	0.000	6	4.17
A2.1.30	D. Șteț , D.D. Micu, L. Czumbil, B. Manea	"Case Studies on Electromagnetic Interference between HVPL and Buried Pipelines", International Conference and Exposition on Electrical and Power Engineering (EPE), ISBN: 978-1-4799-5849-8, pp. 231-236, Iași, Romania, October 16-18, 2014. Doi: 10.1109/ICEPE.2014.6969903 WOS:000353565300038	0.000	4	6.25
A2.1.31	T. Micu, D.O. Micu, D. Șteț	A geometrical method for finding the image charges for two orthogonally conducting spheres", International Symposium on Fundamentals of Electrical Engineering, ISFEE 2014, București, Romania, 2014, SBN: 978-147996821-3, DOI: 10.1109/ISFEE.2014.7050593, WOS:000380570500061	0.000	3	8.33
A2.1.32	D. Șteț , L. Czumbil, L. Ancăș	"Investigation of Electromagnetic Interferences Issues", 8th International Symposium on Advanced Topics in Electrical Engineering (ATEE), ISBN: 978-1-4673-5979-5, Bucharest, Romania, May 23-25, 2013. Doi: 10.1109/ATEE.2013.6563457 WOS:00032928500111	0.000	3	8.33
A2.1.33	L. Czumbil, D.D. Micu, D. Șteț , G.C. Christoforidis, L. Ancăș	"HVPL Conductor Sag Influence on Induced Voltage Evaluation in Nearby Metallic Structures", 48th International Universities' Power Engineering Conference (UPEC), ISBN: 978-1-4799-3254-2, Dublin, Ireland, September 02-05, 2013. Doi: 10.1109/UPEC.2013.6714945 WOS:000333750100093	0.000	5	5.00
A2.1.34	D. Șteț , L. Czumbil, D.D. Micu, O. Miron	"Corrosion Evaluation and Mitigation on Metallic Pipelines", International Conference and Exposition on Electrical and Power Engineering (EPE), ISBN: 978-1-4673-1173-1, pp. 554-559, Iași, Romania, October 25-27, 2012. Doi: 10.1109/ICEPE.2012.6463875 WOS:000324685300097	0.000	4	6.25
A2.1.35	D. Șteț , D.D. Micu, L. Czumbil, L. Dărăbant, A. Ceclan	"Simulation of Interferences between Power Lines and Gas Pipelines in Unbalanced Phase Currents State", COMPEL: The International Journal for Computation and Mathematics in Electrical and Electronic Engineering, ISSN: 0332-1649, vol. 31, no. 4, pp.1718-1189, 2012. Doi: 10.1108/03321641211227447 WOS:000308896700014	1.000	5	9.00
A2.1.36	L. Darabant, M. Crețu; R. Ciupa, D.D. Micu, D. Șteț	"Assessment of the electric field induced in the human tissue during magnetic stimulation of the spinal cord". COMPEL: The International Journal for Computation and Mathematics in Electrical and Electronic Engineering, ISSN: 0332-1649, vol. 31, no. 4, pp.1133-1143, 2012. Doi: https://doi.org/10.1108/03321641211227410	1.000	5	9.00
A2.1.37	D.D. Micu, L. Czumbil, G.C. Christoforidis, A. Ceclan, D. Șteț	"Evaluation of Induced AC Voltages in Underground Metallic Pipeline", COMPEL: The International Journal for Computation and Mathematics in Electrical and Electronic Engineering, ISSN: 0332-1649, vol. 31, no. 4, pp.1133-1143, 2012. Doi: 10.1108/0332164121122737, WOS:000308896700009	1.000	5	9.00
A2.1.38	R. Creț, L. Darabant, D. D. Micu, M. Plesa, A. Turcu, D. Șteț	"Study of the factors that influence the effective permittivity of the dielectric mixtures", in REVUE ROUMAINE DES SCIENCES TECHNIQUES-SERIE ELECTROTECHNIQUE ET ENERGETIQUE, vol. 56, no. 1, pp. 69-78, 2011, WOS:000289219900007, IF = 1	1.000	6	7.50
A2.1.39	D. Șteț , D. D. Micu, C. Avram, L. Darabant	"Combined methods for solving inductive coupling problems", <i>Advanced Topics in Electrical Engineering (ATEE)</i> , 12-14 May 2011, Bucharest, Romania, Print ISBN: 978-1-4577-0507-6, WOS:000310701200115	0.000	4	6.25
A2.1.40	L. Darabant, M. Plesa, D. D. Micu, D. Șteț , R. Ciupa, A. Darabant	"Energy Efficient Coils for Magnetic Stimulation of Peripheral Nerves", in IEEE TRANSACTIONS ON MAGNETICS, vol. 45, no. 3, pp. 1690-1693, 2009, Print ISSN: 0018-9464, DOI:10.1109/TMAG.2009.2012783, WOS:000264019000186, IF = 2,1	2.100	6	11.17

A2.1.41	D. D. Micu, A. Ceclan, L. Darabant, D. Șteț	"Analytical and Numerical Development of the Electromagnetic Interference Between a High-Voltage Power Line and a Metallic Underground Pipeline", in 2009 8TH INTERNATIONAL SYMPOSIUM ON ADVANCED ELECTROMECHANICAL MOTION SYSTEMS (ELECTROMOTION 2009), pp. 416-421, 2009 DOI: 10.1109/ELECTROMOTION.2009.5259090, WOS:000278587400072	0.000	4	6.25
A2.1.42	D.D. Micu, L. Czumbil, A. Ceclan, L. Dărăbant, D. Șteț , G.C. Christoforidis	"Electromagnetic Interferences Between HV Power Lines and Metallic Pipelines Evaluated with Neural Network Technique", 10th International Conference on Electrical Power Quality and Utilisation (EPQU), ISBN: 978-1-4244-5171-5, Lodz, Poland, September 15-17, 2009. Doi: 10.1109/EPQU.2009.5318842 WOS:000274778700024	0.000	6	4.17
A2.1.43	D. D. Micu, A. Ceclan, L. Darabant, D. Șteț	"Inductive and conductive interference problems for practical cases solved with special interpolation algorithms", in PROCEEDINGS OF THE 43RD INTERNATIONAL UNIVERSITIES POWER ENGINEERING CONFERENCE, VOLS 1-3, pp. 1051-1054, 2008, DOI: 10.1109/UPEC.2008.4651636 WOS:000263146900207	0.000	4	6.25
A2.1.44	L. Creț, M. Plesa, D. Șteț , R. Ciupa	"Magnetic Coils Design for Localized Stimulation", IFMBE Proceedings, ISSN: 1680-0737, presented in 11TH MEDITERRANEAN CONFERENCE ON MEDICAL AND BIOLOGICAL ENGINEERING AND COMPUTING 2007, VOLS 1 AND 2, vol. 16, no. 1-2, pp. 665-668, 2007, WOS:000261088900173	0.000	4	6.25
A2.1.45	É. Simion, V. Topa, C. Munteanu, M. Purcar, D. Lohan & D. Duma	Analysis of electromagnetic interferences phenomena on printed circuit board, Revue Roumaine des Sciences Techniques Serie Electrotechnique et Energetique, 2004, VOL 49; Part 4, pages 561-570, ISBN 0035-4066, IF 2023 = 1	1.000	6	7.50
				Total	272.83

2.2 Articole în reviste și volumele unor manifestări științifice indexate în alte baze de date internaționale (BDI³)

Nr.	Autori	Titlu lucrare, revistă/ volum manifestare științifică, pagini	Baza de date	Nr. Autori	Punctaj
A2.2.1	I.A. Iancu, P. Hendrick, D.D. Micu, D. Șteț , L. Czumbil, Ș.D. Cîrstea	"Decreasing CO2 Emissions from Energy Generation and Consumption to Achieve the Green Deal Targets", 2nd International Conference on Energy Transition in the Mediterranean Area (SyNERGY MED), ISBN: 978-1-6654-6107-8, Thessaloniki, Greece, October 17-19, 2022. DOI: 10.1109/SyNERGYMED55767.2022.9941446	Scopus	6	3.33
A2.2.2	T. Farkas, C.M. Mureșan, D. Șteț , L. Czumbil, A. Ceclan, D.D. Micu	"The Impact of an Energy Efficiency Action Plan for an Energy-Intensive SME in Romania – A Case Study", 2nd International Conference on Energy Transition in the Mediterranean Area (SyNERGY MED), ISBN: 978-1-6654-6107-8, Thessaloniki, Greece, October 17-19, 2022. DOI: 10.1109/SyNERGYMED55767.2022.9941445	Scopus	6	3.33
A2.2.3	C.M. Mureșan, T. Farkas, D. Șteț , L. Czumbil, Ș. Cîrstea, A. Turcu, A. Polycarpou, D.D. Micu	"Assessment of the targeted energy saving potential through an energy efficiency action plan adapted to the specific needs of a SME in Romania", 13th Mediterranean Conference on Power Generation, Transmission, Distribution and Energy Conversion (MEDPOWER), ISBN: 978-1-83953-844-5, Valletta, Malta, November 07-09, 2022. DOI: 10.1049/icp.2023.0027	Scopus	8	2.50
A2.2.4	L. Darabant, D. Șteț , M. Crețu, G. Cosovici	"ORCAD implementation of a frequency response function using equivalent circuits", 10th International Symposium on Advanced Topics in Electrical Engineering (ATEE) 23-25 March 2017, Pages 103 - 106, Electronic ISBN:978-1-5090-5160-1. DOI 10.1109/ATEE.2017.7905165	Scopus	4	5.00
A2.2.5	D. Șteț , L. Czumbil, D.D. Micu, G. Seritan	"Effects of Lighting Strikes on Power Lines to Nearby Metallic Structures", Proceedings of The 10th International Conference On Electromechanical And Power Systems (SIELMEN), Chisinau, Rep. Moldova, 6-8 Sept 2015, ISBN 978-606-567-284-0	EBSCO	4	5.00
A2.2.6	L. Czumbil, D.D. Micu, D. Șteț , A. Ceclan	"Inductive Coupling between Overhead Power Lines and nearby Metallic Pipelines. A Neural Network Approach", Carpathian Journal of Electrical Engineering (CJEE), ISSN: 1843-7583, vol. 9, no. 1, pp. 29-44, 2015.	EBSCO	4	5.00
A2.2.7	D. Șteț , D.D. Micu, L. Czumbil, E. Simion	"Numerical Evaluation of Self and Mutual Earth Return Impedances", Carpathian Journal of Electrical Engineering (CJEE), ISSN: 1843-7583, vol. 8, no. 1, pp. 13-25, 2014.	EBSCO	4	5.00
A2.2.8	L. Czumbil, D.D. Micu, D. Șteț , A. Ceclan	"Investigation into Tower Model Effect of Fast-Front Overvoltages in Transmission Lines", Acta Electrotehnica, ISSN: 1841-3323, vol. 56, no. 1-2, pp. 9-14, 2014	EBSCO	4	5.00
A2.2.9	L. Czumbil, A. Ceclan, D.D. Micu, D. Șteț , M. Erchedi, S. Hanc, C. Martineac, I. Radu, & A. Demean	"On Some Mitigation Solutions for an Electromagnetic Interference Problem Analysis in Underground Cables", Acta Electrotehnica, ISSN: 1841-3323, vol. 54, no. 5, Special Issue: Proceedings of the 5th International Conference on Modern Power Systems (MPS), pp. 120-125, Cluj-Napoca, Romania, May 28-31, 2013	IEEE Xplore	9	2.22
A2.2.10	D. Șteț , L. Czumbil, M. Erchedi, S. Hanc & L. Ancăș	"Electromagnetic Interference Issues in Case of Metallic Structures", Acta Electrotehnica, ISSN: 1841-3323, vol. 54, no. 5, Special Issue: Proceedings of the 5th International Conference on Modern Power Systems (MPS), pp. 470-473, Cluj-Napoca, Romania, May 28-31, 2013	IEEE Xplore	5	4.00
A2.2.11	D. Șteț , L. Czumbil, D.D. Micu, V. Topa, L. Ancăș	"Stream Gas Pipeline in Proximity of High Voltage Power Lines. Part I - Soil Resistivity Evaluation", 47th International Universities' Power Engineering Conference (UPEC), ISBN: 978-1-4673-2854-8, London, UK, September 04-07, 2012. Doi: 10.1109/UPEC.2012.6398445	Scopus	5	4.00

