

Universitatea Politehnică Timișoara  
 Facultatea de Inginerie Hunedoara  
 Departamentul de Inginerie Electrică și Informatică Industrială  
 Candidat: **Deaconu Sorin Ioan**  
 Anul universitar: 2018-2019  
 Postul: **Abilitare în domeniul Inginerie Electrică**

1. Tabel cu structura activității candidatului										
COMISIA INGINERIE ELECTRICĂ - Fișa de verificare indeplinire standarde minime și obligatorii conform ordin nr. 6129 din 20.12.2016										
Nr. Crt.	Domeniul activității	Tipul activităților	Categoriile și restricții	Subcategoriile	Indicatori (K <sub>pi</sub> )	Nr. Realizat	Nr. Minim necesar	Punctaj realizat	Punctaj minim	Factor impact
0	1	2	3	4	5	6	7	8	9	10
1	Activitatea didactică / profesională (A <sub>1</sub> )	1.1 Cărți și capitole în cărți de specialitate	Cărți cu ISBN / capitole ca autor: Profesor minimum 4; Conferențiar minimum 2; CS I minimum 2; CS II minimum 1	1.1.1.1 Internaționale	nr. pagini / (2*nr. autori)	2	4	578,24	120	
				1.1.1..2 Nationale	nr. pagini / (5*nr. autori)	9				
				1.1.2.1 Internaționale	nr. pagini / (3*nr. autori)					
				1.1.2.2 Nationale	nr. pagini / (7*nr. autori)					
		1.2 Suport didactic	1.2.1 Suport de curs inclusiv electronic: Profesor minimum 2 din care 1 ca prim autor; Conferențiar minimum 1; CS I și CS II fără restricții		nr. pagini / (10*nr. autori)	7	2			
	1.2.2 Indrumare de laborator / aplicații: Profesor minimum 2 din care 1 ca prim autor; Conferențiar minimum 1; CS I și CS II fără restricții		nr. pagini / (20*nr. autori)	13	2 1					
		1.3 Coordonare programe de studii, organizare și coordonare programe de formare continuă și proiecte educaționale (POS, ERASMUS, ș.a.)	Punctaj unic pentru fiecare activitate		10	13				

2	Activitatea de cercetare (A <sub>2</sub> )	2.1 Articole în extenso în reviste cotate WOS Thomson-Reuters <sup>(1)</sup> , în volume proceedings indexate WOS Thomson-Reuters și brevete de invenție indexate WOS - Derwent	2.1.1 Profesor / CS I: minimum 10 articole din care minimum 4 ca prim autor și minimum 4 în reviste		(25+20*factor impact) <sup>(2)</sup> /	42	10	656,455	360	0,7	
			2.1.2 Conferențiar / CS II: minimum 7 articole din care minimum 2 ca prim autor și minimum 2 în reviste		nr.de autori						
		2.2 Articole în reviste și în volumele unor manifestări științifice indexate în alte baze de date internaționale (BDI <sup>(3)</sup> )	2.2.1 Profesor / CS I: minimum 20 articole din care minimum 5 în reviste		20 / nr.de autori	44	20				
			2.2.2 Conferențiar / 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					
		2.4 Granturi / proiecte câștigate prin competiție națională / internațională <sup>(4)</sup>	2.4.1 Director / Responsabil proiect partener: minimum 2 pentru Profesor / CS I; minimum 1 pentru Conferențiar / CS II	2.4.1.1 internaționale	20*ani de desfasurare						
				2.4.1.2 naționale	10*ani de desfasurare	2	2				
			2.4.2 Membru în echipă	2.4.2.1 internaționale	4*ani de desfasurare	2					
				2.4.2.2 naționale	2*ani de desfasurare	4					
		2.5 Contracte de cercetare / consultanță (valoare echivalentă de minim 2000 Euro)	2.5.1 Director / Responsabil proiect partener		5*ani de desfasurare	1					
			2.5.2 Membru în echipă		2*ani de desfasurare	2					
3		3.1 Citări în revistele WOS și volumele conferintelor WOS <sup>(5)</sup>	3.1.1 Profesor / CS I: minimum 10 citări		5 / nr. autori ai articolului	68	10	1480,70	120		
			3.1.2 Conferențiar / CS II: minimum 7 citări		cit						
		3.2 Citări în revistele BDI și volumele conferintelor BDI <sup>(5)</sup>	3.2.1 Profesor / CS I: minimum 20 citări		3 / nr. autori ai articolului	131	20				
			3.2.2 Conferențiar / CS II: minimum 10 citări		cit						
		3.3. Prezentari invitate în plenul unor manifestari	Punctaj unic pentru	3.3.1 internaționale	20	3					



## Sinteza indeplinire conditii minimale pentru ocupare post profesor si abilitare

<b>Conditii minimale (A1, A2, A3)</b>			
Nr. Crt.	Domeniul de activitate	Conditii Profesor / Abilitare	Realizat
1	Activitatea didactică / profesională (A1)	Minim 120 puncte	<b>578,24</b>
2	Activitatea de cercetare (A2)	Minim 360 puncte	<b>656,46</b>
3	Recunoașterea impactului activității (A3)	Minim 120 puncte	<b>1480,70</b>
	<b>TOTAL</b>	Minim 600 puncte	<b>2715,40</b>

<b>Hotărârea Senatului nr. 04/21.02.2013</b>			
		Conditii Minimale	Realizat
1	Media multianuala	8	<b>9,89</b>
2	Diploma inginer	8	<b>10</b>

<b>Impactul activitatii de cercetare</b>		
Factor de impact cumulat (din jurnale ISI):	<b>0,73</b>	
ISI h-index	<b>4</b>	<b>68 citări (fără autocitări)</b>
IEEE-Xplore	-	<b>91 citări (48 fără autocitări)</b>
SCOPUS h-index	<b>5</b>	<b>145 citări (78 fără autocitări)</b>
Google Scholar h-index	<b>9</b>	<b>270 citări (131 fără autocitări)</b>

**Lista de lucrări organizată pe structura tipului de activități prevăzute în Ordinul ministrului educației, cercetării, tineretului și sportului nr. 6129 din 20 decembrie 2016**

Nr. Crt	Autori	Titlu	Editura	ISBN/link	An aparitie	Nr Pag	Punctaj
<b>Cărți și capitole în cărți de specialitate</b>							
<b>A 1.1.1.1</b>		<b>Carti cu ISBN / capitole ca autor</b>	<b>Internaționale</b>				
1	S. I. Deaconu, V. Horga, M. Topor, F. Marignetti, L.N. Tutelea, I. Nucă	Lightweight high efficiency power train propulsion with axial flux machines for electric or hybrid vehicles. Capitol în cartea: New Trends in Electrical Vehicle Powertrains	IntechOpen London	978-953-51-6246-9	2018	20	1,667
2	M. A. Tir, F. Marignetti, S.I. Deaconu	Passive magnetic bearings. Capitol în cartea: Advances in Engineering Research	Nova Science Publishers New York	978-53614-2181 (e-book)	2018	24	4
<b>Total A1.1.1.1</b>							<b>5,667</b>
<b>A 1.1.1.2</b>		<b>Carti cu ISBN / capitole ca autor</b>	<b>Naționale</b>				
1	L.N. Tutelea, N. Muntean, S.I.Deaconu	Dual Stator Winding Induction Generator for Wind or Hydro Applications	Editura Politehnica Timisoara	978-606-35-0111-1	2017	186	12,4
2	S.I.Deaconu	Mașini electrice	Editura Politehnica Timisoara	978-606-35-0079-4	2016	446	89,2
3	L.N. Tutelea, S.I.Deaconu	Dual rotor single stator permanent magnet motors for hybrid electrical vehicles	Editura Politehnica Timisoara	978-606-554-861-9	2014	119	11,9
4	S.I.Deaconu	Mașini electrice de curent alternativ. Elemente fundamentale	Editura Politehnica Timisoara	978-973-625-738-4	2008	154	30,8
5	S.I.Deaconu	Elemente generale ale mașinilor electrice. Transformatorul și mașina de curent continuu	Editura Politehnica Timisoara	978-973-625-739-1	2008	141	28,2
6	G.N.Popa, I. Popa, S.I.Deaconu	Automate programabile în aplicații	Editura Mirton Timișoara	(10) 973-661-911-7, (13) 978-973-661-911-3	2006	290	19,33
7	S.I.Deaconu	Mașini și acționări electrice	Editura Politehnica Timisoara	973-625-200-0	2005	268	53,6

8	S.I.Deaconu	Maşini Electrice. Partea I	Editura Destin Deva	973-9105-38-6	2000	156	31,2
9	S. I. Deaconu, L. N Tutelea, A. Iagăr	Maşini Electrice. Aplicații	Editura Destin Deva	973-9105-34-3	2000	169	11,27
<b>Total A1.1.1.2</b>							<b>287,9</b>
<b>A1.2.1</b>		<b>Suport de curs -electronic</b>					
1	S.I.Deaconu	Acționări electrice		<a href="https://www">https://www</a>	2015	202	20,2
2	S.I.Deaconu	Convertoare statice performante		<a href="https://www">https://www</a>	2010	157	15,7
3	S.I.Deaconu	Sisteme avansate de maşini și acționări electrice		<a href="https://www">https://www</a>	2009	59	5,9
4	S.I.Deaconu	Vehicule electrice și hibride		<a href="https://www">https://www</a>	2016	96	9,6
5	S.I.Deaconu	Maşini și acționări electrice - pentru spec. IIND		<a href="https://www">https://www</a>	2014	204	20,4
6	S.I.Deaconu	Convertoare electromagnetice		<a href="https://www">https://www</a>	2014	442	44,2
7	S.I.Deaconu	Maşini și acționări electrice - pentru spec. AR		<a href="https://www">https://www</a>	2015	122	12,2
<b>Total A1.2.1</b>							<b>128,2</b>
<b>A1.2.2</b>		<b>Îndrumatoare de laborator/Aplicatii</b>					
1	S.I.Deaconu	Maşini electrice. Îndrumar de laborator	Litografia UPT		1996	90	4,5
2	S.I.Deaconu, C.M. Diniş	Acționări electrice. Îndrumar de laborator	Litografia UPT		1996	97	2,425
3	S.I.Deaconu, S. Anghel	Traucțiune electrică. Îndrumar de laborator	Litografia UPT		1996	58	1,45
4	S.I.Deaconu	Regimuri nesimetrice, speciale și tranzitorii ale maşinilor electrice. Îndrumar de laborator	Litografia UPT		1997	52	2,6
5	M.Delapeta, S.I.Deaconu, A. Iagăr	Aparate electrice. Îndrumar de laborator. Vol. I	Litografia UPT		1996	101	1,683
6	M.Delapeta, S.I.Deaconu, A. Iagăr	Aparate electrice. Îndrumar de laborator. Vol. II	Litografia UPT		1997	110	1,833
7	S. I. Deaconu, L. N. Tutelea, A. Iagăr	Maşini Electrice. Probleme. Vol. I	Litografia UPT		1998	99	1,65
8	S. I. Deaconu, L. N. Tutelea, A. Iagăr	Acționări cu Maşini de Curent Alternativ. Probleme,	Litografia UPT		1999	54	0,9
9	S. I. Deaconu, L. N. Tutelea, A. Iagăr	Elemente Generale ale Acționărilor Electrice. Acționări cu Maşini de Curent Continuu. Probleme,	Litografia UPT		1999	67	1,117
10	S. I. Deaconu, L. N. Tutelea	Maşini electrice.Regimuri simetrice și nesimetrice de funcționare.Îndrumar de laborator	Litografia UPT		1999	132	3,3

11	S. I. Deaconu, L. N. Tutelea, A. Iagăr	Mașini Electrice. Probleme. Vol. II	Litografia UPT		1999	82	1,367	
12	M.Delapeta, S.I.Deaconu, A. Iagăr	Echipamente electrice. Îndrumar de laborator. Vol. I	Litografia UPT		1999	97	1,617	
13	M.Delapeta, S.I.Deaconu, A. Iagăr	Echipamente electrice. Îndrumar de laborator. Vol. II	Litografia UPT		2000	122	2,033	
<b>Total A1.2.2</b>							<b>26,48</b>	
<b>A1.1.3</b>		<b>Organizare și coordonare programe de formare continuă</b>						
	<b>Coordonator</b>	<b>Denumirea programului</b>	<b>Locul de desfășurare</b>	<b>Tipul programului</b>	<b>Anul acreditării</b>	<b>Durata</b>	<b>Punctaj</b>	
1	S.I.Deaconu	Educație Tehnologică	Universitatea Politehnica Timișoara, Departamentul de Educație Permanentă	Postuniversitar	2001	4 semestre	10	
2	S.I.Deaconu	Calculatoare-Informatică	Universitatea Politehnica Timișoara, Departamentul de Educație Permanentă	Postuniversitar	2002	4 semestre	10	
3	S.I.Deaconu	Management, Marketing și Resurse Umane	Universitatea Politehnica Timișoara, Departamentul de Educație Permanentă	Postuniversitar	2004	2 semestre	10	
4	S.I.Deaconu	Metode Moderne de Construcție și Întreținere a Drumurilor	Universitatea Politehnica Timișoara, Departamentul de Educație Permanentă	Postuniversitar	2005	2 semestre	10	
5	S.I.Deaconu	Topografie, Cadastru General și Cadastru Agricol	Universitatea Politehnica Timișoara, Departamentul de Educație Permanentă	Postuniversitar	2005	2 semestre	10	
6	S.I.Deaconu	Automate programabile	Universitatea Politehnica Timișoara, Departamentul de Educație Permanentă	Postuniversitar	2005	2 semestre	10	
7	S.I.Deaconu	Management și Marketing	Universitatea Politehnica Timișoara, Departamentul de Educație Permanentă	Postuniversitar	2006	3 semestre	10	

8	S.I.Deaconu	Evaluarea Riscurilor pentru Securitate și Sănătate în Muncă	Universitatea Politehnica Timișoara, Departamentul de Educație Permanentă	Postuniversitar	2007	240 ore	10	
9	S.I.Deaconu	Construcții și Instalații în Construcții	Universitatea Politehnica Timișoara, Departamentul de Educație Permanentă	Postuniversitar	2008	3 semestre	10	
10	S.I.Deaconu	Managementul Securității și Sănătății în Muncă	Universitatea Politehnica Timișoara, Departamentul de Educație Permanentă	Postuniversitar	2008	240 ore	10	
11	S.I.Deaconu	Evaluarea Riscurilor de Accidentare și Înbolnăvire Profesională	Universitatea Politehnica Timișoara, Centrul de Studii Postuniversitare Hunedoara	Postuniversitar	2012	240 ore	10	
12	S.I.Deaconu	Management, Marketing și Resurse Umane	Universitatea Politehnica Timișoara, Centrul de Studii Postuniversitare Hunedoara	Postuniversitar	2013	2 semestre	10	
13	S.I.Deaconu	Management și Marketing	Universitatea Politehnica Timișoara, Centrul de Studii Postuniversitare Hunedoara	Postuniversitar	2013	3 semestre	10	
<b>Total A1.1.3</b>								<b>130</b>
<b>Total A1</b>								<b>578,2</b>