A2.2.12	L. Czumbil, D. Şteţ , D.D. Micu, V. Ţopa, L. Ancăş	"Stream Gas Pipeline in Proximity of High Voltage Power Lines. Part II - Induced Voltage Evaluation", 47th International Universities' Conference on Power Energy (UPEC), ISBN: 978-1-4673-2854-8, London, UK, September 04-07, 2012 . Doi: 10.1109/UPEC.2012.6398444	IEEE Xplore	5	4.00
A2.2.13	L. Czumbil, D. Şteţ , D.D. Micu, V. Ţopa, L. Ancăş	"Induced Voltage and Current Computation for Different HVPL Operating Conditions", International Symposium on Electromagnetic Compatibility (EMC Europe), ISBN: 978-1-4673-0718-5, Rome, Italy, September 17-21, 2012 . Doi: 10.1109/EMCEurope.2012.6396842	IEEE Xplore	5	4.00
A2.2.14	D.D. Micu, L. Czumbil, G.C. Christoforidis, D. Şteţ	„Software Application to Evaluate Inductive and Capacitive Couplings”, Buletinul AGIR, ISSN: 2247-3548, vol. XVII, no. 3, Special Issue: World Energy Systems. Towards Sustainable and Integrated Energy Systems, pp. 117-122, Suceava, Romania, June 2012 .	EBSCO	4	5.00
A2.2.15	D. Şteţ , D.D. Micu, L. Czumbil & L. Ancăş	„Effects of Power Line Conditions on Nearby Gas Pipelines”, Buletinul AGIR, ISSN: 2247-3548, vol. XVII, no. 3, Special Issue: World Energy Systems. Towards Sustainable and Integrated Energy Systems, pp. 731-736., Suceava, Romania, June 28-30, 2012	EBSCO	4	5.00
A2.2.16	L. Czumbil, D.D. Micu, G.C. Christoforidis, A. Ceclan, D. Şteţ	„Hybrid Method for Induced AC Voltages Determination”, Acta Electrotechnica, ISSN: 1841-3323, vol. 52, no. 5, Special Issue: Proceedings of the 5th International Conference on Modern Power Systems, (MPS), pp. 116-120, Cluj-Napoca, Romania, May 17-20, 2011	EBSCO	5	4.00
A2.2.17	L. Czumbil, G.C. Christoforidis, D.D. Micu, D. Şteţ , A. Ceclan, O. Pop	"A User-Friendly Software Application for Induced A.C. Interference Evaluation", 46th International Universities' Power Engineering Conference (UPEC), ISBN: 978-3-8007-3402-3, Soest, Germany, September 05-08, 2011 .	IEEE Xplore	6	3.33
A2.2.18	D.D. Micu, L. Czumbil, A. Ceclan, A. Mutu, D. Şteţ	"Layer Recurrent Neural Network Solution for an Electromagnetic Interference Problem", 14th Biennial IEEE Conference on Electromagnetic Field Computation (CEFC), ISBN: 978-1-4244-7059-4, Chicago, USA, May 9-12, 2010 . Doi: 10.1109/CEFC.2010.5481648	Scopus	5	4.00
A2.2.19	L. Czumbil, D.D. Micu, A. Ceclan, D. Şteţ , D.O. Micu	"Fuzzy Logic - Genetic Algorithm Method to Evaluate the Magnetic Vector Potential", 12th WSEAS International Conference on Mathematical Methods and Computational Techniques in Electrical Engineering (MMACTEE), pp. 128-133, Timișoara, Romania, October 21-23, 2010 .	Scopus	5	4.00
A2.2.20	D.D. Micu, L. Czumbil, A. Ceclan, E. Simion, D. Şteţ , L. Cîmpan	"Neural Network Evaluation of Electromagnetic Interference between HV Power Lines and underground Metallic Pipelines", Journal of Electrical and Electronics Engineering, ISSN: 1844-6035, vol. 2, no. 1, pp. 73-78, 2009 .	Scopus	6	3.33
A2.2.21	D. Şteţ , D.D. Micu, A. Ceclan, L. Darabant, M. Pleşa	"The study of the electromagnetic interferences between HV lines and metallic pipelines using a professional analysis software", Acta Electrotechnica, ISBN 1841-3323, pag. 333-337, 2008	EBSCO	5	4.00
A2.2.22	F. Szombatfalvi-Torok, E. Simion, A. Ceclan, D.D. Micu, D. Şteţ , L. Czumbil	„On Some Measurements of Energy Quality in The National Electrical Power Grid - Part II”, Buletinul Institutului Politehnic din Iasi Sectia: Electrotehnica, Energetica, Electronica, ISSN: 1223-8139, vol. LIV, no. 5, pp. 199-205, 2008 .	Index Copernicus	6	3.33
A2.2.23	D. Duma , C. Munteanu, D.D. Micu	"Finite-Difference Time-Domain Method used in Transient Analysis of Wave Processes", in The International Conference on Scientific Computing in Electrical Engineering (SCEE 2006), Romania, no. 978-973-718-520-4, pp. 144-146-2006.	EBSCO	3	6.67
A2.2.24	D.D. Micu, E. Simion, D. Micu, A. Ceclan, L. Creţ, D. Duma	"Numerical algorithm for the accurate evaluation of the induced voltages in a pipeline", 6th International Conference on Computational Electromagnetics, Aachen, Germany, April 4-6, 2006 , pp. 230-232, ISBN 978-3-8007-2957-9, ISBN (Compel) 3-8007-2957-1. Print ISBN: 978-3-8007-2957-1	EBSCO	6	3.33
A2.2.25	D.D. Micu, A. Ceclan, E. Simion, L. Creţ, D. Duma , L. Man	"Numerical methods Applied in electrotechnical applications, in The 5th International Conference on Electromechanical and Power Systems", (SIELMEN 2005), Chisinau, Rep. Moldova, ISBN: 973-716-230-7, pp. 1021-1024-2005.	EBSCO	6	3.33
				Total	35.33

2.3 Brevete de invenție indexate în alte baze de date

Nr.	Autori	Titlu brevet	Baza de date	Nr. Autori	Punctaj
				0	0.00
				Total	0.00

2.4 Granturi/proiecte câștigate prin competiție națională/ internațională *

Nr.	Director/ Responsabil proiect partener/ Membru în echipă	Denumire proiect, tip, cod, date identificare	Perioada	Nr. ani derulare	Punctaj
A2.4.1	Director/Responsabil	CNCSIS de tip Td, Realizarea unui pachet software de modelare și simulare numerică a interferențelor electromagnetice din camere reverberante cu brasaj de formă, Cod CNCSIS 218/2005	2004-2006	2	20.00

A2.4.2	Director/Responsabil	CNCIS de tip Bd, Contribuții la modelarea numerică a interferențelor electromagnetice în echipamente de teste din EMC, Cod CNCIS 239/2003	2003-2006	3	30.00
A2.4.3	Membru în echipă	CEEX, nr. X2C37/2006, Impactul câmpurilor electromagnetice de natură antropică asupra ecosistemelor – ICEMECOS	2006-2009	3	6.00
A2.4.4	Membru în echipă	CEEX, nr. 6856/2006, Cercetări teoretice și experimentale privind comportarea materialelor electroizolante în scopul fundamentării studiilor de diagnoză și predicție inteligente – MATELIZ	2006-2009	3	6.00
A2.4.5	Membru în echipă	CEEX, nr. 136/2006, Diagnoză și predicție inteligentă și activă a construcțiilor cu structura de rezistență în mediul înconjurător complex poluat – DIRECTOR	2006-2009	3	6.00
A2.4.6	Membru în echipă	PN-II-Nr. 22122/2008 Sistem de predicție și diagnoză inteligentă pentru creșterea siguranței în exploatare a rețelelor electrice de distribuție, prin prevenirea avariilor la cablurile de energie – CABDIAG	2008-2011	3	6.00
A2.4.7	Membru în echipă	CNCIS "Soluții de modelare, predicție și proiectare, cu maxim de performanță, pentru reducerea impactului curenților de dispersie asupra conductelor metalice subterane de transport gaz", PN-II-RU-TE-2010-0253	2010-2012	3	6.00
A2.4.8	Membru în echipă	H2020 "MEs – Meeting of Energy Skills", H2020-EE-2014-3-MarketUptake, No. 649773 https://cordis.europa.eu/project/id/649773	2015-2017	3	12.00
A2.4.9	Membru în echipă	H2020 "DR-BOB – Demand Response in Block of Buildings", H2020-EE-2015-2-RIA, No. 696114 https://cordis.europa.eu/project/id/696114	2016-2019	3.5	14.00
A2.4.10	Membru în echipă	H2020 "Re-Cognition - Renewable Cogeneration and Storage Technologies Integration for energy Autonomous Buildings", H2020-LC-SC3-2018-RES-TwoStages, No. 815301 https://cordis.europa.eu/project/id/815301	2019-2022	3.5	14.00
A2.4.11	Membru în echipă	H2020 "SMEmPower Efficiency - A holistic framework for Empowering SME's capacity to increase their Energy Efficiency", H2020-LC-SC3-EE-2018, No. 847132 https://cordis.europa.eu/project/id/847132	2019-2022	3	12.00
A2.4.12	Membru în echipă	H2020 "GEAR@SME - Generate Energy Efficient Acting and Result at Small & Medium Enterprises", H2020-LC-SC3-EE-2019, No. 894356 https://cordis.europa.eu/project/id/894356	2020-2023	2.5	10.00
A2.4.13	Membru în echipă	UEFISCDI "Pachet integrat de surse regenerabile pentru cladiri autonome" PREMIEREA PARTICIPARII PROIECT HORIZON 2020:RE-COGNITION Contract 44 din 11/01/2021, PN-III-P3-3.6-H2020-2020-0129	2021-2022	1	2.00
A2.4.14	Membru în echipă	UEFISCDI "Cadru holistic pentru creșterea eficienței energetice în IMM-uri" PREMIEREA PARTICIPARII PROIECT HORIZON 2020: SMEmPower Efficiency. Contract 42 din 11/01/2021, PN-III-P3-3.6-H2020-2020-0121	2021-2022	1	2.00
A2.4.15	Membru în echipă	EEA and Norway grants "DOITSMARTER - Design and development of an Energy Efficiency Management and Control System with cost-effective solutions for residential and educational buildings" No. 332783/2021 - DOITSMARTER	2022-2023	1.5	6.00
A2.4.16	Director/Responsabil	LIFE "EnTRAINER - Energy Transition Audits towards Decarbonization", LIFE21-CET-AUDITS-EnTRAINER/101076424 https://webgate.ec.europa.eu/life/publicWebsite/project/details/101076424	2022-2025	3	60.00
A2.4.17	Membru în echipă	H2020 "SunHorizon - Sun coupled innovative Heat Pumps", H2020-LC-SC3-2018-RES-SingleStage, No. 818329 https://cordis.europa.eu/project/id/818329	2022-2023	1.5	6.00
A2.4.18	Membru în echipă	HORIZON "RENplusHOMES - Renewable ENergy-based Positive Homes", HORIZON-CL5-2022-D4-01-02, No. 101103450 https://renplushomes.eu/	2023-2026	3.5	14.00
A2.4.19	Membru în echipă	PNCDI IV COFUND 2024, nr. 46/2024, cu titlul "Positive EneRgy dIStrICTs driven by cITizens (PERSIST)"	2023-2026	3	12.00
A2.4.20	Membru în echipă	Fostering the implementation of shallow geothermal hybrid heating and cooling systems in the Danube Region (Danube GeoHeCo), ID DRP0200244, Danube Region Programme	2023-2027	3	12.00
A2.4.21	Membru în echipă	Building local partnerships for reducing the fossil energy demand of district heating systems in the eastern danube region (REHETEAST), ID DRP0200401, Danube Region Programme	2023-2028	3	12.00
A2.4.22	Membru în echipă	NetZeRoCities 760007/30.12.2022 – Centrul Național de Competență și soluții pentru dezvoltarea orașelor inteligente climatic neutre	2023-2029	3	6.000
				Total	274.00

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

Nr.	Director/ Responsabil proiect partener/ Membru în echipă	Denumire proiect, tip, cod, date identificare	Perioada	Nr. ani derulare	Punctaj
A2.5.1	Membru în echipă	TRANSGAZ No. 27/2010: "Studiul Coroziei Conductelor de Transport Gaze Naturale, aflate sub Influența Liniilor Electrice Aeriene cu Tensiuni mai mari de 110 kV și Metode de Reducere. Studiu de caz.", SNTGN Transgaz S.A.	2010	1	2.00
A2.5.2	Membru în echipă	TRANSGAZ No. 4/2011: "Studiul Coroziei Conductelor de Transport Gaze Naturale, aflate sub Influența Liniilor Electrice Aeriene cu Tensiuni mai mari de 110 kV și Metode de Reducere. Măsurători in Situ și Validare Soft", SNTGN Transgaz S.A.	2011	1	2.00

A2.5.3	Membru în echipă	ENERGOBIT No. 44/2012: "Interferențe Electromagnetice Induse în Ecranele unor Linii Electrice în Cablu", Energobit S.A.	2012	1	2.00
A2.5.4	Membru în echipă	ROMATSA No. 3423/17.12.2012 "Protecția Echipamentelor de la obiectivele DSNA Cluj și DR București Secția PNA/CNS Cluj la Supratensiuni și Impulsuri Electromagnetice cauzate de Trăsnete în Linile de Electroalimentare și Circuitele Vocale și de Date", Romatsa	2012	2	4.00
A2.5.5	Director/Responsabil	Bursă postdoctorală , "Soluții de modelare și predicție pentru creșterea siguranței în exploatarea rețelelor electrice de distribuție, prin prevenirea degradărilor cablurilor de energie", Proiect cofinanțat din Fondul Social European prin Programul Operațional Sectorial pentru Dezvoltarea Resurselor Umane 2007 – 2013 având titlul „Parteneriat interuniversitar pentru excelență în inginerie - PARTING”, Cod Contract: POSDRU/159/1.5/S/137516	01.05.2014 – 31.10.2015	1.5	7.50
A2.5.6	Membru în echipă	UTI Grup No. 10/07.10.2016: "Raport de Audit Energetic - Evaluarea Eficienței Energetice", Cluj-Napoca International Airport	2016	1	2.00
A2.5.7	Membru în echipă	Servelect No. 77/08.12.2016: "Studii privind Prognoza CPT în Rețelele de Distribuție a Energiei pentru anul 2017", S.C. Servelect S.R.L.	2016	1	2.00
A2.5.8	Membru în echipă	Primăria Cluj-Napoca No. 99457/09.03.2016: "Serviciu de Management Energetic la Nivelul Orașului Cluj-Napoca", Primăria Municipiului Cluj-Napoca	2016	1	2.00
A2.5.9	Membru în echipă	ALEA Nr. 60/12.11.1018: "Servicii de expertiză externă necesare elaborării planului de acțiune al proiectului SUPPORT "Support Local Governments in Low Carbon Strategies", Agenția Locală a Energiei Alba (valoare contract: 18980.5 lei)	2018	1	2.00
A2.5.10	Membru în echipă	SDEE TN S.A. No. 4740/01.03.2018: "Studiu privind post-calculul consumului propriu tehnologic în rețelele de distribuție a operatorului de rețea concesionar SDEE Transilvania Nord S.A.", SDEE Transilvania Nord S.A.	2018	1	2.00
A2.5.11	Membru în echipă	Servelect No. 33131/17.12.2018: "Studii privind Prognoza CPT în Rețelele de Distribuție a Energiei pentru anul 2018", S.C. Servelect S.R.L.	2018	1	2.00
A2.5.12	Membru în echipă	SDEE TN S.A. 2019: "Studiu privind post-calculul consumului propriu tehnologic în rețelele de distribuție a operatorului de rețea concesionar SDEE Transilvania Nord S.A pentru anul 2018", SDEE Transilvania Nord S.A.	2019	1	2.00
A2.5.13	Membru în echipă	SDEE TN S.A. 2020: "Studiu privind post-calculul consumului propriu tehnologic în rețelele de distribuție a operatorului de rețea concesionar SDEE Transilvania Nord S.A pentru anul 2019", SDEE Transilvania Nord S.A.	2020	1	2.00
A2.5.14	Membru în echipă	DEER S.A. 2021: "Studiu privind post-calculul consumului propriu tehnologic în rețelele de distribuție a operatorului de rețea concesionar Distribuție Energie Electrica Romania S.A. - zona Transilvania Nord", Distribuție Energie Electrică Romania	2021	1	2.00
A2.5.15	Membru în echipă	Primăria Cluj Napoca, Nr. 36350/07.11.2022: "Platformă digitală unică de monitorizare/ gestiune consumuri de utilități pentru clădirile publice", Municipiul Cluj-Napoca (valoare contract: 152.915 lei)	2022	1	2.00
				Total	35.50