Nr. Crt	Autori	Titlul lucrării	Revista	Anul/ vol.	(Nr.)/ISS N/ISBN	Pag.	Factor de impact	Punctaj	Nr. Autori	Factor de impact propriu
<b>Articole în extenso în reviste cotate WOS Thomson-Reuters</b>										
1	S.I.Deaconu, G.N.Popa, A.I.Toma, M.Topor	Modeling and Experimental Analysis for Modernization of 100-t EAF	IEEE Transactions on Industry Applications, DOI 10.1109/TIA.2010.2072977, WOS	2010, 46(6)	0093-9994	2259-2266	1,204	12,27	4	0,301
2	S.I.Deaconu, M.Topor, G.N.Popa, D.Bistrian	Experimental Study And Comparative Analysis Of Transients Of Induction Motor With Soft Starter Startup	Advances in Electrical and Computer Engineering, DOI 10.4316/AECE.2010.03005, WOS	2010, Vol. 10, Issue 3	1582-7445	27-33	0,688	9,69	4	0,172
3	G.N.Popa, C.M. Diniş, S.I.Deaconu	Considerations on the Current Harmonics of Plate-Type Electrostatic Precipitators Power Supplies	ELEKTRONIKA IR ELEKTROTECHNIKA, DOI 10.5755/j01.eee.19.5.2344, WOS 000320496800006	2013, Vol.1 9, Issue 5	1392-1215	27-32	0,445	11,3	3	0,148333
4	G.N.Popa, I.Şora, C.M. Diniş, S.I.Deaconu	An Analysis on the Velocity of Dust Particles in the Plate-Type Electrostatic Precipitators Used in Thermoelectric Power Plants	Environment Protection Engineering, DOI: 10.5277/epe140107, WOS 000334143400007	2014, Vol. 40, No. 1	0324-8828	85-102	0,439	8,445	4	0,10975
<b>Total reviste cotate WOS Thomson-Reuters</b>								<b>41,705</b>	<b>Cumulat</b>	<b>0,731083</b>
<b>Articole în volume Proceedings indexate WOS Thomson-Reuters</b>										
	Autori	Titlul lucrării	Conferința	Anul/ vol.	(Nr.)/ISS N/ISBN	Pag.	Cod DOI/W	Punctaj	Nr. Autori	
1	S.I. Deaconu, G.N. Popa, C.D. Cuntan	Experimental Investigation of a Hydroelectric Power Plant	2016 International Conferer	2016	WOS:00039070630	529-534	ISI	8,33333	3	
2	G.N. Popa, C.M. Diniş, S.I. Deaconu	Numerical Simulations of the Electric Parameters of the Plate-Type Electrostatic Precipitators Supplied with DC Voltage	2016 International Conferer	2016	WOS:000390706300016	75-78	ISI	8,33333	3	

3	C. Barz, S.I. Deaconu, T. Latinovici, A. Berdie, A. Pop-	PLCs used in smart home control	IOP Conf. Series: Materials	2016	WOS:000 37199290 0036	1-7	ISI	4,16667	6
4	L.N. Tutelea, N. Muntean, S.I. Deaconu, C.D. Cuntan	Dual stator winding variable speed asynchronous generator: magnetic equivalent circuit with saturation, FEM analysis and experiments	IOP Conf. Series: Materials	2016	WOS:000 37199290 0029	1-10	ISI	6,25	4
5	G.N. Popa, C.M. Dinis, S.I. Deaconu, St.	Modelling of some parameters from thermoelectric power plants	IOP Conf. Series: Materials	2016	WOS:000 37199290	1-12	ISI	5	5
6	I. Popa, G.N. Popa, C.M. Dinis, S.I. Deaconu	Astable multivibrator circuits made with low capacity PLC	IOP Conf. Series: Materials	2016	WOS:000 37199290 0012	1-8	ISI	6,25	4
7	L N Tutelea, S I Deaconu, G N Popa	Dual stator winding variable speed asynchronous generator: optimal design and experiments	IOP Conf. Series: Materials Science and Engineering 85 (2015)	2015	ISSN: 1757- 899X	1-9	ISI	8,33333	3
8	L.N. Tutelea, S.I. Deaconu, I. Boldea	Classical DC Excited Synchronous Generator for High Power Direct Driven Wind Turbine: Optimal Design and FEM Validation	EPE'15 ECCE Europe, Ger	2015	WOS:000 37710180 0016	1-7	ISI	8,33333	3
9	T. Latinovici, S.I. Deaconu, M T Latinović, N Malešević, C. Barz	Develop virtual joint laboratory for education like distance engineering system for robotic applications	IOP Conf. Series: Materials Science and Engineering 85 (2015) 012010	2015	ISSN: 1757- 899X	1-11	ISI	5	5
10	I Popa, G N Popa, S.I. Deaconu, A Iagăr	Spotting the earth connection and short circuits between the electric conductors, using D.C. bridges for resistance measurements	IOP Conf. Series: Materials Science and Engineering 85 (2015) 012010	2015	ISSN: 1757- 899X	1-7	ISI	6,25	4
11	L.N.Tutelea, S.I.Deaconu, I.Boldea, G.N.Popa	Dual rotor single- stator axial air gap PMSM motor/generator drive for high torque vehicles	International Conference on Applied Sinces (ICAS2013) Book Series: IOP Conference Series- Materials Science and Engineering Vol: 57	2014	1757- 8981	1-7	ISI ACM	6,25	4

12	L.N. Tutelea, I. Boldea, S. I. Deaconu	Parameter optimal identification of dual three phase stator winding induction machine	Optimization of Electrical and Electronic Equipment (OPTIM), 2014	2014	10.1109/OPTIM.2014.68510	231-238	ISI IEEE_Xplore	5	3
13	S.I. Deaconu, G.N. Popa, R. Babău	Study, Design and Industrial Implementation of Capacitive Power Factor Controller for Large Load Fluctuations in Steel Industry	8th International Conference and Exposition on Electrical and Power Engineering, IEEE, EPE,	2014	ISBN 978-1-4799-5849-8	962-9	ISI	8,33333	3
14	L.N. Tutelea, I. Boldea, N. Muntean, S.I. Deaconu	Modeling and performance of novel scheme dual winding cage rotor variable speed induction generator with DC link power delivery	Energy Conversion Congress and Exposition (ECCE), 2014 IEEE	2014	10.1109/ECC.2014.6953404	271 - 278	ISI	6,25	4
15	L.N. Tutelea, S.I. Deaconu, G.N. Popa	Reduced cost low speed wind or hydro energy conversion system with twin stator windings induction generator	Power Electronics and Moti	2014	10.1109/EPEPMC.2014.698	317-324	ISI	8,33333	3
16	M. Topor, S.I. Deaconu, L.N. Tutelea	Homo-heteropolar synchronous machine for low power variable speed wind or hydro applications: Design, 3D FEM validation and control	16th EPE'14-ECCE Europe	2014	10.1109/EPE.2014.6910885	1-10	ISI	8,33333	3
17	L.N. Tutelea, S.I. Deaconu, I. Boldea, N. Budisan	Design, Control and 2D-FEM Validation for an Double Stator Winding Induction Generator	39th Annual Conference of the IEEE Industrial-Electronics-Society	2013	1553-572X / 978-1-	2732-2737	ISI	6,25	4
18	L.N. Tutelea, I. Boldea, S.I. Deaconu	The Single Stator Dual Rotor PMSM for HEV: Two Windings and 4 Leg Inverter Control	15th International Power Electronics and Motion Control Conference (EPE/PEMC)	2012	978-1-4673-1972-0	DS3 a.1-1-DS3 a.1-6	ISI	8,33333	3
19	L.N. Tutelea, S.I. Deaconu, I. Boldea, F. Marignetti, G.N. Popa Gabriel Nicolae, Diniş Corina Maria, Deaconu Sorin	Design and Control of a Single Stator Dual PM Rotors Axial Synchronous Machine for Hybrid Electric Vehicles	Proc. of the the 2011-14th European Conference on Power Electronics and Applications (EPE 2011)	2011	978-90-75815-15-3	1-10	ISI	5	5
20		Numerical Modelling In Plate-Type Electrostatic Precipitator Supplied With Pulse Energization	Proc. of the the 2011-14th European Conference on Power Electronics and Applications (EPE 2011)	2011	978-90-75815-15-3	1-8	ISI	8,33333	3

21	Popa Gabriel Nicolae, Diniș Corina Maria, Deaconu Sorin Ioan, Popa Iosif	A Numerical Modeling of Electric Parameters from Industrial Plate-Type Electrostatic Precipitator	2011 IEEE INTERNATIONAL CONFERENCE ON INDUSTRIAL TECHNOLOGY (ICIT),	2011, marti e 14- 16	ISBN 978- 1-4244- 9066-0	21- 26	ISI		6,25	4
22	I.Boldea, M.Topor, F. Marignetti, S.I. Deaconu, L.N. Tutelea	A Novel, Single Stator Dual PM Rotor, Synchronous Machine: topology, circuit model, controlled dynamics simulation and 3D FEM Analysis of Torque Production	Proc. of 12th OPTIM 2010, PTS I-IV, Brasov, Romania	2010	1842- 0133	343- 351	ISI		5	5
23	Popa Gabriel Nicolae, Vaida Victor, Deaconu Sorin Ioan, Șora Ioan	An Analysis on the Optimal Fields Number of the Plate-Type Electrostatic Precipitators used in a Thermolectric Power Plant	OPTIM 2010: PROCEEDINGS OF THE 12TH INTERNATIONAL CONFERENCE ON OPTIMIZATION OF ELECTRICAL AND ELECTRONIC EQUIPMENT, PTS I-IV Book Series: Proceedings of the International Conference on	2010, mai 20-21	ISSN 1842- 0133	232- 239	ISI		6,25	4
24	S.I. Deaconu, L.N. Tutelea, G.N. Popa, T. Latinovici	Mathematical models and the control of homopolar and homo-heteropolar reactive synchronous machines with stator excitation	Advances in Communications, Computers, Systems, Circuits and Devices	2010	1792- 6637 / 978-960- 474-250-9	78- 83	ISI		6,25	4
25	Popa Gabriel Nicolae, Abrudean Cristian, Deaconu Sorin Ioan, Popa	A Case Study of ESP Electrical Characteristics from a Thermal Power Station	44th Annual Meeting of the IEEE-Industry-Applications Society, 2009 Houston, Texas, USA, WOS	2009, oct. 04-08	ISSN 0197- 2618, ISBN 978-	515- 520	ISI, IEEE		5	5
26	Deaconu Sorin Ioan, Topor Marcel, Popa Gabriel Nicolae,	Comprehensive Analysis for Modernization of 100 t Electric Arc Furnace for Steel Production	44th Annual Meeting of the IEEE-Industry-Applications Society, 2009 Houston, Texas, USA, WOS	2009, oct. 04-08	ISSN 0197- 2618, ISBN 978-	143- 148	ISI		6,25	4
27	S.I. Deaconu, M. Topor, L. Tutelea, G.N. Popa, C.	Mathematical Model of a Reactive Homopolar Synchronous Machine with Stator Excitation	13th European Conference on Power Electronics and Applications	2009	978-1- 4244- 4432-8	2269- 2277	ISI		5	5

28	S.I. Deaconu, M. Topor, L. Tutelea, G.N. Popa, C. Abrudean	Modeling and Experimental Investigations of a Reactive Homo-Heteropolar Brushless Synchronous Machine	35th Annual Conference of the IEEE Industrial Electronics, (IECON)	2009	978-1-4244-4648-3	1126-1133	ISI		5	5
29	Popa Gabriel Nicolae, Șora Ioan, Deaconu Sorin Ioan, Diniș Corina Maria, Popa Iosif	An Experimental Investigation of Corona Sound in Pins to Plane Electrostatic Discharge System	Proceedings ICIT 2009, Industrial Technology, IEEE International Conference, Monash University, Melbourne,	2009, 10-13 februarie	ISBN 978-1-4244-3506-7	146-149	ISI		5	5
30	Popa Gabriel Nicolae, Deaconu Sorin, Diniș Corina Maria, Iagăr Angela	Implementation of a Numerical Distance Relay for the 110kV Electric Lines	Proceedings of the 13th WSEAS International Conference on SYSTEMS, WSEAS CSCC Multiconference, Rodos Island, Greece, July 22-24,	2009, 22-24 iulie	ISBN 978-960-474-097-0 ISSN 1790-2769	271-276	ISI		6,25	4
31	Deaconu Sorin Ioan, Topor Marcel, Popa Gabriel Nicolae, Bistriean Diana	Analysis Of Hybrid Power System Incorporating Squirrel Cage Induction Generators	Proceedings of the 13th WSEAS International Conference on SYSTEMS, WSEAS CSCC Multiconference, Rodos Island, Greece, July 22-24,	2009, 22-24 iulie	ISBN 978-960-474-097-0 ISSN 1790-2769	289-294	ISI		6,25	4
32	Pănoiu Manuela, Pănoiu Caius, Deaconu Sorin	Study about the possibility of electrodes motion control in the EAF based on adaptive impedance control	2008 13th International Power Electronics and Motion Control Conference, EPE-PEMC 2008, Art. No. 4635465	2008, 1-3 Septembrie	ISBN 978-1-4244-1741-4	55-60	ISI		8,33333	3
33	S.I. Deaconu, L. Tutelea, G.N. Popa, I. Popa, C.	Optimizing the Designing of a Reactive Homopolar Synchronous Machine with Stator Excitation	34th Annual Conference of the IEEE Industrial Electronics, (IECON)	2008	1553-572X / 978-1-	1258-1265	ISI		5	5

34	Popa Gabriel Nicolae, Șora Ioan, Vaida Victor, Deaconu Sorin Ioan, Popa Ioșif	Solutions To Improve Dust Collection With Plate-Type Electrostatic Precipitators	PROCEEDINGS OF THE 9TH WSEAS INTERNATIONAL CONFERENCE ON AUTOMATION AND INFORMATION. Book Series: Recent Advances in Electrical Engineering, Bucharest, ROMANIA,	2008, iunie 24-26	ISBN 978- 960-6766- 77-0	282- 287	ISI		5	5
35	Deaconu Sorin Ioan, Popa Gabriel Nicolae, Popa Ioșif	Optimizing the Operation of an Urban District Heating System by Means of Variable Speed Drives	12th WSEAS International Conference on SYSTEMS, NEW ASPECTS OF SYSTEMS, PTS I AND II. Mathematics and Computers in Science and Engineering, Heraklion,	2008, iulie 22-24	ISBN 978- 960-6766- 83-1	149- 154	ISI	8,33333		3
36	Popa Gabriel Nicolae, Deaconu Sorin Ioan, Popa Ioșif	Analysis of the Corona Currents from Pins to Plate Geometry	12th WSEAS International Conference on SYSTEMS, NEW ASPECTS OF SYSTEMS, PTS I AND II. Mathematics and Computers in Science and Engineering, Heraklion,	2008, iulie 22-24	ISBN 978- 960-6766- 83-1	143- 148	ISI	8,33333		3
37	Popa Gabriel Nicolae, Șora Ioan, Vaida Victor, Popa Ioșif, Deaconu Sorin Ioan	Analysis Of Mathematical Models Of Current-Voltage Characteristics For Plate- Type Electrostatic Precipitators	PROCEEDINGS OF THE 9TH WSEAS INTERNATIONAL CONFERENCE ON AUTOMATION AND INFORMATION. Book Series: Recent Advances in Electrical Engineering, Bucharest, ROMANIA,	2008, iunie 24-26	ISBN 978- 960-6766- 77-0	288- 292	ISI		5	5
<b>Total volume Proceedings indexate WOS Thomson-Reuters</b>									<b>239,167</b>	
<b>Brevete de inventie indexate WOS-Derwent</b>										

1	I. Boldea, S.I.Deaconu, F. Marignetti,	Brushless electrical actuator with two independent rotors for hybrid electrical propulsion	Patent Number: IT1409332	2014	2014- Q06615 [65]		ISI	6,25	4
2									
3									
<b>Total Brevete de inventie WOS Thomson-Reuters</b>								<b>6,25</b>	
<b>Total A.2.1.</b>								<b>287,122</b>	
<b>A.2.2. Articole în reviste și în volumele unor manifestări științifice indexate în alte baze de date internaționale (BDI)</b>									
Nr. Crt	Autori	Titlul lucrării	Revista/Conferinta	Anul	(Nr.)/ISSN / DOI	Pag.	BDI	Punctaj	
1	S.I.Deaconu, R.Babău, G.N.Popa, P.L.Gherman	Hydroelectric power plant with variable flow on drinking water adduction	International Conference on Applied Sciences (ICAS2017), IOP Publishing, IOP Conf. Series: Materials Science	2017	doi:10.1088/1757-899X/294/1/012023	1-9	Scopus	5	4
2	T.Ambros, M.Burduniuc, S.I.Deaconu, N.Rujanschi	Electromechanical converters for electric vehicles	International Conference on Applied Sciences (ICAS2017), IOP Publishing, IOP Conf. Series: Materials Science	2017	doi:10.1088/1757-899X/294/1/012058	1-9	Scopus	5	4
3	I.Nucă, T.Ambros, M.Burduniuc, S.I. Deaconu, A.Țurcanu	Electric machines with axial magnetic flux	International Conference on Applied Sciences (ICAS2017), IOP Publishing, IOP Conf. Series: Materials Science	2017	doi:10.1088/1757-899X/294/1/012059	1-9	Scopus	4	5
4	I.Popa, G.N.Popa, C.M.Diniș, S.I.Deaconu	Bidirectional automatic release of reserve for low voltage network made with low capacity PLCs	International Conference on Applied Sciences (ICAS2017), IOP Publishing, IOP Conf. Series: Materials Science	2017	doi:10.1088/1757-899X/294/1/012053	1-15	Scopus	5	4