RECUNOAȘTEREA ȘI IMPACTUL ACTIVITĂȚII (A3)

Standarde minimale necesare și obligatorii pentru conferirea titlurilor didactice din învățământul superior, a gradelor profesionale de cercetare-dezvoltare, a calității (conform Ordinului MENÇȘ nr. 6129 din 20 decembrie 2016 privind aprobarea standardelor minimale necesare și obligatorii pentru conferirea titlurilor didactice din

Nr. Crt	Domeniul activităților	Tipul activităților	Categoriile și restricții	Subcategoriile	Indicat ori (kpi)	Număr	Punctaj
3	Recunoașterea și impactul activității (A3)	3.1 Citări în revistele WOS și volumele conferințelor WOS **	3.1.1 Profesor univ./ CS I: minimum 10 citări		5 / nr. autori ai articolului citat	97	103.56
			3.1.2 Conferențiar univ./ CS II: minimum 7 citări				
		3.2 Citări în revistele BDI și volumele conferințelor BDI **	3.2.1 Profesor univ./ CS I: minimum 20 citări		3 / nr. autori ai articolului citat	42	28.23
			3.2.2 Conferențiar univ./ CS II: minimum 10 citări				
		3.3 Prezentări invitate în plenum unor manifestări științifice naționale și internaționale și Profesor invitat (exclusiv POS, ERASMUS)	Punctaj unic pentru fiecare activitate	3.3.1 internaționale	20	1	20
				3.3.2 naționale	5		
		3.4 Membru în colectivele de redacție sau comitete științifice ale revistelor și manifestărilor științifice, organizator de manifestări științifice, recenzor pentru reviste și manifestări științifice naționale și internaționale (punctajul se acordă pentru fiecare revistă, manifestare științifică și recenzie)	Punctaj unic pentru fiecare activitate	3.4.1 WOS	10	3	367
				3.4.2 BDI	6	19	
				3.4.3 naționale și internaționale neindexate	3	3	
		3.5 Referent în comisii de doctorat		3.5.1 internaționale	10		5
				3.5.2 naționale	5	1	
		3.6 Premii		Academia Română	30		25
				ASAS, AOSR, academii de ramură și CNCS	15		
Premii internaționale	10			2			
Premii naționale în domeniu	5			1			
3.7 Membru în academii, organizații, asociații profesionale de prestigiu, naționale și internaționale, apartenență la organizații din domeniul educației și cercetării științifice		3.7.1 Academia Română		100	57		
		3.7.2 ASAS, AOSR și academii de ramură		30			
		3.7.3 Conducere asociații profesionale	internaționale	30			
			naționale	10			
		3.7.4 Asociații profesionale	internaționale	5		3	
			naționale	2		1	
3.7.5 Consilii și organizații în domeniul educației și		internaționale	15				
		naționale	10	4			
					TOTAL A3	605.79	

3.1 Citări în revistele WOS și volumele conferințelor WOS **

Nr.	Articol citat (autori, revistă/ volum conferință/ an / pagini)	Articol care citează (autori, revistă WOS / volum conferință WOS/ an / pagini)	Număr de autori ai articolului citat	Punctaj
A3.1.1	D.D. Micu, L. Czumbil, A. Ceclan, A. Mutu, D. Șteț: „Layer Recurrent Neural Network Solution for an Electromagnetic Interference Problem”, 14th Biennial IEEE Conference on Electromagnetic Field Computation (CEFC), ISBN: 978-1-4244-7059-4, Chicago, USA, May 9-12, 2010. Doi: 10.1109/CEFC.2010.5481648	M. Izadi, M.Z.A. Ab Kadir, C. Gomes, V. Cooray, J. Shoene: „Evaluation of Lightning Current and Velocity Profiles along Lightning Channel using Measured Magnetic Flux Density”, Progress in Electromagnetics Research, ISSN: 1559-8985, vol. 130, pp. 473-492, 2012. DOI: 10.2528/PIER12060612 WOS:000308582900023	5	1.00
A3.1.2	D.D. Micu, L. Czumbil, G.C. Christoforidis, A. Ceclan, D. Șteț: „Evaluation of Induced AC Voltages in Underground Metallic Pipeline”, COMPEL: The International Journal for Computation and Mathematics in Electrical and Electronic Engineering, ISSN: 0332-1649, vol. 31, no. 4, pp.1133-1143, 2012. Doi: 10.1108/0332164121122737, WOS:000308896700009	O. Pop, A. Taut, A. Grama, E. Ceuca: „Analysis and Simulation of LCLR Converters”, 36th International Spring Seminar on Electronics Technology (ISSE), ISBN: 978-1-4799-0036-7, pp. 286-289, Alba Iulia, Romania, May 8-12, 2013. Doi: 10.1109/ISSE.2013.6648258 WOS:000374113900054	5	1.00

A3.1.3	D.D Micu., L. Czumbil, G.C. Christoforidis, A. Ceclan, D. Şteţ: „Evaluation of Induced AC Voltages in Underground Metallic Pipeline”, COMPEL: The International Journal for Computation and Mathematics in Electrical and Electronic Engineering, ISSN: 0332-1649, vol. 31, no. 4, pp.1133-1143, 2012. Doi: 10.1108/0332164121122737, WOS:000308896700009	L. Dărăbant, M. Creţu, C. Aciu: „Analysis of the Activation of Spinal Nerves during Magnetic Stimulation of the Lumbar Area”, 8th International Symposium on Advanced Topics in Electrical Engineering, (ATEE), ISBN: 978-1-4673-5979-5, Bucharest, Romania, May 23-25, 2013. WOS:000332928500082	5	1.00
A3.1.4	D.D. Micu, L. Czumbil, A. Ceclan, A. Mutu, D. Şteţ: „Layer Recurrent Neural Network Solution for an Electromagnetic Interference Problem”, 14th Biennial IEEE Conference on Electromagnetic Field Computation (CEFC), ISBN: 978-1-4244-7059-4, Chicago, USA, May 9-12, 2010. Doi: 10.1109/CEFC.2010.5481648	M. Izadi, M.Z.A. Ab Kadir, M.T Askari, M.Hajikhani: „Evaluation of Lightning Current using Inverse Procedure Algorithm”, International Journal of Applied Electromagnetics and Mechanics, ISSN: 1383-5416, vol. 41, no. 3, pp. 267-278, 2013. DOI: 10.3233/JAE-121611 WOS:000316719400006	5	1.00
A3.1.5	D. Şteţ, L. Czumbil, D.D. Micu, V. Ţopa, L. Ancăş: „Stream Gas Pipeline in Proximity of High Voltage Power Lines. Part I - Soil Resistivity Evaluation”, 47th International Universities' Power Engineering Conference (UPEC), ISBN: 978-1-4673-2854-8, London, UK, September 04-07, 2012. Doi: 10.1109/UPEC.2012.6398445	R.A. Radu, D.O. Micu, A. Ceclan, C. Bărbulescu, S. Kilyeni: „Recent Advances on the Influence of Power Transformers Inrush Current over the Optimization of Medium Voltage Feeder Protection”, 48th International Universities' Power Engineering Conference (UPEC), Dublin, Ireland, September 2-5, 2013. DOI: 10.1109/UPEC.2013.6714928 WOS:000333750100076	5	1.00
A3.1.6	D.D Micu., L. Czumbil, G.C. Christoforidis, A. Ceclan, D. Şteţ: „Evaluation of Induced AC Voltages in Underground Metallic Pipeline”, COMPEL: The International Journal for Computation and Mathematics in Electrical and Electronic Engineering, ISSN: 0332-1649, vol. 31, no. 4, pp.1133-1143, 2012. Doi: 10.1108/0332164121122737, WOS:000308896700009	A.Z. El Dein: „Effect of the Variation of the Charge Distribution Along Multi-Overhead Transmission Lines' Conductors on the Calculation Method of Ground Surface Electric Field”, International Journal Of Electrical Power & Energy Systems, ISSN: 0142-0615, vol. 51, pp. 255-264, 2013. Doi: 10.1016/j.ijepes.2013.03.011 WOS:000318837000027	5	1.00
A3.1.7	D.D Micu., L. Czumbil, G.C. Christoforidis, A. Ceclan, D. Şteţ: „Evaluation of Induced AC Voltages in Underground Metallic Pipeline”, COMPEL: The International Journal for Computation and Mathematics in Electrical and Electronic Engineering, ISSN: 0332-1649, vol. 31, no. 4, pp.1133-1143, 2012. Doi: 10.1108/0332164121122737, WOS:000308896700009	O.E. Gouda, A.Z. El Dein, M.A.H. El-Gabalawy: „Effect of Electromagnetic Field of Overhead Transmission Lines on the Metallic Gas Pipe-Line s”, Electric Power Systems Research, ISSN: 0378-7796, vol. 103, pp. 129-136, 2013. Doi: 10.1016/j.epr.2013.05.002 WOS:000322939700016	5	1.00
A3.1.8	D.D Micu., L. Czumbil, G.C. Christoforidis, A. Ceclan, D. Şteţ: „Evaluation of Induced AC Voltages in Underground Metallic Pipeline”, COMPEL: The International Journal for Computation and Mathematics in Electrical and Electronic Engineering, ISSN: 0332-1649, vol. 31, no. 4, pp.1133-1143, 2012. Doi: 10.1108/0332164121122737, WOS:000308896700009	A.Z. El Dein: „Calculations of the Charge Distribution along Multi-Overhead Transmission Lines' Conductors”, IET Generation Transmission & Distribution, ISSN: 1751-8687, vol. 7, no. 10, pp. 1116-1122, 2013. Doi: 10.1049/iet-gtd.2012.0630 WOS:000337954100007	5	1.00
A3.1.9	D. Şteţ, L. Czumbil, L. Ancăş: „Investigation of Electromagnetic Interferences Issues”, 8th International Symposium on Advanced Topics in Electrical Engineering (ATEE), ISBN: 978-1-4673-5979-5, Bucharest, Romania, May 23-25, 2013. Doi: 10.1109/ATEE.2013.6563457 WOS: 000332928500111	M. Creţu, R.V. Ciupa: „Magnetic Coil Design for Evaluating the Response of the Spinal Cord during Magnetic Stimulation”, 8th International Conference and Exposition on Electrical and Power Engineering (EPE), ISBN:978-1-4799-5849-8, pp. 237-240, Iasi, Romania, October 16-18, 2013. WOS:000353565300039	3	1.67
A3.1.10	D.D Micu., L. Czumbil, G.C. Christoforidis, A. Ceclan, D. Şteţ: „Evaluation of Induced AC Voltages in Underground Metallic Pipeline”, COMPEL: The International Journal for Computation and Mathematics in Electrical and Electronic Engineering, ISSN: 0332-1649, vol. 31, no. 4, pp.1133-1143, 2012. Doi: 10.1108/0332164121122737, WOS:000308896700009	A.Z. El Dein: „Parameters Affecting the Charge Distribution along Overhead Transmission Lines' Conductors and their Resulting Electric Field”, Electric Power Systems Research, ISSN: 0378-7796, Vol. 108, pp. 198-210, March, 2014. Doi: 10.1016/j.epr.2013.11.011 WOS: 000331509700021	5	1.00
A3.1.11	D. Şteţ, L. Czumbil, L. Ancăş: „Investigation of Electromagnetic Interferences Issues”, 8th International Symposium on Advanced Topics in Electrical Engineering (ATEE), ISBN: 978-1-4673-5979-5, Bucharest, Romania, May 23-25, 2013. Doi: 10.1109/ATEE.2013.6563457 WOS: 000332928500111	R. Vatu, O. Ceaki, N. Golovanov, R. Porumb, G. Seritan: „Analysis of Storage Technologies within Smart Grid Framework”, 49th International University Power Engineering Conference (UPEC), ISBN: 978-147996557-1, Cluj-Napoca, Romania, September 02-05, 2014. DOI: 10.1109/UPEC.2014.6934823 WOS:000364087800212	3	1.67
A3.1.12	D. Şteţ, D.D. Micu, L. Czumbil, L. Dărăbant, A. Ceclan: „Simulation of Interferences between Power Lines and Gas Pipelines in Unbalanced Phase Currents State”, COMPEL: The International Journal for Computation and Mathematics in Electrical and Electronic Engineering, ISSN: 0332-1649, vol. 31, no. 4, pp.1718-1189, 2012. Doi: 10.1108/03321641211227447, WOS:000308896700014	O. Ceaki, R. Vatu, N. Golovanov, R. Porumb, G. Seritan: „Analysis of the Grid-Connected PV Plants behavior with FACTS Influence”, 49th International University Power Engineering Conference (UPEC), ISBN: 978-147996557-1, Cluj-Napoca, Romania, September 02-05, 2014. DOI: 10.1109/UPEC.2014.6934822 WOS:000364087800211	5	1.00
A3.1.13	D.D Micu., L. Czumbil, G.C. Christoforidis, A. Ceclan, D. Şteţ: „Evaluation of Induced AC Voltages in Underground Metallic Pipeline”, COMPEL: The International Journal for Computation and Mathematics in Electrical and Electronic Engineering, ISSN: 0332-1649, vol. 31, no. 4, pp.1133-1143, 2012. Doi: 10.1108/0332164121122737, WOS:000308896700009	O.A. Pop: „Analysis and Simulation of Quasi-Resonant Inverter for Induction Heating Application s”, 49th International University Power Engineering Conference (UPEC), ISBN: 978-147996557-1, Cluj-Napoca, Romania, September 2-5, 2014. DOI: 10.1109/UPEC.2014.6934831 WOS:000364087800219	5	1.00
A3.1.14	D. Şteţ, D.D. Micu, L. Czumbil, L. Dărăbant, A. Ceclan: „Simulation of Interferences between Power Lines and Gas Pipelines in Unbalanced Phase Currents State”, COMPEL: The International Journal for Computation and Mathematics in Electrical and Electronic Engineering, ISSN: 0332-1649, vol. 31, no. 4, pp.1718-1189, 2012. Doi: 10.1108/03321641211227447, WOS:000308896700014	O.A. Pop: „Analysis and Simulation of Quasi-Resonant Inverter for Induction Heating Application s”, 49th International University Power Engineering Conference (UPEC), ISBN: 978-147996557-1, Cluj-Napoca, Romania, September 2-5, 2014. DOI: 10.1109/UPEC.2014.6934831 WOS:000364087800219	5	1.00