5	G.N.Popa, C.M.Diniș, A.Iagăr, S.I.Deaconu, I.Popa	Industrial application of low voltage bidirectional automatic release of reserve	International Conference on Applied Sciences (ICAS2017), IOP Publishing, IOP Conf. Series: Materials Science	2017	doi:10.1088/1757-899X/294/1/012054	1-11	Scopus	4	5
6	M.Topor, F.Marignetti, S.I.Deaconu, L.N.Tutelea	Single Stator Dual PM Rotor Synchronous Machine with twofrequency single-inverter control, for the propulsion of hybrid electric vehicles	MATEC Web of Conferences 125, 02065 (2017)	2017	eISSN: 2261-236X, DOI: 10.1051/mateconf	1-6	Google Scholar	5	4
7	L.N.Tutelea, S.I.Deaconu, G.N.Popa	Control System for Producing Electricity with Dual Stator Winding Cage-Rotor Induction Generator	Analele Universității „Eftimie Murgu” Reșița , Vol. XXI, nr. 2	2014	1453-7397	323-334	EBSCO , Index Coperni	6,67	3
8	T.Latinovic, M.Lazarevic, S.I.Deaconu, G.Sziebig,	Fuzzy Logic Combined with Neutral Algorithm to Control Industrial Robot	Annals of Faculty Engineering Hunedoara – International Journal of Engineering, Tom XII,	2014	1584-2665(P) 1584-2673(OL)	133-136	Google Scholar	4	5
9	L.N.Tutelea, S.I.Deaconu, N.Budisan, I.Boldea,	Double stator winding induction generator for wind and hydro applications: 2D-FEM analysis and optimal design	Power Electronics and Applications (EPE), 2013 15th European Conference on	2013	10.1109/EPE.2013.6634443	1-10	IEEE_Xplore	5	4
10	G.N.Popa, S.I.Deaconu,	Modeling of Electrical and Technological Parameters of Industrial Precipitators	INTELEC 2013, Hamburg, Germania	2013		1-6	IEEE Xplo	6,67	3
11	L.N.Tutelea, S.I.Deaconu, I.Popa, G.N.Popa	Control Methods of an Single Stator Dual Rotor PMSM	Buletinul AGIR, vol. XVII, no. 4	2012	1224-7928	15-22	Index Copernicus	5	4
12	L.N.Tutelea, I.Boldea, S.I.Deaconu	Optimal design of dual rotor single stator PMSM drive for automobiles	Electric Vehicle Conference (IEVC), 2012 IEEE International	2012	10.1109/IEVC.2012.6183224	1-8	IEEE_Xplore	6,67	3
13	I.Boldea, L.N.Tutelea, S.I.Deaconu, F.Marignetti	Dual rotor single-stator axial air gap PMSM motor/generator drive for HEVs: A review of comprehensive modeling and performance characterization	Electrical Systems for Aircraft, Railway and Ship Propulsion (ESARS), 2012	2012	10.1109/ESARS.2012.6387498	1-8	IEEE_Xplore	5	4



14	L.N.Tutelea, S.I.Deaconu, I.Boldea	Design and FEM validation for an axial Single Stator Dual Rotor PMSM	IECON 2012-38th Annual Conference on IEEE Industrial Electronics	2012	10.1109/IECON.2012.63894	2929-2935	IEEE_Xplore	6,67	3
15	G.N.Popa, S.I.Deaconu, I.Popa, C.M.Diniş	New Trends in Detection of Back-Corona Discharges in Plate-Type Electrostatic Precipitators	Acta Technica Corviniensis - Buletin of Engineering	2012	2067-3809	93-96	Index Copernicus	5	4
16	G.N.Popa, I.Popa, S.I.Deaconu	Collecting Efficiencies and Migration Velocities of Dust Particles from a Three Sections Electrostatic Precipitator	Annals of Faculty Engineering Hunedoara – International Journal of Engineering, Tom X,	2012	1453-7397	203-206	Google Scholar	6,67	3
17	I.Popa, G.N.Popa, S.I.Deaconu	The Sizing of the Branch Three-Phase Low Voltage Power Lines Trough Superposition Method	Annals of Faculty Engineering Hunedoara – International Journal of Engineering, Tom X,	2012	1453-7397	313-316	Google Scholar	6,67	3
18	S.I.Deaconu, G.N.Popa, R.Deaconu	Commissioning, Monitoring and Control of a Low-power Hydroelectric Power Plant	Recent Researches in Circuits and Systems, Proceedings of the 16th WSEAS International Conference on SYSTEMS,	2012, 14-17 iulie	ISBN: 978-1-61804-108-1	173-178	Google Scholar	6,67	3
19	A.Iagăr, S.I.Deaconu, C.D.Cunţan, I.Baciu	Harmonic Analysis of a high Speed Automatic Reclosing on a 400 kv Overhead Transmission Line	Recent Researches in Circuits and Systems, Proceedings of the 16th WSEAS International Conference on SYSTEMS,	2012, 14-17 iulie	ISBN: 978-1-61804-108-1	219-224	Google Scholar	5	4
20	G.N.Popa, I.Popa, S.I.Deaconu, C.M.Diniş	An Overview of Current-Voltage Characteristics Estimation from Plate-Type Electrostatic Precipitator with Three Sections	Recent Researches in Circuits and Systems, Proceedings of the 16th WSEAS International Conference on SYSTEMS,	2012, 14-17 iulie	ISBN: 978-1-61804-108-1	279-284	Google Scholar	5	4
21	G.N.Popa, S.I.Deaconu, I.Popa, C.M.Diniş	Experimental Analysis for Plate-Type Electrostatic Precipitators with Three Sections	OPTIM 2012 , 13 th International Conference on Optimization of Electrical and Electronic	2012	ISBN: 978-1-4673-1653-8	1274-1279	IEEE_Xplore	5	4

22	G.N.Popa, C.M.Diniş, S.I.Deaconu, A.Iagăr	Prospective on Power Quality Analyse of Three Sections Plate-Type Electrostatic Precipitator Supplies	Recent Researches in Circuits and Systems, Multimedia and Automatic Control,	2012	ISBN: 978-1-61804-085-5	49-54	Google Scholar	5	4
23	G.N.Popa, S.I.Deaconu, C.M.Diniş, A.Iagăr	Analysis and Simulations of Three-Phase Uniform Charge Power Sources with Current Harmonic Decrease	International Review on Modelling and Simulations October 2012, Vol. 5, no.	2012	ISSN 1974-9821	2281-2290	Scopus	5	4
24	L.N.Tutelea, I.Boldea, S.I.Deaconu, G.N.Popa	Single Stator Dual Rotor PMSM: Design and Optimization with Matlab	International Conference and Exposition on Electrical and Power Engineering, EPE 2012,	2012	ISBN: 978-1-4673-1172-4	349-354	Google Scholar	5	4
25	S.I.Deaconu, G.N.Popa	Experimental Survey For Reducing The Flicker Effect And The Deforming Regime Produced By EAFs	Recent Researches in Circuits, Systems, Communications and Computers, Proceedings of the 2th European Conference of Systems	2011	ISBN 978-1-61804-056-5, 2011	149-154	Google Scholar	10	2
26	A.I.Toma, G.N.Popa, A.Iagăr, S.I.Deaconu	Experimental Analysis Of Electric Parameters Of A 100 T UHP Electric Arc Furnace	2010 IEEE International Conference on Industrial Technology (ICIT), Vina del Mar, Chile	2010	ISBN 978-1-4244-5695-6, 2010-03-	919-924	IEEE Xplore	5	4
27	L.N.Tutelea, S.I.Deaconu, I.Boldea, F.Marignetti,	Quasi-3D FEM Analysis of an Single Stator Dual PM Rotors Axial Synchronous Machine for Hybrid Vehicles	ELECTRIMACS, Cergy-Pontoise, France	2011	ISBN 978-2-7466-3454-1	Pag. 1-7	Google Scholar	4	5
28	G.N.Popa, C.M.Diniş, S.I.Deaconu,	An analyze on a wood processing automatic machine	WSEAS Transactions on Circuits and Systems, Volume 10 Issue 3, March	2011	ISSN:1109-2734	83-92	SCOPUS	5	4
29	G.N.Popa, S.I.Deaconu	On the Dust Particles Electrical Charging Models from Plate-Type Electrostatic Precipitators	BULETINUL INSTITUTULUI POLITEHNIC DIN IASI SECTIA: ELECTROTEHNICA,	2011	ISSN 1223-8139	279-287	Index Copernicus	10	2