A3.1.15	D.D. Micu, L. Czumbil, A. Ceclan, A. Mutu, D. Şteţ: „Layer Recurrent Neural Network Solution for an Electromagnetic Interference Problem”, 14th Biennial IEEE Conference on Electromagnetic Field Computation (CEFC), ISBN: 978-1-4244-7059-4, Chicago, USA, May 9-12, 2010. Doi: 10.1109/CEFC.2010.5481648	M. Izadi, M.Z.A. Ab Kadir, M. Hajikhani: „An Algorithm for Evaluation of Lightning Electromagnetic Fields at Different Distances with respect to Lightning Channel”, Mathematical Problems in Engineering, ISSN: 1024-123X, 2014. Doi: 10.1155/2014/925463 WOS:000345384100001	5	1.00
A3.1.16	L. Czumbil, D.D. Micu, A. Ceclan, D. Şteţ, D.O. Micu: „Fuzzy Logic - Genetic Algorithm Method to Evaluate the Magnetic Vector Potential”, 12th WSEAS International Conference on Mathematical Methods and Computational Techniques in Electrical Engineering (MMACTEE), pp. 128-133, Timişoara, Romania, October 21-23, 2010.	L. Dărăbant, M. Creţu, D. Rafiroiu, R.V. Ciupa: „Evaluating the Efficiency of Stimulators used in Magnetic Stimulation of the Spinal Cord”, 9th International Symposium on Advanced Topics in Electrical Engineering, (ATEE), ISBN: 978-1-4799-7514-3, Bucharest, Romania, May 7-9, 2015. Doi: 10.1109/ATEE.2015.7133779 WOS:000368159800050	5	1.00
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A3.1.21	L. Czumbil, D. Şteţ, D.D. Micu, V. Ţopa, L. Ancăş: „Stream Gas Pipeline in Proximity of High Voltage Power Lines. Part II - Induced Voltage Evaluation”, 47th International Universities' Conference on Power Energy (IUPEC), ISBN: 978-1-4673-2854-8, London, UK, September 04-07, 2012. Doi: 10.1109/IUPEC.2012.6398444	S. Haifeng, W. Pei, C. Haojing, A. Xiancang, E. Tianlong, S. Bonian, Z. Rongrong, L. Zhihong, W. Chunfeng: „Study on Electromagnetic Influence of 750kV AC Transmission Lines on Multiple Buried Pipeline s”, Asia-Pacific International Symposium on Electromagnetic Compatibility (APEMC), ISBN:978-1-4673-9494-9, pp. 31-34, Shenzhen, China, May 17-21, 2016. Doi: 10.1109/APEMC.2016.7522725 WOS:000390842100009	5	1.00
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A3.1.37	D. Şteţ, L. Czumbil, L. Ancăş: „Investigation of Electromagnetic Interferences Issues”, 8th International Symposium on Advanced Topics in Electrical Engineering (ATEE), ISBN: 978-1-4673-5979-5, Bucharest, Romania, May 23-25, 2013. Doi: 10.1109/ATEE.2013.6563457 WOS: 000332928500111	G. Seritan, I. Tristiu & G. Fierascu: „Assessment for Efficient Operation of Smart Grids using Advanced Technologies”, International Conference and Exposition on Electrical and Power Engineering (EPE), ISBN: 978-1-5386-5062-2, Iaşi, Romania, October 18-19, 2018. Doi: 10.1109/ICEPE.2018.8559609 WOS:000458752200176	3	1.67
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A3.1.42	L. Czumbil, D.D. Micu, C. Munteanu, D. Șteț, B. Tomoiogă: „ <i>Optimal Design of the Pipeline Right-of-Way Nearby High Voltage Transmission Lines using Genetic Algorithms</i> ”, 50th International Universities Power Engineering Conference (UPEC), ISBN: 978-1-4673-9682-0, Stoke on Trent, UK, September 01-04, 2015. Doi: 10.1109/UPEC.2015.7339841 WOS:000377369500082	I. Lingvay, A.M. Bors, D. Lingvay, L. Radermacher, V. Neagu: „ <i>Electromagnetic Pollution of the Environment and its Effects on the Materials from the Built up Media</i> ”, Revista de Chimie, ISSN: 0034-7752, vol. 69, no. 12, pp. 3593-3599, December, 2018. WOS:000458533800056	5	1.00
A3.1.43	D. Șteț, D.D. Micu, L. Czumbil, B. Manea: „ <i>Case Studies on Electromagnetic Interference between HVPL and Buried Pipelines</i> ”, International Conference and Exposition on Electrical and Power Engineering (EPE), ISBN: 978-1-4799-5849-8, pp. 231-236, Iași, Romania, October 16-18, 2014. Doi: 10.1109/ICEPE.2014.6969903 WOS:000353565300038	I. Lingvay, A.M. Bors, D. Lingvay, L. Radermacher, V. Neagu: „ <i>Electromagnetic Pollution of the Environment and its Effects on the Materials from the Built up Media</i> ”, Revista de Chimie, ISSN: 0034-7752, vol. 69, no. 12, pp. 3593-3599, December, 2018. WOS:000458533800056	4	1.25
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A3.1.45	D.D. Micu, L. Czumbil, D. Șteț, A. Ceclan: „ <i>Stability Analysis in Computational Problems Regarding Power Networks</i> ”, International Conference on Applied Mechanics, Mathematics, Modeling and Simulation (AMMMS 2018), ISBN: 978-1-60595-589-6, Hong Kong, November 29-30, published in DEStech Transactions on Computer Science and Engineering, ISSN: 2475-8841, 2018. Doi: 10.12783/dtscse/ammms2018/27275	L. Dărăbant, O. Pop, C. Vătavu: „ <i>Adaptive OrCAD Simulation Approach in Teaching Non Linear Devices</i> ”, 8th International Conference on Modern Power Systems (MPS), eISBN: 978-1-7281-0750-9, Cluj-Napoca, Romania, May 21-23, 2019. DOI: 10.1109/MPS.2019.8759676 WOS:000612401900027	4	1.25
A3.1.46	D. Șteț, L. Czumbil, L. Ancăș: „ <i>Investigation of Electromagnetic Interferences Issues</i> ”, 8th International Symposium on Advanced Topics in Electrical Engineering (ATEE), ISBN: 978-1-4673-5979-5, Bucharest, Romania, May 23-25, 2013. Doi: 10.1109/ATEE.2013.6563457 WOS: 000332928500111	C. Mureșan, M.I. Ardelean, B. Tebrean, S. Crișan: „ <i>LabVIEW Program for Implementing Hilbert Spaces Algorithms in Power Systems Analysis</i> ”, 8th International Conference on Modern Power Systems (MPS), eISBN: 978-1-7281-0750-9, Cluj-Napoca, Romania, May 21-23, 2019. DOI: 10.1109/MPS.2019.8759681 WOS:000612401900032	3	1.67
A3.1.47	D.D. Micu., L. Czumbil, G.C. Christoforidis, A. Ceclan, D. Șteț: „ <i>Evaluation of Induced AC Voltages in Underground Metallic Pipeline</i> ”, COMPEL: The International Journal for Computation and Mathematics in Electrical and Electronic Engineering, ISSN: 0332-1649, vol. 31, no. 4, pp.1133-1143, 2012. Doi: 10.1108/0332164121122737, WOS:000308896700009	G. Lucca: „ <i>AC Corrosion on Pipelines: Influence of the Surface Layer Soil Resistivity in Evaluating the Current Density by a Probabilistic Approach</i> ”, Progress in Electromagnetics Research M, ISSN: 1937-8726, vol. 79, 2019. DOI: 10.2528/PIERM19011003, WOS:000465422100018	5	1.00
A3.1.48	D.D. Micu., L. Czumbil, G.C. Christoforidis, A. Ceclan, D. Șteț: „ <i>Evaluation of Induced AC Voltages in Underground Metallic Pipeline</i> ”, COMPEL: The International Journal for Computation and Mathematics in Electrical and Electronic Engineering, ISSN: 0332-1649, vol. 31, no. 4, pp.1133-1143, 2012. Doi: 10.1108/0332164121122737, WOS:000308896700009	S.Hr. Aghay Kaboli1, A. Al Hinai, A.H. Al-Badi, Y. Charabi, A. Al Saifi: „ <i>Prediction of Metallic Conductor Voltage Owing to Electromagnetic Coupling via a Hybrid ANFIS and Backtracking Search Algorithm</i> ”, Energies, ISSN: 1996-1073, vol. 12, no. 19, paper 3651, September, 2019. DOI: 10.3390/en12193651, WOS:000498072600062	5	1.00
A3.1.49	L. Czumbil, D.D. Micu, D. Șteț, A. Ceclan: „ <i>Inductive Coupling between Overhead Power Lines and nearby Metallic Pipelines. A Neural Network Approach</i> ”, Carpathian Journal of Electrical Engineering (CJEE), ISSN: 1843-7583, vol. 9, no. 1, pp. 29-44, 2015.	S.Hr. Aghay Kaboli1, A. Al Hinai, A.H. Al-Badi, Y. Charabi, A. Al Saifi: „ <i>Prediction of Metallic Conductor Voltage Owing to Electromagnetic Coupling via a Hybrid ANFIS and Backtracking Search Algorithm</i> ”, Energies, ISSN: 1996-1073, vol. 12, no. 19, paper 3651, September, 2019. DOI: 10.3390/en12193651, WOS:000498072600062	4	1.25
A3.1.50	B. Bărgăuan, M. Crețu, O. Fatî, A. Ceclan, L. Dărăbant, D.D. Micu, D. Șteț, L. Czumbil: „ <i>Energy Management System for the Demand Response in TUCN Buildings</i> ”, 53rd International Universities Power Engineering Conference (UPEC), ISBN: 978-1-5386-2910-9, Glasgow, UK, September 4-7, 2018. Doi: 10.1109/UPEC.2018.8541949 WOS: 000468972100095	T. Pivem, S. Petry, F. Silva Moreira, F. de Oliveira de Araujo, A.L. Bettiol, D.B.S. Figueiredo, R. Teixeira Machado, L. de Oliveira de Araujo, P. Sullyvan: „ <i>Development of a Low Cost Device for Monitoring Energy Consumption Profile in Rural Consumers</i> ”, 54th International Universities Power Engineering Conference (UPEC), ISBN: 978-1-7281-3349-2, September 3-6, 2019. DOI: 10.1109/UPEC.2019.8893499 WOS:000619338200041	8	0.63