30	I.Boldea, L.N.Tutelea, S.I.Deaconu, F.Marignetti	Dual rotor single stator brushless PMSM motor/generator system for full HEVs	Proceedings of the International Conference on ELECTRONICS, COMPUTERS and ARTIFICIAL	2011	ISSN 1843-2115	95-102	Google Scholar	5	4
31	I.Baciu, C.D.Cunțan, S.I.Deaconu, A.Iagăr	The Study of Quality Indicators of Electrical Energy in Electrical Railway Transport	Annals of Faculty Engineering Hunedoara – International Journal of Engineering, Tom IX,	2011	1453-7397	239-243	Index Copernicus	5	4
32	S.I.Deaconu, G.N.Popa, T.Latinovic	Comparative Study For EAF's Reactive Energy Compensation Methods And Power Factor Improvement	WSEAS TRANSACTIONS on SYSTEMS	2010	Issue 9, Volume 9, September, ISSN: 1109-	979-989	Google Scholar	6,67	3
33	G.N.Popa, S.I.Deaconu, C.M.Diniș, A.Iagăr	A Case Study of An Analogical Distance Relay for the 110kV Electric Power Lines	WSEAS TRANSACTIONS on SYSTEMS	2010	Issue 10, Volume 9, October, ISSN: 1109-	1063-1072	SCOPUS	5	4
34	S.I.Deaconu, G.N.Popa, M.Topor, T.Latinovic	Improvement Of The EAF Energetic Parameters Using Capacitive-Inductive Filters	Last Trends on Systems, Proceedings of the 14th WSEAS International Conference on Systems,	2010	ISBN 978-960-474-199-1, ISSN	474-479	SCOPUS	5	4
35	G.N.Popa, S.I.Deaconu, C.M.Diniș, A.Iagăr	An Analogical Distance Relay for the 110kV Electric Lines	14th WSEAS International Conference on SYSTEMS, LATEST TRENDS on SYSTEMS, vol. I, Corfu Island, Greece, Published	2010	ISSN: 1792-4235, ISBN: 978-960-474-	165-170	SCOPUS	5	4
36	G.N.Popa, C.M.Diniș, S.I.Deaconu, A.Iagăr	Study upon a Wood Processing Automatic Machine	Proceedings of the 11st WSEAS International Conference on AUTOMATION & INFORMATION (ICAI '10), Iași, România, 13-15 iunie,	2010	ISBN 978-960-474-193-9 ISSN 1790-5117	189-194	ACM	5	4

37	I.Baciu, C.D.Cunțan, S.I.Deaconu,	Study of the D.C. motors behavior from the componency of electric traction systems in short-circuit regime	Proceedings of the 14th WSEAS International Conference on Systems,	2010	978-960-474-199-1 1792-	331-335	SCOPUS	5	4
38	S.I.Deaconu, M.Topor, G.N.Popa	Study of the Induction Generators with Short-Circuited Rotor in Autonomous Regime	Buletinul Universității din Craiova, vol. 34, no. 2	2010	1842-4805	111-116	ACM	6,67	3
39	S.I.Deaconu, M.Topor, G.N.Popa, D.Bistriean	Application of the Squirell Cage Asynchronous Machine Working as Single Phase Generator in Microhydro Power Plant	Annals of Faculty Engineering Hunedoara – International Journal of Engineering, Tom VII,	2009	1584-2673	324-331	Google Scholar	5	4
40	G.N.Popa, I.Popa, S.I.Deaconu, C.D.Cunțan	A Study about a Rezistive Stepped Transducer used for Water Level Measurement	Annals of Faculty Engineering Hunedoara – International Journal of Engineering, Tom VII,	2009	1584-2673	394-399	Google Scholar	5	4
41	G.N.Popa, S.I.Deaconu	On the Dust Particles Electrical Charging Models from Plate-Type Electrostatic Precipitators	Buletinul Științific al Institutului Politehnic Iași, Sectia Electrotehnica, Energetica, Electronica,	2008	1223-8139	279-287	Index Copernicus	10	2
42	G.N.Popa, I.Șora, V.Vaida, I.Popa, S.I.Deaconu	Analysis Of Some Solutions That Improve Performances Of Plate-Type Electrostatic Precipitators	WSEAS Transactions on Circuits and Systems	2008	Issue 7, Volume 8, August, ISSN 1109-273	843-854	SCOPUS	4	5
43	S.I.Deaconu, G.N.Popa, I.Popa	Increasing The Energetic Efficiency In Producing Of Electric And Thermal Power In Thermal Power Plants By Using Of Variable Speed	WSEAS Transaction on SYSTEMS	2008	Issue 9, Volume 7, Septembrie, ISSN 1109-	834-843	SCOPUS	6,67	3
44	G.N.Popa, I.Popa, S.I.Deaconu	Analysis Of The Corona Currents In An Electrostatic Discharge System In Normal Atmospheric Pressure And Temperature	WSEAS Transaction on SYSTEMS	2008	Issue 9, Volume 7, Septembrie, ISSN 1109-	814-823	SCOPUS	6,67	3
45	I.Boldea, N.Muntean, S.I.Deaconu S. A.	Distributed anisotropy rotor synchronous (DARSYN) drives—Motor identification and performance	Proc. Int. Conf. Electrical Machines	1992	vol.2	542-546	Google Scholar	4	5

<b>Total A.2.2.</b>								<b>252,333</b>	
<b>A2.3 Brevete de inventie indexate în alte baze de date</b>									
1	G.N. Popa, Popa, Deaconu	I. Electronic time relay for use in control S.I. installations of electric drivers, has two delay circuits with various delays	Patent Number: RO 129042-A2	2014			ISI	5,00	3
2	G.N. Popa, Popa, S.I.	I. Linear Continuous Voltage-Frequency Sinusoidal Signal Converter	Patent Number: RO 130458-A2	2015			ISI	5,00	3
<b>Total A2.3</b>								<b>10</b>	
<b>Total A2.1, A2.2, A2.3</b>								<b>549,455</b>	

<b>A2.4 Granturi/Proiecte castigate prin competitie</b>					
Nr.crt.	Programul/Beneficiarul	Titlu grant	Nr Contract	Perioada	Punctaj
<b>A2.4.1.2 Director/Responsabil - nationale</b>					
1	PN III/ Cooperare Europeană și Internațională/ Proiect bilateral RO-MD	Sisteme performante de acționare a vehiculelor hibride și electrice cu o mașină sincronă axială cu două rotoare, un stator și un singur invertor	17 BM/19.09.2016	2016-2018	30
2	PN III/ Cooperare Europeană și Internațională/ Proiect bilateral RO-CN	Sistem de putere pentru conversia energiei eoliene cu generator asincron cu două înfășurări statorice la viteză variabilă în limite largi	8 BM/12.07.2018	2018-2019	20
<b>Total A2.4.1.2</b>					<b>50</b>
<b>A2.4.2 Membru in echipa</b>					
<b>A2.4.2.1 Internationale</b>					
1	POSDRU	Dezvoltarea si sustinerea de programe postdoctorale multidisciplinare in domeniul tehnic prioritar ale strategiei nationale de cercetare - dezvoltare - inovare 4D-POSTDOC	POSDRU/89/1.5/S/52603	2010-2013	16
2	POSDRU	Parteneriat pentru efectuarea stagiului de practică în domeniul tehnologiei informației și a comunicației	POSDRU/22/2.1/G/40356	2010-2012	8
3					
<b>Total A2.4.2.1</b>					<b>24,00</b>
<b>A2.4.2.2 Nationale</b>					
1	UEFISCDI	Microgrid integrated small power renewable energy hybrid systems	PCCA 36/2012, PN-II-PT-PCCA/2011-3.2-1519	2012-2016	10
2	CEEX	TEHNOLOGII NOI DE ACTUATOARE ELECTRICE PENTRU AUTOMOBILE	X2C33	2006-2008	2
3	UEFISCDI	Sistem inteligent pentru diagnoza automată a liniei de contact din	PN3-P2-59BG-2016	2016-2018	6
4	CNCSIS	Releu complex pentru protecția liniei de contact împotriva regimurilor anormale de funcționare , CNCSIS	Nr. 27688/14.03.2005	2005-2006	4
5					
6					
<b>Total A2.4.2.2</b>					<b>22</b>
<b>Total A2.4</b>					<b>96,00</b>
<b>A2.5 Contracte de cercetare / consultanță (valoare echivalentă de minim 2000 Euro)</b>					

		<b>2.5.1 Responsabil</b>			
1	Contract de cercetare S.C. SIDERURGICA S.A. HUNEDOARA	Cercetări privind noi tehnologii de verificare a caracteristicilor motoarelor la mersul în sarcină	350000-39	1995	5
		<b>2.5.2 Membru in echipa</b>			
1	Contract de cercetare S.C. SIDERURGICA S.A. HUNEDOARA	Studiu privind înlocuirea cuplajelor electromagnetice tip toshiba cu convertizoare statice de frecvență hitachi în circuitul de comandă alimentare a motoarelor de acționare a electrozilor	350000-52	1996	2
2	Contract de cercetare	Imbunatatirea performantelor energetice a consumatorilor electrici	93/18.09.2009	2009-2010	4
		<b>Total A 2.5</b>			<b>11</b>
		<b>Total A2</b>			<b>656,46</b>

Articol Citat							Articol care citeaza						
Nr. crt. al citarii	Autorii art. citat	Titlu articol citat	Revista/ Proceedings	Anul	Vol./ ISSN/ ISBN	Pag.	Autori art care citeaza	Titlu articol care citeaza	Revista/ Proceedings	Anul	Vol./ ISSN/ ISBN	Pag.	Punctaj
A3.1.1 ISI													
1	I.Boldea, M.Topor, F.Marignetti S.I.Deaconu L.N.Tutelea	A Novel, Single Stator Dual PM Rotor, Synchronous Machine: topology, circuit model, controlled dynamics simulation and 3D FEM Analysis of Torque Production	Proc. of the 12th OPTIM, PTS I-IV	2010	1842-0133	343-351	Paulides, Johannes J. H.; Gysen, Bart L. J.; Meessen, Koen J.; et al.	Influence of Multiple Air Gaps on the Performance of Electrical Machines With (Semi) Halbach Magnetization	IEEE Trans. on Magnetics	2011	47(10) ISSN: 0018-9464	2664-2667	1
2	S.I.Deaconu, G.N.Popa, A.I.Toma, M.Topor	Modeling and Experimental Analysis for Modernization of 100-t EAF	IEEE Transactions on Industry Applications, DOI 10.1109/TIA.2010.2072977, WOS 000284418600017	2010, 46(6)	0093-9994	2259-2266	Mathieu Morati, Daniel Girod, Franck Terrien, Virginie Peron, Philippe Poure, Shahrokh Saadate	Industrial 100-MVA EAF Voltage Flicker Mitigation Using VSC Based STATCOM With Improved Performance	IEEE Transactions on Power Delivery	2016	31(6) ISSN: 0885-8977	2494-2501	1,25
3							Mustafa Seker, Arif Memmedov, Rafael Huseyinov, Serdar Kockanat	Power Quality Measurement and Analysis in Electric Arc Furnace for Turkish Electricity Transmission System	ELEKTRONIKA IR ELEKTROT ECHNIKA	2017	23(6) ISSN: 1392-1215	25-33	1,25



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2	Gabriel Nicolae Popa, Cristian Abrudean, Sorin Ioan Deaconu, Iosif Popa, Victor Vaida	A case study of ESP electrical characteristics from a thermal power station	Industry Applications Society Annual Meeting, 2009. IAS 2009. IEEE	2009	978-1-4244-3476-3	6 pp	4	1		5
3	Manuela Panoiu ; Caius Panoiu ; Sorin Deaconu	Study about the possibility of electrodes motion control in the EAF based on adaptive impedance control	2008 13th International Power Electronics and Motion Control Conference	2008	978-1-4244-1741-4	1409 - 1415	6	3		3
4	L.N.Tutelea, S.I.Deaconu, N.Budisan, I.Boldea,	Double stator winding induction generator for wind and hydro applications: 2D-FEM analysis and optimal design	Power Electronics and Applications (EPE), 2013 15th European Conference on	2013	10.1109/EPE.2013.6634443	10 pp	3			4
5	I.Boldea, L.N.Tutelea, S.I.Deaconu, F.Marignetti	Dual rotor single-stator axial air gap PMSM motor/generator drive for HEVs: A review of comprehensive modeling and performance characterization	Electrical Systems for Aircraft, Railway and Ship Propulsion (ESARS), 2012	2012	10.1109/ESARS.2012.6387498	8 pp	7	6		4
6	S.I.Deaconu, G.N.Popa, A.I.Toma, M.Topor	Modeling and Experimental Analysis for Modernization of 100-t EAF	IEEE Transactions on Industry Applications, DOI 10.1109/TIA.2010.2072977	2010, 46(6)	0093-9994	2259-2266	3	3		4
7	I.Boldea, N.Muntean, S.I.Deaconu S. A. Nasar Z. Fu	Distributed anisotropy rotor synchronous (DARSYN) drives—Motor identification and performance	Proc. Int. Conf. Electrical Machines	1992	vol.2	542-546	2	2		5
8	SI Deaconu, L Tutelea, GN Popa, I Popa, C Abrudean	Optimizing the designing of a reactive homopolar synchronous machine with stator excitation	Industrial Electronics, 2008. IECON 2008. 34th Annual Conference of IEEE ...	2008	978-1-4244-1767-4, ISSN 1553-1553	1311 - 1318	4	1		5
9	L.N. Tutelea, S.I. Deaconu, I. Boldea, N. Budisan	Design, Control and 2D-FEM Validation for an Double Stator Winding Induction Generator	39th Annual Conference of the IEEE Industrial-Electronics-Society (IECON)	2013	572X / 978-1-4799-	2732-2737	6	4		4