A3.1.51	D. Șteț, D.D. Micu, L. Czumbil, L. Dărăbant, A. Ceclan: „Simulation of Interferences between Power Lines and Gas Pipelines in Unbalanced Phase Currents State”, COMPEL: The International Journal for Computation and Mathematics in Electrical and Electronic Engineering, ISSN: 0332-1649, vol. 31, no. 4, pp.1718-1189, 2012. Doi: 10.1108/03321641211227447, WOS:000308896700014	M.A. Al-Gabalawy, M.A. Mostafa, A.S. Hamza, S.A. Hussien: „Modeling of the KOH-Polarization Cells for Mitigating the Induced AC Voltage in the Metallic Pipelines”, Heliyon, ISSN: 2405-8440, vol. 6, no. 3, art. E03417, March, 2020. DOI: 10.1016/j.heliyon.2020.e03417, WOS:000522422500008	5	1.00
A3.1.52	M. Crețu, A. Ceclan, L. Czumbil, D. Șteț, B. Bărgăuan, D.D. Micu: „Key Performance Indicators (KPIs) for the Evaluation of the Demand Response in the Technical University of Cluj-Napoca Buildings”, 8th International Conference on Modern Power Systems (MPS), ISBN: 978-1-7281-0750-9, Cluj-Napoca, Romania, May 21-23, 2019. DOI: 10.1109/MP5.2019.8759794 WOS:000612401900138	P. Singh, S. Ghosh, M. Saraf, R. Nayak: „A Survey Paper on Identifying Key Performance Indicators for Optimizing Inventory Management System and Exploring Different Visualization Tools”, 4th International Conference on Intelligent Computing and Control Systems (ICICCS), ISBN: 978-1-7281-4876-2, Madurai, India, May 13-15, 2020. DOI: 10.1109/ICICCS48265.2020.9121036 WOS:000609825100107	6	0.83
A3.1.53	D.D. Micu., L. Czumbil, G.C. Christoforidis, A. Ceclan, D. Șteț: „Evaluation of Induced AC Voltages in Underground Metallic Pipeline”, COMPEL: The International Journal for Computation and Mathematics in Electrical and Electronic Engineering, ISSN: 0332-1649, vol. 31, no. 4, pp.1133-1143, 2012. Doi: 10.1108/0332164121122737, WOS:000308896700009	A.K. Thakur, A.K. Arya & P. Sharma: „The Science of Alternating Current-Induced Corrosion: A Review of Literature on Pipeline Corrosion Induced due to High-Voltage Alternating Current Transmission Pipelines”, Corrosion Reviews, ISSN: 0334-6005, vol. 38, no. 6, pp. 463-472, December 2020. DOI: 10.1515/correv-2020-0044 WOS:000594187100001	5	1.00
A3.1.54	L. Czumbil, D.D. Micu, D. Șteț, A. Ceclan: „A Neural Network approach for the Inductive Coupling between Overhead Power Lines and nearby Metallic Pipelines”, International Symposium on Fundamentals of Electrical Engineering (ISFEE), ISBN: 978-1-4673-9575-5, Bucharest, Romania, June 30 – July 02, 2016. Doi: 10.1109/ISFEE.2016.7803231 WOS: 000392434400083	M. Al-Gabalawy, M.A. Mostafa, A.S. Hamza: „Mitigation of Electrical Hazards on the Metallic Pipelines due to the HVOHTLs based on Different Intelligent Controllers”, IET Science Measurement & Technology, ISSN: 1751-8822, vol. 14, no. 10, pp. 1077-1087, December, 2020. DOI: 10.1049/iet-smt.2020.0218 WOS:000634961000032	4	1.25
A3.1.55	M. Crețu, A. Ceclan, L. Czumbil, D. Șteț, B. Bărgăuan, D.D. Micu: „Key Performance Indicators (KPIs) for the Evaluation of the Demand Response in the Technical University of Cluj-Napoca Buildings”, 8th International Conference on Modern Power Systems (MPS), ISBN: 978-1-7281-0750-9, Cluj-Napoca, Romania, May 21-23, 2019. DOI: 10.1109/MP5.2019.8759794 WOS:000612401900138	A. Popoli, A. Cristofolini, L. Sandrolini: „A Numerical Model for the Calculation of Electromagnetic Interference from Power Lines on Nonparallel Underground Pipelines”, Mathematics and Computers in Simulation, ISSN: 0378-4754, vol. 183, pp. 221-233, May, 2021. DOI: 10.1016/j.matcom.2020.02.015 WOS:000608589000017	6	0.83
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A3.1.57	L. Czumbil, D.D. Micu, D. Șteț, A. Ceclan: „Inductive Coupling between Overhead Power Lines and nearby Metallic Pipelines. A Neural Network Approach”, Carpathian Journal of Electrical Engineering (CJEE), ISSN: 1843-7583, vol. 9, no. 1, pp. 29-44, 2015.	M. Al-Gabalawy, M.A. Mostafa, A.S. Hamza: „Implementation of Different Intelligent Controllers for Mitigating the AC Corrosion of Metallic Pipelines Considering all HVOHTLs Operation Conditions”, ISA Transactions, ISSN: 0019-0578, vol. 117, pp. 251-273, 2021. DOI: 10.1016/j.isatra.2021.02.003 WOS:000712992900006	4	1.25
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A3.1.59	D.D. Micu, L. Czumbil, A. Ceclan, L. Dărăbant, D. Șteț, G.C. Christoforidis: „Electromagnetic Interferences Between HV Power Lines and Metallic Pipelines Evaluated with Neural Network Technique”, 10th International Conference on Electrical Power Quality and Utilisation (EPQU), ISBN: 978-1-4244-5171-5, Lodz, Poland, September 15-17, 2009. Doi: 10.1109/EPQU.2009.5318842 WOS:000274778700024	S. Ayub, B.H. Guan, F. Ahmad, M.F. Javed, A. Mosavi, I. Felde: „Preparation Methods for Graphene Metal and Polymer Based Composites for EMI Shielding Materials: State of the Art Review of the Conventional and Machine Learning Methods”, Metals, ISSN: 2075-4701, vol. 11, no. 8, art. no. 1164, July, 2021. DOI: 10.3390/met11081164 WOS:000689363800001	6	0.83
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A3.1.65	D. Șteț, L. Czumbil, D.D. Micu, A. Polycarpou, A. Ceclan, M. Crețu: „Power Factor Correction using EMTP-RV for Engineering Education”, 54th International Universities Power Engineering Conference (IUPEC), ISBN: 978-1-7281-3349-2, Bucharest, Romania, September 3-6, 2019. DOI: 10.1109/IUPEC.2019.8893477 WOS:000619338200021	J.M. Gamez Medina, J. de la Torre y Ramos, F.E. Lopez Monteagudo, L. del Carmen Rios Rodriguez, D. Esparza, J.M. Rivas, L. Ruvalcaba Arredondo, A.A. Romero Moyano: „Power Factor Prediction in Three Phase Electrical Power Systems using Machine Learning”, Sustainability, ISSN: 2071-1050, vol. 14, no. 15, art. no. 9113, 2022. DOI: 10.3390/su14159113, WOS:000840139700001	6	0.83
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A3.1.67	L. Czumbil, D.D. Micu, D. Șteț, A. Ceclan: „A Neural Network approach for the Inductive Coupling between Overhead Power Lines and nearby Metallic Pipelines”, International Symposium on Fundamentals of Electrical Engineering (ISFEE), ISBN: 978-1-4673-9575-5, Bucharest, Romania, June 30 – July 02, 2016. Doi: 10.1109/ISFEE.2016.7803231 WOS: 000392434400083	M.A. Khan, A.M. Saleh, M. Wassem, I.A. Sajjad: „Artificial Intelligence Enabled Demand Response: Prospects and Challenges in Smart Grid Environment”, IEEE Access, ISSN: 2169-3536, vol. 11, pp. 1477-1505, December 2022. DOI: 10.1109/ACCESS.2022.3231444, WOS:000910651700001	4	1.25
A3.1.68	B. Bărgăuan, M. Crețu, O. Fatî, A. Ceclan, L. Dărăbant, D.D. Micu, D. Șteț, L. Czumbil: „Energy Management System for the Demand Response in TUCN Buildings”, 53rd International Universities Power Engineering Conference (IUPEC), ISBN: 978-1-5386-2910-9, Glasgow, UK, September 4-7, 2018. Doi: 10.1109/IUPEC.2018.8541949 WOS: 000468972100095	J. Morewood: „Building Energy Performance Monitoring through the Lens of Data Quality: A Review”, Energy and Buildings, ISSN: 0378-7788, vol. 279, art. no. 112701, January 2023. DOI: 10.1016/j.enbuild.2022.112701, WOS:000905608000002	8	0.63
A3.1.69	L. Czumbil, D.D. Micu, D. Șteț, A. Ceclan: „A Neural Network approach for the Inductive Coupling between Overhead Power Lines and nearby Metallic Pipelines”, International Symposium on Fundamentals of Electrical Engineering (ISFEE), ISBN: 978-1-4673-9575-5, Bucharest, Romania, June 30 – July 02, 2016. Doi: 10.1109/ISFEE.2016.7803231 WOS: 000392434400083	B. Zhang, L. Li, Y. Zhang, J. Wang: „Study on the Interference Law of AC Transmission Lines on the Cathodic Protection Potential of Long-Distance Transmission Pipelines”, Magnetochemistry, ISSN: 2312-7481, vol. 9, no. 3, art. no. 75, March 2023. DOI: 10.3390/magnetochemistry9030075, WOS:000959872300001	4	1.25
A3.1.70	Ș.F. Braicu, L. Czumbil, D. Șteț, D.D. Micu, A. Ceclan, A. Mureșan, A. Polycarpou, E. Simion: „Interferences in High Voltage AC Power Line and Electric Railway Common Right-of-Way”, 8th International Conference on Modern Power Systems (MPS), ISBN: 978-1-7281-0750-9, Cluj-Napoca, Romania, May 21-23, 2019. DOI: 10.1109/MPS.2019.8759770 WOS:000612401900115	A. Kampczyk, K. Rombalska: „Configuration of the Geometric State of Railway Tracks in the Sustainability Development of Electrified Traction Systems”, Sensors, ISSN: 1424-8220, vol. 23, no. 5, art. no. 2817, March 2023. DOI: 10.3390/s23052817, WOS:000947702300001	8	0.63
A3.1.71	D.D. Micu., L. Czumbil, G.C. Christoforidis, A. Ceclan, D. Șteț: „Evaluation of Induced AC Voltages in Underground Metallic Pipeline”, COMPEL: The International Journal for Computation and Mathematics in Electrical and Electronic Engineering, ISSN: 0332-1649, vol. 31, no. 4, pp.1133-1143, 2012. Doi: 10.1108/0332164121122737, WOS:000308896700009	Z. Zhu, Y. Liang, L. Chen, Y. Liu, Y. Du: „Study on AC Interference Law of High Voltage AC Cable to Submarine Pipeline and Safe Distance”, Materials and Corrosion - Werkstoffe und Korrosion, vol. 74, no. 4, pp. 560-575, April 2023. DOI: 10.1002/maco.202213559, WOS:000890939700001	5	1.00
A3.1.72	D. Șteț, L. Czumbil, D.D. Micu, V. Țopa, L. Ancăș: „Stream Gas Pipeline in Proximity of High Voltage Power Lines. Part I - Soil Resistivity Evaluation”, 47th International Universities' Power Engineering Conference (IUPEC), ISBN: 978-1-4673-2854-8, London, UK, September 04-07, 2012. Doi: 10.1109/IUPEC.2012.6398445	X. Wang, Y. Wang, T. Sun, X. Yang, L. Yang, Y. Qi: „Study of the Coupling Interference of High-Voltage Transmission Lines on Adjacent Buried Steel Pipelines based on CDEGS”, Electric Power Systems Research, ISSN: 0378-7796, vol. 217, art. no. 109125, April 2023. DOI: 10.1016/j.epr.2023.109125, WOS:000993112700001	5	1.00
A3.1.73	L. Czumbil, D. Șteț, D.D. Micu, V. Țopa, L. Ancăș: „Stream Gas Pipeline in Proximity of High Voltage Power Lines. Part II - Induced Voltage Evaluation”, 47th International Universities' Conference on Power Energy (IUPEC), ISBN: 978-1-4673-2854-8, London, UK, September 04-07, 2012. Doi: 10.1109/IUPEC.2012.6398444	X. Wang, Y. Wang, T. Sun, X. Yang, L. Yang, Y. Qi: „Study of the Coupling Interference of High-Voltage Transmission Lines on Adjacent Buried Steel Pipelines based on CDEGS”, Electric Power Systems Research, ISSN: 0378-7796, vol. 217, art. no. 109125, April 2023. DOI: 10.1016/j.epr.2023.109125, WOS:000993112700001	5	1.00
A3.1.74	Ș.F. Braicu, L. Czumbil, D. Șteț, D.D. Micu: „Evaluation of the Electric and Magnetic Field Near High Voltage Power Lines”, IFMBE Proceedings, ISSN: 1680-0737, vol. 59, pp. 141-146, 2017, presented at 5th International Conference on Advancements of Medicine and Health Care through Technology (MEDITECH), Cluj-Napoca, Romania, October 12-15, 2016. Doi: 10.1007/978-3-319-52875-5_32 WOS:000426009100032	M. Pospisilik, I. Drofova, S. Kovar, T. Dulik, A. Tesacek: „Construction of a Generator for Power Frequency Magnetic Field Immunity Test”, 33rd International Conference Radioelektronika (RADIOELEKTRONIKA), ISBN: 979-8-3503-9834-2, Pardubice, Czech Republic, April 19-20, 2023. DOI: 10.1109/RADIOELEKTRONIKA57919.2023.10109059, WOS:000990505700033	4	1.25

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A3.1.76	L. Czumbil, D.D. Micu, D. Șteț, A. Ceclan: „A Neural Network approach for the Inductive Coupling between Overhead Power Lines and nearby Metallic Pipelines”, International Symposium on Fundamentals of Electrical Engineering (ISFEE), ISBN: 978-1-4673-9575-5, Bucharest, Romania, June 30 – July 02, 2016. Doi: 10.1109/ISFEE.2016.7803231 WOS: 000392434400083	M. Khodayar, J. Regan: „Deep Neural Networks in Power Systems: A Review”, Energies, ISSN: 1996-1073, vol. 16, no. 12, art. no. 4773, June 2023. DOI: 10.3390/en16124773, WOS:001014247400001	4	1.25
A3.1.77	D. Șteț, D.D. Micu, L. Czumbil, L. Dărăbant, A. Ceclan: „Simulation of Interferences between Power Lines and Gas Pipelines in Unbalanced Phase Currents State”, COMPEL: The International Journal for Computation and Mathematics in Electrical and Electronic Engineering, ISSN: 0332-1649, vol. 31, no. 4, pp.1718-1189, 2012. Doi: 10.1108/03321641211227447, WOS:000308896700014	Y. Wang, X. Wang, T. Sun, G. Rasool, L. Yang, Y. Qi: „Study on the Influence of the Transmission Tower in the AC Interference Distribution on the surface of a Buried Steel Pipeline under Steady-State Conditions”, Electric Power Systems Research, ISSN: 0378-7796, vol. 225, art. no. 109852, December 2023. DOI: 10.1016/j.epr.2023.109852, WOS:001079063000001	5	1.00
A3.1.78	D. Șteț, D.D. Micu, L. Czumbil, L. Dărăbant, A. Ceclan: „Simulation of Interferences between Power Lines and Gas Pipelines in Unbalanced Phase Currents State”, COMPEL: The International Journal for Computation and Mathematics in Electrical and Electronic Engineering, ISSN: 0332-1649, vol. 31, no. 4, pp.1718-1189, 2012. Doi: 10.1108/03321641211227447, WOS:000308896700014	G. Lucca: „Influence of Soil Conductivity in Capacitive Coupling between Power Lines and Pipelines”, Facta Universitatis Series Electronics and Energetics, ISSN: 0353-3670, vol. 36, no. 3, pp. 315-328, 2023. DOI: 10.2298/FUEE2303315L, WOS:001095099100001	5	1.00
A3.1.79	L. Czumbil, D.D. Micu, D. Șteț, A. Ceclan: „A Neural Network approach for the Inductive Coupling between Overhead Power Lines and nearby Metallic Pipelines”, International Symposium on Fundamentals of Electrical Engineering (ISFEE), ISBN: 978-1-4673-9575-5, Bucharest, Romania, June 30 – July 02, 2016. Doi: 10.1109/ISFEE.2016.7803231 WOS: 000392434400083	S.M. Stanisic, Z.R. Radakovic: „Method for Characterization of Soil Electrical Resistivity based on Wenner Measurements by Means of Nelder-Mead Algorithm and FEM Calculations”, Electrical Engineering, ISSN: 0948-7921, vol. 105, no. 6, pp. 4427-4441, December 2023. DOI: 10.1007/s00202-023-01950-z, WOS:001044317400004	4	1.25
A3.1.80	I.A. Iancu, P. Hendriyk, D.D. Micu, D. Șteț, L. Czumbil, Ș.D. Cîrstea: „The Influence of Cultural Factors on Choosing Low-Emission Passenger Cars”, Sustainability, ISSN: 2071-1050, vol. 15, no. 8, art. no. 6848, 2023. Doi: 10.3390/su15086848, WOS: 000984041500001	W. Chu, M. Vicidomini, F. Calise, N. Duić, P.A. Østergaard, Q. Wang, M. da Gra Carvalho: „Review of Hot Topics in the Sustainable Development of Energy, Water, and Environment Systems Conference in 2022”, Energies, ISSN: 1996-1073, vol. 16, no. 23, art. no. 7897, 2023. DOI: 10.3390/en16237897, WOS:001117959800001	6	0.83
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A3.1.94	D.D. Micu, B. Bărgăuan, A. Ceclan, D. Șteț, L. Czumbil, A. Căținean, A. Polycarpou: „On a Demand Response Pilot Demonstration in the Technical University of Cluj-Napoca”, 9th International Conference and Exposition on Electrical and Power Engineering (EPE), ISBN: 978-1-5090-6128-0, pp. 785-791, Iași, Romania, October 20-22, 2016. DOI: 10.1109/ICEPE.2016.7781445 WOS: 000390706300155	M.R. Maghami, J. Pasupuleti, J. Ekanayake: "Energy storage and demand response as hybrid mitigation technique for photovoltaic grid connection: Challenges and future trends", JOURNAL OF ENERGY STORAGE, ISSN: 2352-152X, vol. 88, art. No. 111680, May, 2024, DOI10.1016/j.est.2024.111680, WOS:001229722400001	7	0.71
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A3.1.97	L. Czumbil, D.D. Micu, D. Șteț, A. Ceclan: „A Neural Network approach for the Inductive Coupling between Overhead Power Lines and nearby Metallic Pipelines”, International Symposium on Fundamentals of Electrical Engineering (ISFEE), ISBN: 978-1-4673-9575-5, Bucharest, Romania, June 30 – July 02, 2016. DOI: 10.1109/ISFEE.2016.7803231 WOS: 000392434400083	Z. Wróbel, R. Ziemba, R. Markowska, R. Mielnik: "Electromagnetic Impact of Overhead High-Voltage Lines during Power Transmission on Buried Signaling Cables of the Traffic Control Systems in Modernized Railway Lines", Energies, ISSN: 1996-1073, vol. 17, issue 11, art. no. 2554, Jun, 2024, DOI10.3390/en17112554, WOS:001245435900001	4	1.25
Total			8	103.56

3.2 Citări în revistele BDI și volumele conferințelor BDI **

Nr.	Articol citat (autori, revistă/ volum conferință/ an / pagini)	Articol care citează (autori, revistă BDI / volum conferință BDI/ an / pagini)	Număr de autori ai articolului citat	Punctaj
A3.2.1	D.D. Micu, L. Czumbil, A. Ceclan, E. Simion, D. Șteț, L. Cîmpan: „ <i>Neural Network Evaluation of Electromagnetic Interference between HV Power Lines and underground Metallic Pipelines</i> ”, Journal of Electrical and Electronics Engineering, ISSN: 1844-6035, vol. 2, no. 1, pp. 73-78, 2009.	T.O. Cujbă, C.D. Popa: „ <i>Considerations regarding Application of the Fourier theorem to Numerical Relays of Power Transformers</i> ”, Journal of Electrical and Electronics Engineering, ISSN: 1844-6035, vol. 4, no. 1, pp. 43-48, 2011. (Scopus, EBSCO)	6	0.50
A3.2.2	D. Șteț, L. Czumbil, L. Ancăs: „ <i>Investigation of Electromagnetic Interferences Issues</i> ”, 8th International Symposium on Advanced Topics in Electrical Engineering (ATEE), ISBN: 978-1-4673-5979-5, Bucharest, Romania, May 23-25, 2013. Doi: 10.1109/ATEE.2013.6563457 WOS: 000332928500111	J. Zhang, X. Wen, W. Li, H. Lu, Y. Liu: „ <i>Analysis of Electromagnetic Interference Effects on Gas Pipelines due to a Nearby Parallel UHV Transmission Line</i> ”, Lecture Notes in Electrical Engineering, ISSN: 1876-1100, vol. 334, pp. 441-447, 2015. DOI: 10.1007/978-3-319-13707-0_48 (Scopus)	3	1.00
A3.2.3	D.D Micu., L. Czumbil, G.C. Christoforidis, A. Ceclan, D. Șteț: „ <i>Evaluation of Induced AC Voltages in Underground Metallic Pipeline</i> ”, COMPEL: The International Journal for Computation and Mathematics in Electrical and Electronic Engineering, ISSN: 0332-1649, vol. 31, no. 4, pp.1133-1143, 2012. Doi: 10.1108/0332164121122737, WOS:000308896700009	A.A. Ponnle, K. Adedeji, B.T. Abe, A.A Jimoh: „ <i>Variation in Phase Shift of Multi-Circuits HVTLs Phase Conductor Arrangements on the Induced Voltage on Buried Pipeline: A Theoretical Study</i> ”, Progress in Electromagnetics Research B, ISSN: 1937-6472, vol. 69, pp. 75-86, 2016. DOI: 10.2528/PIERB16062308 (Scopus)	5	0.60
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A3.2.6	D.D Micu., L. Czumbil, G.C. Christoforidis, A. Ceclan, D. Șteț: „ <i>Evaluation of Induced AC Voltages in Underground Metallic Pipeline</i> ”, COMPEL: The International Journal for Computation and Mathematics in Electrical and Electronic Engineering, ISSN: 0332-1649, vol. 31, no. 4, pp.1133-1143, 2012. Doi: 10.1108/0332164121122737, WOS:000308896700009	N. Wang, L. Zhang, Y. Shi, R. Lai, H. Huang, Q. Xie: „ <i>Simulation Study of Electromagnetic Influence from UHVDC Transmission Line on Buried Oil/Gas Pipeline</i> ”, Gaoya Dianqi/High Voltage Apparatus, ISSN: 1001-1609, vol. 52, no. 10, pp. 124-129, October, 2016. DOI: 10.13296/j.1001-1609.hva.2016.10.021 (Scopus)	5	0.60
A3.2.7	L. Czumbil, D. Șteț, D.D. Micu, V. Țopa, L. Ancăs: „ <i>Induced Voltage and Current Computation for Different HVPL Operating Conditions</i> ”, International Symposium on Electromagnetic Compatibility (EMC Europe), ISBN: 978-1-4673-0718-5, Rome, Italy, September 17-21, 2012. Doi: 10.1109/EMCEurope.2012.6396842,	N. Wang, L. Zhang, Y. Shi, R. Lai, H. Huang, Q. Xie: „ <i>Simulation Study of Electromagnetic Influence from UHVDC Transmission Line on Buried Oil/Gas Pipeline</i> ”, Gaoya Dianqi/High Voltage Apparatus, ISSN: 1001-1609, vol. 52, no. 10, pp. 124-129, October, 2016. DOI: 10.13296/j.1001-1609.hva.2016.10.021 (Scopus)	5	0.60
A3.2.8	D.D Micu., L. Czumbil, G.C. Christoforidis, A. Ceclan, D. Șteț: „ <i>Evaluation of Induced AC Voltages in Underground Metallic Pipeline</i> ”, COMPEL: The International Journal for Computation and Mathematics in Electrical and Electronic Engineering, ISSN: 0332-1649, vol. 31, no. 4, pp.1133-1143, 2012. Doi: 10.1108/0332164121122737, WOS:000308896700009	T.A. Papadopoulos, A. Chrysoschos, D.I. Doukas, G.K. Papagiannis, D.P. Labridis: „ <i>Induced Voltages and Currents: Overview and Evaluation of Simulation Models and Methodologies</i> ”, 10th Mediterranean Conference on Power Generation, Transmission, Distribution and Energy Conversion, (MedPower), Belgrade, Serbia, November 06-09, 2016. DOI: 10.1049/cp.2016.1023 (Scopus, IEEExplore)	5	0.60
A3.2.9	D. Șteț, D.D. Micu, L. Czumbil, L. Dărăbant, A. Ceclan: „ <i>Simulation of Interferences between Power Lines and Gas Pipelines in Unbalanced Phase Currents State</i> ”, COMPEL: The International Journal for Computation and Mathematics in Electrical and Electronic Engineering, ISSN: 0332-1649, vol. 31, no. 4, pp.1718-1189, 2012. Doi: 10.1108/03321641211227447, WOS:000308896700014	J. Dabkowski: „ <i>The Evolution of AC Predictive and Mitigation Software</i> ”, NACE - International Corrosion Conference Series, ISBN: 978-151084034-8, New Orleans, USA, March 26-30, 2015. (Scopus)	5	0.60
A3.2.10	D.D Micu., L. Czumbil, G.C. Christoforidis, A. Ceclan, D. Șteț: „ <i>Evaluation of Induced AC Voltages in Underground Metallic Pipeline</i> ”, COMPEL: The International Journal for Computation and Mathematics in Electrical and Electronic Engineering, ISSN: 0332-1649, vol. 31, no. 4, pp.1133-1143, 2012. Doi: 10.1108/0332164121122737, WOS:000308896700009	I. Lingvay, O. Tănăsescu, L. Radermacher, A.T. Matei, D. Lingvay, A.M. Bors: „ <i>High Performance Electrical Insulation Elements for Gas Installations (Elemente de Izolare Electrică Performante Destinate Instalațiilor de Gaze)</i> ”, EEA - Electrotehnica, Electronica, Automatica, ISSN: 1582-5175, vol. 65, no. 3, pp. 5-10, July, 2017. (Scopus)	5	0.60
A3.2.11	D. Șteț, D.D. Micu, L. Czumbil, L. Dărăbant, A. Ceclan: „ <i>Simulation of Interferences between Power Lines and Gas Pipelines in Unbalanced Phase Currents State</i> ”, COMPEL: The International Journal for Computation and Mathematics in Electrical and Electronic Engineering, ISSN: 0332-1649, vol. 31, no. 4, pp.1718-1189, 2012. Doi: 10.1108/03321641211227447, WOS:000308896700014	I. Lingvay, O. Tănăsescu, L. Radermacher, A.T. Matei, D. Lingvay, A.M. Bors: „ <i>High Performance Electrical Insulation Elements for Gas Installations (Elemente de Izolare Electrică Performante Destinate Instalațiilor de Gaze)</i> ”, EEA - Electrotehnica, Electronica, Automatica, ISSN: 1582-5175, vol. 65, no. 3, pp. 5-10, July, 2017. (Scopus)	5	0.60

A3.2.12	L. Czumbil, D.D. Micu, D. Șteț, A. Ceclan: „A Neural Network approach for the Inductive Coupling between Overhead Power Lines and nearby Metallic Pipelines”, International Symposium on Fundamentals of Electrical Engineering (ISFEE), ISBN: 978-1-4673-9575-5, Bucharest, Romania, June 30 – July 02, 2016. Doi: 10.1109/ISFEE.2016.7803231 WOS: 000392434400083	I. Lingvay, O. Tănăsescu, L. Radermacher, A.T. Matei, D. Lingvay, A.M. Bors: „High Performance Electrical Insulation Elements for Gas Installations (Elemente de Izolare Electrică Performante Destinate Instalațiilor de Gaze)”, EEA - Electrotehnica, Electronica, Automatica, ISSN: 1582-5175, vol. 65, no. 3, pp. 5-10, July, 2017. (Scopus)	4	0.75
A3.2.13	L. Czumbil, D.D. Micu, C. Munteanu, D. Șteț: „Optimization of Pipeline-Overhead Line Right-of-Way using Genetic Algorithms”, 9th International Symposium on Advanced Topics in Electrical Engineering (ATEE), ISBN: 978-1-4799-7514-3, pp. 531-534, Bucharest, Romania, May 07-09, 2015. Doi: 10.1109/ATEE.2015.7133865 WOS:000368159800100	I. Lingvay, O. Tănăsescu, L. Radermacher, A.T. Matei, D. Lingvay, A.M. Bors: „High Performance Electrical Insulation Elements for Gas Installations (Elemente de Izolare Electrică Performante Destinate Instalațiilor de Gaze)”, EEA - Electrotehnica, Electronica, Automatica, ISSN: 1582-5175, vol. 65, no. 3, pp. 5-10, July, 2017. (Scopus)	4	0.75
A3.2.14	D. Șteț, D.D. Micu, L. Czumbil, B. Manea: „Case Studies on Electromagnetic Interference between HVPL and Buried Pipelines”, International Conference and Exposition on Electrical and Power Engineering (EPE), ISBN: 978-1-4799-5849-8, pp. 231-236, Iași, Romania, October 16-18, 2014. Doi: 10.1109/ICEPE.2014.6969903 WOS:000353565300038	I. Lingvay, O. Tănăsescu, L. Radermacher, A.T. Matei, D. Lingvay, A.M. Bors: „High Performance Electrical Insulation Elements for Gas Installations (Elemente de Izolare Electrică Performante Destinate Instalațiilor de Gaze)”, EEA - Electrotehnica, Electronica, Automatica, ISSN: 1582-5175, vol. 65, no. 3, pp. 5-10, July, 2017. (Scopus)	4	0.75
A3.2.15	D. Șteț, L. Czumbil, D.D. Micu, O. Miron: „Corrosion Evaluation and Mitigation on Metallic Pipelines”, International Conference and Exposition on Electrical and Power Engineering (EPE), ISBN: 978-1-4673-1173-1, pp. 554-559, Iași, Romania, October 25-27, 2012. Doi: 10.1109/ICEPE.2012.6463875 WOS:00032468530009	I. Lingvay, O. Tănăsescu, L. Radermacher, A.T. Matei, D. Lingvay, A.M. Bors: „High Performance Electrical Insulation Elements for Gas Installations (Elemente de Izolare Electrică Performante Destinate Instalațiilor de Gaze)”, EEA - Electrotehnica, Electronica, Automatica, ISSN: 1582-5175, vol. 65, no. 3, pp. 5-10, July, 2017. (Scopus)	4	0.75
A3.2.16	D.D. Micu., L. Czumbil, G.C. Christoforidis, A. Ceclan, D. Șteț: „Evaluation of Induced AC Voltages in Underground Metallic Pipeline”, COMPEL: The International Journal for Computation and Mathematics in Electrical and Electronic Engineering, ISSN: 0332-1649, vol. 31, no. 4, pp.1133-1143, 2012. Doi: 10.1108/0332164121122737, WOS:000308896700009	D. Marin, V. Stănoi, G. Oprina, I. Badea, T. Nicoară, I. Pătru, A.T. Matei: „Behaviour of Mineral Oils Compared to Vegetable Oils in Electric Transformers (Comportarea în Transformatoarele Electrice a Uleiurilor Minerale în Comparare cu Uleiurile Vegetale)” Electrotehnica, Electronica, Automatica (EEA), ISSN 1582)5175, vol. 65, no. 4, pp. 101-107, 2017. (Scopus)	5	0.60
A3.2.17	D. Șteț, D.D. Micu, L. Czumbil, L. Dărăbant, A. Ceclan: „Simulation of Interferences between Power Lines and Gas Pipelines in Unbalanced Phase Currents State”, COMPEL: The International Journal for Computation and Mathematics in Electrical and Electronic Engineering, ISSN: 0332-1649, vol. 31, no. 4, pp.1718-1189, 2012. Doi: 10.1108/03321641211227447, WOS:000308896700014	D. Marin, V. Stănoi, G. Oprina, I. Badea, T. Nicoară, I. Pătru, A.T. Matei: „Behaviour of Mineral Oils Compared to Vegetable Oils in Electric Transformers (Comportarea în Transformatoarele Electrice a Uleiurilor Minerale în Comparare cu Uleiurile Vegetale)” Electrotehnica, Electronica, Automatica (EEA), ISSN 1582)5175, vol. 65, no. 4, pp. 101-107, 2017. (Scopus)	5	0.60
A3.2.18	D. Șteț, L. Czumbil, L. Ancăș: „Investigation of Electromagnetic Interferences Issues”, 8th International Symposium on Advanced Topics in Electrical Engineering (ATEE), ISBN: 978-1-4673-5979-5, Bucharest, Romania, May 23-25, 2013. Doi: 10.1109/ATEE.2013.6563457 WOS: 000332928500111	M. Arhip-Calin, I. Tristiu, S. Ganatsios: „Analysis of Energy Efficient Solutions for Electric Transportation of Smart Cities”, International Symposium on Fundamentals of Electrical Engineering (ISFEE), eISBN: 978-1-5386-7212-9, Bucharest, Romania, November 1-3, 2018. Doi: 10.1109/ISFEE.2018.8742462 (IEEEExplore)	3	1.00
A3.2.19	L. Czumbil, D. Șteț, D.D. Micu, V. Topa, L. Ancăș: „Stream Gas Pipeline in Proximity of High Voltage Power Lines. Part II - Induced Voltage Evaluation”, 47th International Universities' Conference on Power Energy (UPEC), ISBN: 978-1-4673-2854-8, London, UK, September 04-07, 2012. Doi: 10.1109/UPEC.2012.6398444	R. Phalavi, M.A. Salam, Q.M. Rahman, F. Wen, S.P. Ang, O. Malik, S. Hasan, W. Voon: „Induced Voltage and Current Estimation on Pipelines near High Voltage Transmission Lines”, 7th Brunei International Conference on Engineering and Technology (BICET), eISBN: 978-1-83953-002-9, Bandar Seri Begawan, Brunei, November 12-14, 2018. Doi: 10.1049/cp.2018.1536 (IEEEExplore)	5	0.60
A3.2.20	D.D. Micu, G.C. Christoforidis, L. Czumbil: „AC Interference on Pipelines due to Double Circuit Power Lines: A detailed study”, Electric Power System Research, ISSN: 0378-7796, vol. 103, pp. 1-8, 2013. Doi: 10.1016/j.epsr.2013.04.008, WOS:000322939700002	K.B. Adedeji, A.A. Ponnle, B.T. Abe, A.A. Jimoh, A.M. Abu-Mahfouz, Y. Hamam: „A Review of the Effect of AC/DC Interference on Corrosion and Cathodic Protection Potentials of Pipelines”, International Review of Electrical Engineering, ISSN: 1827-6660, vol. 13, no. 6, pp. 495-508, 2018. DOI: 10.15866/iree.v13i6.15766 (Scopus)	3	1.00
A3.2.21	D.D. Micu, G.C. Christoforidis, L. Czumbil: „AC Interference on Pipelines due to Double Circuit Power Lines: A detailed study”, Electric Power System Research, ISSN: 0378-7796, vol. 103, pp. 1-8, 2013. Doi: 10.1016/j.epsr.2013.04.008, WOS:000322939700002	L. Radermacher, D. Lingvay, A.M. Bors, N.O. Nicula Butoi, D. Marin: „Sustainable and Safe in Exploitation of Gas Networks. Part 2. Stress Factors of Metallic Pipelines”, EEA - Electrotehnica, Electronica, Automatica, ISSN: 1582-5175, vol. 7, no. 1, pp. 68-75, 2019. (Scopus)	3	1.00
A3.2.22	L. Czumbil, D.D. Micu, D. Șteț, A. Ceclan: „A Neural Network approach for the Inductive Coupling between Overhead Power Lines and nearby Metallic Pipelines”, International Symposium on Fundamentals of Electrical Engineering (ISFEE), ISBN: 978-1-4673-9575-5, Bucharest, Romania, June 30 – July 02, 2016. Doi: 10.1109/ISFEE.2016.7803231 WOS: 000392434400083	L. Radermacher, D. Lingvay, A.M. Bors, N.O. Nicula Butoi, D. Marin: „Sustainable and Safe in Exploitation of Gas Networks. Part 2. Stress Factors of Metallic Pipelines”, EEA - Electrotehnica, Electronica, Automatica, ISSN: 1582-5175, vol. 7, no. 1, pp. 68-75, 2019. (Scopus)	4	0.75
A3.2.23	L. Czumbil, D.D. Micu, C. Munteanu, D. Șteț, B. Tomoiogă: „Optimal Design of the Pipeline Right-of-Way Nearby High Voltage Transmission Lines using Genetic Algorithms”, 50th International Universities Power Engineering Conference (UPEC), ISBN: 978-1-4673-9682-0, Stoke on Trent, UK, September 01-04, 2015. Doi: 10.1109/UPEC.2015.7339841 WOS:000377369500082	L. Radermacher, D. Lingvay, A.M. Bors, N.O. Nicula Butoi, D. Marin: „Sustainable and Safe in Exploitation of Gas Networks. Part 2. Stress Factors of Metallic Pipelines”, EEA - Electrotehnica, Electronica, Automatica, ISSN: 1582-5175, vol. 7, no. 1, pp. 68-75, 2019. (Scopus)	5	0.60

A3.2.24	D. Şteţ, D.D. Micu, L. Czumbil, B. Manea: „Case Studies on Electromagnetic Interference between HVPL and Buried Pipelines”, International Conference and Exposition on Electrical and Power Engineering (EPE), ISBN: 978-1-4799-5849-8, pp. 231-236, Iaşi, Romania, October 16-18, 2014. Doi: 10.1109/ICEPE.2014.6969903 WOS:000353565300038	L. Radermacher, D. Lingvay, A.M. Bors, N.O. Nicula Butoi, D. Marin: „Sustainable and Safe in Exploitation of Gas Networks. Part 2. Stress Factors of Metallic Pipelines”, EEA - Electrotehnica, Electronica, Automatica, ISSN: 1582-5175, vol. 7, no. 1, pp. 68-75, 2019. (Scopus)	4	0.75
A3.2.25	D.D. Micu, G.C. Christoforidis, L. Czumbil: „AC Interference on Pipelines due to Double Circuit Power Lines: A detailed study”, Electric Power System Research, ISSN: 0378-7796, vol. 103, pp. 1-8, 2013. Doi: 10.1016/j.epsr.2013.04.008, WOS:000322939700002	G. Dushimimana, P. Simiyu, V. Ndayishimiye, E. Niringiyimana, S. Bikorimana: „Induced Electromagnetic Field on Underground Metal Pipelines Running Parallel to nearby High Voltage AC Power Lines”, 4th International Conference on Sustainable and Renewable Energy Engineering (ICSREE 2019), Beijing, China, May 11-13, published in E3S Web Conferences, eISSN: 2267-1242, 2019. DOI: 10.1051/e3sconf/201910702004 (Scopus)	3	1.00
A3.2.26	D. Şteţ, D.D. Micu, L. Czumbil, L. Dărăbant, A. Ceclan: „Simulation of Interferences between Power Lines and Gas Pipelines in Unbalanced Phase Currents State”, COMPEL: The International Journal for Computation and Mathematics in Electrical and Electronic Engineering, ISSN: 0332-1649, vol. 31, no. 4, pp.1718-1189, 2012. Doi: 10.1108/03321641211227447, WOS:000308896700014	G. Dushimimana, P. Simiyu, V. Ndayishimiye, E. Niringiyimana, S. Bikorimana: „Induced Electromagnetic Field on Underground Metal Pipelines Running Parallel to nearby High Voltage AC Power Lines”, 4th International Conference on Sustainable and Renewable Energy Engineering (ICSREE 2019), Beijing, China, May 11-13, published in E3S Web Conferences, eISSN: 2267-1242, 2019. DOI: 10.1051/e3sconf/201910702004 (Scopus)	5	0.60
A3.2.27	D. Şteţ, L. Czumbil, D.D. Micu, O. Miron: „Corrosion Evaluation and Mitigation on Metallic Pipelines”, International Conference and Exposition on Electrical and Power Engineering (EPE), ISBN: 978-1-4673-1173-1, pp. 554-559, Iaşi, Romania, October 25-27, 2012. Doi: 10.1109/ICEPE.2012.6463875 WOS:000324685300009	G. Dushimimana, P. Simiyu, V. Ndayishimiye, E. Niringiyimana, S. Bikorimana: „Induced Electromagnetic Field on Underground Metal Pipelines Running Parallel to nearby High Voltage AC Power Lines”, 4th International Conference on Sustainable and Renewable Energy Engineering (ICSREE 2019), Beijing, China, May 11-13, published in E3S Web Conferences, eISSN: 2267-1242, 2019. DOI: 10.1051/e3sconf/201910702004 (Scopus)	4	0.75
A3.2.28	L. Czumbil, D. Şteţ, D.D. Micu, V. Topa, L. Ancăş: „Stream Gas Pipeline in Proximity of High Voltage Power Lines. Part II - Induced Voltage Evaluation”, 47th International Universities' Conference on Power Energy (UPEC), ISBN: 978-1-4673-2854-8, London, UK, September 04-07, 2012. Doi: 10.1109/UPEC.2012.6398444	G. Dushimimana, P. Simiyu, V. Ndayishimiye, E. Niringiyimana, S. Bikorimana: „Induced Electromagnetic Field on Underground Metal Pipelines Running Parallel to nearby High Voltage AC Power Lines”, 4th International Conference on Sustainable and Renewable Energy Engineering (ICSREE 2019), Beijing, China, May 11-13, published in E3S Web Conferences, eISSN: 2267-1242, 2019. DOI: 10.1051/e3sconf/201910702004 (Scopus)	5	0.60
A3.2.29	D. Şteţ, D.D. Micu, L. Czumbil, L. Ancăş: „Effects of Power Line Conditions on Nearby Gas Pipelines”, Buletinul AGIR, ISSN: 2247-3548, vol. XVII, no. 3, Special Issue: World Energy Systems. Towards Sustainable and Integrated Energy Systems, pp. 731-736., Suceava, Romania, June 28-30, 2012.	G. Dushimimana, P. Simiyu, V. Ndayishimiye, E. Niringiyimana, S. Bikorimana: „Induced Electromagnetic Field on Underground Metal Pipelines Running Parallel to nearby High Voltage AC Power Lines”, 4th International Conference on Sustainable and Renewable Energy Engineering (ICSREE 2019), Beijing, China, May 11-13, published in E3S Web Conferences, eISSN: 2267-1242, 2019. DOI: 10.1051/e3sconf/201910702004 (Scopus)	4	0.75
A3.2.30	L. Czumbil, Ş.F. Braicu, D.D. Micu, D. Şteţ, A. Ceclan: „Analysis of Load Flow and Short-Circuit Issues in a Retrofitted 110/20 kV Romanian Substation”, 14th International Conference on Engineering of Modern Electric Systems (EMES), ISBN: 978-1-5090-6073-3, Oradea, Romania, June 1-2, 2017. Doi: 10.1109/EMES.2017.7980371 WOS:000427085200004	S. Uppala, S.V.S.P. Kumar: „Fault Examination of a 400kV Switchyard of 500MW Thermal Power Plant”, International Journal of Engineering and Advanced Technology (IJEAT), ISSN: 2249-8958, vol. 8, no. 6S3, pp. 772-775, September 2019. DOI: 10.35940/ijeat.F1145.09865319 (Scopus)	5	0.60
A3.2.31	Ş.F. Braicu, L. Czumbil, D. Şteţ, D.D. Micu: „Evaluation of the Electric and Magnetic Field Near High Voltage Power Lines”, IFMBE Proceedings, ISSN: 1680-0737, vol. 59, pp. 141-146, 2017, presented at 5th International Conference on Advancements of Medicine and Health Care through Technology (MEDITECH), Cluj-Napoca, Romania, October 12-15, 2016. Doi: 10.1007/978-3-319-52875-5_32 WOS:000426009100032	S. Vornicu, E. Lunca, A. Salceanu: „ANSYS Maxwell Finite Element Model for 2D Computation of the Magnetic Field Generated by Overhead High-Voltage Power Lines”, International Conference on Electromechanical and Energy Systems (SIEMEN), ISBN: 978-1-7281-4010-0, October 9-11, 2019. DOI: 10.1109/SIEMEN.2019.8905807 (IEEEXplore)	4	0.75
A3.2.32	Ş.F. Braicu, L. Czumbil, D. Şteţ, D.D. Micu: „Evaluation of the Electric and Magnetic Field Near High Voltage Power Lines”, IFMBE Proceedings, ISSN: 1680-0737, vol. 59, pp. 141-146, 2017, presented at 5th International Conference on Advancements of Medicine and Health Care through Technology (MEDITECH), Cluj-Napoca, Romania, October 12-15, 2016. Doi: 10.1007/978-3-319-52875-5_32 WOS:000426009100032	E. Lunca, S. Vornicu, I. Pavel, M. Andruşca: „Measurement and Numerical Simulation of the Low-Frequency Electric Field Generated by an Overhead Power Line”, International Conference and Exposition on Electrical and Power Engineering (EPE), ISBN: 978-1-6654-8994-2, Iaşi, Romania, October 20-22, 2022. DOI: 10.1109/EPE56121.2022.9959872 (IEEEXplore)	4	0.75
A3.2.33	D.D. Micu, Ş.F. Braicu, L. Czumbil, D. Şteţ: „Load Flow and Short-Circuit Analysis in a Romanian 110/20 kV Retrofitted Substation”, 51st International Universities Power Engineering Conference, (UPEC), ISBN: 978-1-5090-4650-8, Coimbra, Portugal, September 06-09, 2016. Doi: 10.1109/UPEC.2016.8114111 WOS:00046689440013	U. Rani, A. Vij: „An Instructional Approach to Power System Operations Utilizing Load Flow Simulations”, International Conference on Futuristic Technologies (INCOFT), ISBN: 978-1-6654-5046-1, Belgaum, India, November 25-27, 2022. DOI: 10.1109/INCOFT55651.2022.10094416 (IEEEXplore)	4	0.75
A3.2.34	L. Czumbil, Ş.F. Braicu, D.D. Micu, D. Şteţ, A. Ceclan: „Analysis of Load Flow and Short-Circuit Issues in a Retrofitted 110/20 kV Romanian Substation”, 14th International Conference on Engineering of Modern Electric Systems (EMES), ISBN: 978-1-5090-6073-3, Oradea, Romania, June 1-2, 2017. Doi: 10.1109/EMES.2017.7980371 WOS:000427085200004	M.K. Mohammed, M.Q. Taha, F.F. Salih, F.N. Saeed: „Optimization and Fault Diagnosis of 132 kV Substation Low-Voltage System using Electrical Transient Analyzer Program”, International Journal of Electrical and Computer Engineering, ISSN: 2088-8708, vol. 13, no. 3, pp. 2375-2383, June 2023. DOI: 10.11591/ijece.v13i3.pp2375-2383 (Scopus)	5	0.60

A3.2.35	B. Bărgăuan, M. Crețu, O. Fati, A. Ceclan, L. Dărăbant, D.D. Micu, D. Șteț, L. Czumbil: „Energy Management System for the Demand Response in TUCN Buildings”, 53rd International Universities Power Engineering Conference (IUPEC), ISBN: 978-1-5386-2910-9, Glasgow, UK, September 4-7, 2018. Doi: 10.1109/IUPEC.2018.8541949 WOS: 000468972100095	M.A. Luca, M. Gavrițaș, O. Ivanov, B.C. Neagu: „Efficient Operation Approach of Microgrids Enriched with Prosumers and Storage Systems”, 10th International Conference on Modern Power Systems (MPS2023), ISBN: 979-8-3503-2682-6, Cluj-Napoca, Romania, June 21-23, 2023. DOI: 110.1109/MPSS58874.2023.10187493 (IEEE Xplore)	8	0.38
A3.2.36	B. Bărgăuan, O. Fati, A. Ceclan, D.D. Micu, D. Șteț, L. Czumbil, P. Mureșan: „Demand Response on Blocks of Buildings – Romanian Pilot Site Innovation Project”, 7th International Conference on Modern Power Systems (MPS), ISBN: 978-1-5090-6565-3, Cluj-Napoca, Romania, June 6-9, 2017. Doi: 10.1109/MPSS.2017.7974433 WOS: 000428462600061	M.A. Luca, M. Gavrițaș, O. Ivanov, B.C. Neagu: „Efficient Operation Approach of Microgrids Enriched with Prosumers and Storage Systems”, 10th International Conference on Modern Power Systems (MPS2023), ISBN: 979-8-3503-2682-6, Cluj-Napoca, Romania, June 21-23, 2023. DOI: 110.1109/MPSS58874.2023.10187493 (IEEE Xplore)	7	0.43
A3.2.37	D. Șteț, D.D. Micu, L. Czumbil, L. Dărăbant, A. Ceclan: „Simulation of Interferences between Power Lines and Gas Pipelines in Unbalanced Phase Currents State”, COMPEL: The International Journal for Computation and Mathematics in Electrical and Electronic Engineering, ISSN: 0332-1649, vol. 31, no. 4, pp.1718-1189, 2012. Doi: 10.1108/03321641211227447, WOS: 000308896700014	L. Klavuts, D.A. Klavuts: „A New Method and Device of Voltage Normalization in Electric Grids”, 10th International Conference on Modern Power Systems (MPS2023), ISBN: 979-8-3503-2682-6, Cluj-Napoca, Romania, June 21-23, 2023. DOI: 10.1109/MPSS58874.2023.10187502 (IEEE Xplore)	5	0.60
A3.2.38	D. Șteț, D.D. Micu, L. Czumbil, L. Dărăbant, A. Ceclan: „Simulation of Interferences between Power Lines and Gas Pipelines in Unbalanced Phase Currents State”, COMPEL: The International Journal for Computation and Mathematics in Electrical and Electronic Engineering, ISSN: 0332-1649, vol. 31, no. 4, pp.1718-1189, 2012. Doi: 10.1108/03321641211227447, WOS: 000308896700014	S. Tanzil, M. Rahman, T. Fazal: „Electrical Grounding Design of a Wind Turbine”, 10th International Conference on Modern Power Systems (MPS2023), ISBN: 979-8-3503-2682-6, Cluj-Napoca, Romania, June 21-23, 2023. DOI: 10.1109/MPSS58874.2023.10187472 (IEEE Xplore)	5	0.60
A3.2.39	D.D. Micu, B. Bărgăuan, A. Ceclan, D. Șteț, L. Czumbil, A. Cățean, A. Polycarpou: „On a Demand Response Pilot Demonstration in the Technical University of Cluj-Napoca”, 9th International Conference and Exposition on Electrical and Power Engineering (EPE), ISBN: 978-1-5090-6128-0, pp. 785-791, Iași, Romania, October 20-22, 2016. Doi: 10.1109/ICEPE.2016.7781445 WOS: 000390706300155	S. Tanzil, M. Rahman, T. Fazal: „Electrical Grounding Design of a Wind Turbine”, 10th International Conference on Modern Power Systems (MPS2023), ISBN: 979-8-3503-2682-6, Cluj-Napoca, Romania, June 21-23, 2023. DOI: 10.1109/MPSS58874.2023.10187472 (IEEE Xplore)	7	0.43
A3.2.40	L. Czumbil, D.D. Micu, D. Șteț, A. Ceclan: „A Neural Network approach for the Inductive Coupling between Overhead Power Lines and nearby Metallic Pipelines”, International Symposium on Fundamentals of Electrical Engineering (ISFEE), ISBN: 978-1-4673-9575-5, Bucharest, Romania, June 30 – July 02, 2016. Doi: 10.1109/ISFEE.2016.7803231 WOS: 000392434400083	S. Tanzil, M. Rahman, T. Fazal: „Electrical Grounding Design of a Wind Turbine”, 10th International Conference on Modern Power Systems (MPS2023), ISBN: 979-8-3503-2682-6, Cluj-Napoca, Romania, June 21-23, 2023. DOI: 10.1109/MPSS58874.2023.10187472 (IEEE Xplore)	4	0.75
A3.2.41	D. Șteț, D.D. Micu, L. Czumbil, L. Dărăbant, A. Ceclan: „Simulation of Interferences between Power Lines and Gas Pipelines in Unbalanced Phase Currents State”, COMPEL: The International Journal for Computation and Mathematics in Electrical and Electronic Engineering, ISSN: 0332-1649, vol. 31, no. 4, pp.1718-1189, 2012. Doi: 10.1108/03321641211227447, WOS: 000308896700014	A. Polycarpou, M. Komodromos, K. Kalli, M.C. Argyrou, A. Ioannou: „Equipment Parameter Investigation for a Proposed Power Conductor Hot Spot Identification System”, 10th International Conference on Modern Power Systems (MPS2023), ISBN: 979-8-3503-2682-6, Cluj-Napoca, Romania, June 21-23, 2023. DOI: 10.1109/MPSS58874.2023.10187518 (IEEE Xplore)	5	0.60
A3.2.42	T. Farkas, C.M. Mureșan, D. Șteț, L. Czumbil, A. Ceclan, D.D. Micu: „The Impact of an Energy Efficiency Action Plan for an Energy-Intensive SME in Romania – A Case Study”, 2nd International Conference on Energy Transition in the Mediterranean Area (SyNERGY MED), ISBN: 978-1-6654-6107-8, Thessaloniki, Greece, October 17-19, 2022. DOI: 10.1109/SyNERGYMED55767.2022.9941445	P. Stanchev, G. Vacheva, N. Hinov: „Evaluation and Measures for Improving the Energy Efficiency of Medium-Sized Enterprises”, Eight Junior Conference on Lighting (Lighting), ISBN: 979-8-3503-2829-5, Sozopol, Bulgaria, September 23-25, 2023. DOI: 10.1109/Lighting59819.2023.10299491 (IEEE Xplore)	6	0.50
Total			28.23	

3.3 Prezentări invitate în plenul unor manifestări științifice naționale și internaționale și Profesor invitat (exclusiv POS, ERASMUS)

Nr.	Manifestarea științifică în cadrul căreia a fost prezentată lucrarea invitată / Universitatea unde s-a efectuat stagiul de Profesor invitat	Locația și data desfășurării manifestării științifice / Perioada efectuării stagiului de Profesor invitat	Dovada	Punctaj
A3.3.1	Sustinere activitati didactice în cadrul disciplinei de master (IRMGR 42118) - Smart grids technology and applications, în cadrul programului THE EDUCATION, SCHOLARSHIPS, APPRENTICESHIPS AND YOUTH ENTREPRENEURSHIP PROGRAMME (ESAYEP) EEAGRANTS 2014-2021	Østfold University College, Norvegia - Department of Engineering, în perioada 21/08/2022 - 26/08/2022, în baza Dispoziției UTCN Nr. 573 din data 26.07.2022.	A3.3.1 CERTIFICATE OF ATTENDANCE.pdf	20
Total			20	

3.4 Membru în colectivele de redacție sau comitete științifice ale revistelor și manifestărilor științifice, organizator de manifestări științifice, recenzor pentru reviste

Nr.	Membru în colectiv redacție /comitet științific revistă / manifestare științifică sau organizator manifestare științifică sau recenzent lucrări revistă / manifestare științifică	Denumire revistă/ manifestare științifică, ISSN	Anul	Dovada	Punctaj
1	Recenzor	Energies, Electronics MDPI	2024	Certificate	30
2	Recenzor	FIE2024 (Frontiers in Education 2024, WASHINGTON DC, USA)	2024	Review report	6
3	Recenzor	MPS2023 (International Conference on Engineering of Modern Electric Systems)	2023	Review report	48
4	Recenzor	CEEEP2023 (The Seventh International Conference on Energy Engineering and Environmental Protection 19/11/2022 - 21/11/2022 Zhuhai, China)	2022	Review report	3
5	Recenzor	EHB@Web 2021 (e-Health and Bioengineering)	2022	Review report	24
6	Membru Colectiv de Organizare	MPS (The 9th International Conference on Modern Power Systems)	2021 si 2023	https://et.utcluj.ro/mps/	12
7	Recenzor	MPS2021(The 9th International Conference on Modern Power Systems)	2021	Review report	18
8	Recenzor	EHB@Web 2021 (e-Health and Bioengineering)	2021	Review report	12
9	Recenzor	EEEIC 2020 (International Conference on Environment and Electrical Engineering)	2020	Review report	30
10	Recenzor	Transactions on Education	2020	Review report	10
11	Recenzor	MPS2019 (International Conference on Engineering of Modern Electric Systems)	2019	Review report	36
12	Recenzor	ICEMES2019 (15th International Conference on Engineering of Modern Electric Systems)	2019	Review report	12
13	Recenzor	ATEE2019 (International Symposium on Advanced Topics in Electrical Engineering)	2019	Review report	24
14	Recenzor	IET Science, Measurement & Technology	2017	Review report	10
15	Recenzor	Applied Energy, Elsevier	2018	Review report	10
16	Recenzor	EMES 2017 (14th International Conference on Engineering of Modern Electric Systems), Oradea, Romania, June 1-2, 2017	2016	Review report	18
17	Membru Colectiv de Organizare	International Universities' Power Engineering Conference, UPEC 2014, Cluj-Napoca, Romania	2014		10
18	Recenzor	International Universities' Power Engineering Conference, UPEC 2014, Cluj-Napoca, Romania	2014	Review report	48
19	Membru Colectiv de Organizare	Meditech 2009 (International Conference on Advancements of Medicine and Health Care through Technology)	2007	http://www.meditech.utcluj.ro/	6
Total					367

3.5 Referent în comisii de doctorat

Nr.	Universitatea / IOSUD care a făcut numirea ca referent în Comisie de doctorat	Autorul, titlul și data susținerii publice a tezei de doctorat, pentru care a fost numit ca referent în Comisia de doctorat	Dovada	Punctaj
	Universitatea Tehnica din Cluj-Napoca	Alexandru Muresan, Electromagnetic Modeling Technique Applied to Transient Behavior of Gas Insulated Substation, 09.12.2020	https://iosud.utcluj.ro	5
Total				5

3.6 Premii

Nr.	Anul	Premiul	Dovada	Punctaj
A3.6.1	2019	Best European Energy Service Project granted to Technical University of Cluj-Napoca & Cluj-Napoca City Municipality by EU Commission in Brussels – February 2019 (MEMBRU IN ECHIPA DE IMPLEMENTARE A PROIECTULUI PREMIAT)	https://entrec.utcluj.ro/publications-awards/#awards	10
A3.6.2	2018	Institutional Energy Management Award granted to Technical University of Cluj-Napoca & Cluj-Napoca City Municipality by Association of Energy Engineers (AEE) on World Energy Engineering Congress - November 2018 (MEMBRU IN ECHIPA DE IMPLEMENTARE A PROIECTULUI PREMIAT)	https://entrec.utcluj.ro/publications-awards/#awards	10
A3.6.3	2008	Premiul II: Pentru proiecte de cercetare dezvoltare, acordat de MECT si ANCS, Proiect: Director Contract CEE, nr. 136/2006 (MEMBRU IN ECHIPA DE IMPLEMENTARE A PROIECTULUI PREMIAT)	https://entrec.utcluj.ro/publications-awards/#awards	5
Total				25

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

Nr.	Academia/ organizația/ asociația profesională de prestigiu/ organizația din domeniul educației și cercetării științifice	Dovada	Punctaj
A3.7.1	IEEE Romania section	A3.7.1 Certificate of membership IEEE.pdf	5
A3.7.2	IEEE Education Society	A3.7.2 Certificate of membership IEEE ES.pdf	5
A3.7.3	IEEE Women in Engineering	A3.7.3 Certificate of membership IEEE WIE.pdf	5
A3.7.4	ACER	https://www.acero.ro/mf1.htm	2
Total			17

Nr.	Consilii și organizații în domeniul educației și cercetării - conducere/ membru	Dovada	Punctaj
A3.7.5	Membru în Consiliul Facultății de Inginerie Electrică, Universitatea Tehnică din Cluj-Napoca (2016-2020)	www.ie.utcluj.ro	10
A3.7.6	Membru în Consiliul Facultății de Inginerie Electrică, Universitatea Tehnică din Cluj-Napoca (2020-2024)	www.ie.utcluj.ro	10
A3.7.7	Membru în Consiliul Facultății de Inginerie Electrică, Universitatea Tehnică din Cluj-Napoca (2024-prezent)	https://ie.utcluj.ro/consiliul-facultatii.html	10
A3.7.8	Membru în Consiliul Departamentului ETHM, Universitatea Tehnică din Cluj-Napoca 2024 - prezent	www.ie.utcluj.ro	10
Total			40