10	L.N. Tutelea, S.I. Deaconu, I. Boldea, F. Marignetti, G.N. Popa	Design and Control of a Single Stator Dual PM Rotors Axial Synchronous Machine for Hybrid Electric Vehicles	Proc. of the the 2011-14th European Conference on Power Electronics and Applications (EPE 2011)	2011	978-90-75815-153	10 pp	4	2		5
11	Popa Gabriel Nicolae, Vaida Victor, Deaconu Sorin Ioan, Șora Ioan	An Analysis on the Optimal Fields Number of the Plate-Type Electrostatic Precipitators used in a Thermoelectric Power Plant	OPTIM 2010: PROCEEDINGS OF THE 12TH INTERNATIONAL CONFERENCE ON	2010, mai 20-21	ISSN 1842-0133	232-239	2			4
12	C Barz, C Todea, T Latinovic, DM Preradovic, S Deaconu, A Berdie	Intelligent traffic control system using PLC	IOP Conf. Series: Materials Science and Engineering 144 (2016) 012017	2016	doi:10.1088/1757-899X/144/1/012017	7 pp	3	3		6
13	L.N.Tutelea, I.Boldea, S.I.Deaconu	Optimal design of dual rotor single stator PMSM drive for automobiles	Electric Vehicle Conference (IEVC), 2012 IEEE International	2012	10.1109/IEVC.2012.6183224	8 pp	2	1		3
14	Deaconu Sorin Ioan, Topor Marcel, Popa Gabriel Nicolae, Popa Ioan	Comprehensive Analysis for Modernization of 100 t Electric Arc Furnace for Steel Production	44th Annual Meeting of the IEEE-Industry-Applications-Society, 2009 IEEE INDUSTRY APPLICATIONS SOCIETY ANNUAL MEETING, IEEE Industry	2009, oct. 04-08	ISSN 0197-2618, ISBN 978-1-4244-3475-6	143-148	1	1		4
15	S.I. Deaconu, M. Topor, L. Tutelea, G.N. Popa, C. Abrudean,	Mathematical Model of a Reactive Homopolar Synchronous Machine with Stator Excitation	13th European Conference on Power Electronics and Applications	2009	978-1-4244-4432-8	2269-2277	3	2		5
16	L.N.Tutelea, S.I.Deaconu, I.Boldea	Design and FEM validation for an axial Single Stator Dual Rotor PMSM	IECON 2012-38th Annual Conference on IEEE Industrial Electronics Society	2012	10.1109/IECON.2012.6389430	2929-2935	4	4		3
17	G.N.Popa, C.M.Diniș, S.I.Deaconu, A.Iagăr	Prospective on Power Quality Analyse of Three Sections Plate-Type Electrostatic Precipitator Supplies	Recent Researches in Circuits and Systems, Multimedia and Automatic Control, Rovaniemi, Finland	2012	ISBN: 978-1-61804-085-5	49-54	1			4
18	L.N.Tutelea, S.I.Deaconu, I.Boldea, F.Marignetti, G.N.Popa	Quasi-3D FEM Analysis of an Single Stator Dual PM Rotors Axial Synchronous Machine for Hybrid Vehicles	ELECTRIMACS, Cergy-Pontoise, France	2011	ISBN 978-2-7466-3454-1	Pag. 1-7	2			5

19	I.Boldea, L.N.Tutelea, S.I.Deaconu, F.Marignetti	Dual rotor single stator brushless PMSM motor/generator system for full HEVs	Proceedings of the International Conference on ELECTRONICS, COMPUTERS and ARTIFICIAL INTELLIGENCE	2011	ISSN 1843-2115	95-102	2			4
20	S.I. Deaconu, M. Topor, L. Tutelea, G.N. Popa, C. Abrudean	Modeling and Experimental Investigations of a Reactive Homo-Heteropolar Brushless Synchronous Machine	35th Annual Conference of the IEEE Industrial Electronics, (IECON)	2009	978-1-4244-4648-3	1126-1133	2	1		5
21	SI Deaconu, L Tutelea, GN Popa, I Popa	The influence of magnetic saturation towards the induced voltage for homopolar synchronous generator	17th International Conference on Electrical Machines	2006	486	6 pp	3			4
22	G. N. Popa, C. M. Dinis, S. I. Deaconu	Considerations on the Current Harmonics of Plate-Type Electrostatic Precipitators Power Supplies	ELEKTRONIKA IR ELEKTROTECHNIKA	2013	Vol 19, No 5, Print ISSN: 1392-1215	27-32	2	2		3
23	S.I. Deaconu, L.N. Tutelea, G.N. Popa, T. Latinovici	Mathematical models and the control of homopolar and homo-heteropolar reactive synchronous machines with stator excitation	Advances in Communications, Computers, Systems, Circuits and Devices	2010	1792-6637 / 978-960-474-250-	78-83	2	2		4
24	L.N. Tutelea, I. Boldea, S.I. Deaconu	The Single Stator Dual Rotor PMSM for HEV: Two Windings and 4 Leg Inverter Control	15th International Power Electronics and Motion Control Conference (EPE/PEMC)	2012	978-1-4673-1972-0	DS3 a.1-1-DS3 a.1-6	2	1		3
25	S.I.Deaconu, G.N.Popa, T.Latinovic	Comparative Study for EAF's Reactive Energy Compensation Methods and Power Factor Improvement	WSEAS TRANSACTIONS on SYSTEMS	September 2010	Issue 9, Volume 9, ISSN: 1109-	979-988	1	1		3
26	G.N.Popa, I.Popa, S.I.Deaconu	Analysis Of The Corona Currents In An Electrostatic Discharge System In Normal Atmospheric Pressure And Temperature	WSEAS Transaction on SYSTEMS	2008	Issue 9, Volume 7, Septemb	814-823	1			3
27	L.N. Tutelea, N. Muntean, S.I. Deaconu, C.D. Cuntan	Dual stator winding variable speed asynchronous generator: magnetic equivalent circuit with saturation, FEM analysis and experiments	IOP Conf. Series: Materials Sc	2016	WOS:000371992900029	10 pp	1	1		4
28	S.I. Deaconu, G.N. Popa, R. Babău	Study, Design and Industrial Implementation of Capacitive Power Factor Controller for Large Load Fluctuations in Steel Industry	8th International Conference and Exposition on Electrical and Power Engineering, IEEE, EPE Iasi, România	2014	ISBN 978-1-4799-5849-8	962-967	1	1		3

29	I.Baciu, C.D.Cunțan, S.I.Deaconu, A.lagăr	The Study of Quality Indicators of Electrical Energy in Electrical Railway Transport	Annals of Faculty Engineering Hunedoara – International Journal of Engineering, Tom IX, Fascicula 4	2011	1453-7397	239-243	2	1		4
30	Popa Gabriel Nicolae, Diniș Corina Maria, Deaconu Sorin Ioan	Numerical Modelling In Plate-Type Electrostatic Precipitator Supplied With Pulse Energization	Proc. of the the 2011-14th European Conference on Power Electronics and Applications (EPE 2011)	2011	978-90-75815-153	8 pp	1			3
31	L.N. Tutelea, I. Boldea, N. Muntean, S.I. Deaconu	Modeling and performance of novel scheme dual winding cage rotor variable speed induction generator with DC link power delivery	Energy Conversion Congress and Exposition (ECCE), 2014 IEEE	2014	10.1109/ECCE.2014.6953404	271 - 278	1			4
32	M. Topor, S.I. Deaconu, L.N. Tutelea	Homo-heteropolar synchronous machine for low power variable speed wind or hydro applications: Design, 3D FEM validation and control	16th EPE'14-ECCE Europe	2014	10.1109/EPE.2014.6910885	10pp	1	1		3
33	L.N. Tutelea, I. Boldea, S. I. Deaconu	Parameter optimal identification of dual three phase stator winding induction machine	Optimization of Electrical and Electronic Equipment (OPTIM), 2014 International Conference on	2014	10.1109/OPTIM.2014.6851016	231-238	1	1		3
34	A.lagăr, S.I.Deaconu, C.D.Cunțan, I.Baciu	Harmonic Analysis of a high Speed Automatic Reclosing on a 400 kv Overhead Transmision Line	Recent Researches in Circuits and Systems, Proceedings of the 16th WSEAS International Conference on	2012, iulie	ISBN: 978-1-61804-108-1	219-224	1	1		4
35	Popa Gabriel Nicolae, Diniș Corina Maria, Deaconu Sorin Ioan, Popa Iosif	A Numerical Modeling of Electric Parameters from Industrial Plate-Type Electrostatic Precipitator	2011 IEEE INTERNATIONAL CONFERENCE ON INDUSTRIAL TECHNOLOGY (ICIT), AUBURN, ALABAMA.	2011, martie 14-16	ISBN 978-1-4244-9066-0	21-26	1			4
36	Popa Gabriel Nicolae, Șora Ioan, Deaconu Sorin Ioan, Diniș Corina Maria, Popa	An Experimental Investigation of Corona Sound in Pins to Plane Electrostatic Discharge System	Proceedings ICIT 2009, Industrial Technology, IEEE International Conference, Monash University,	2009, februarie 10-13	ISBN 978-1-4244-3506-7	146-149	1			4
37	Popa Gabriel Nicolae, Deaconu Sorin Ioan, Popa Iosif	Analysis of the Corona Currents from Pins to Plate Geometry	12th WSEAS International Conference on SYSTEMS, NEW ASPECTS OF SYSTEMS, PTS I AND II.	2008, iulie 22-24	ISBN 978-960-6766-83-1	143-148	1	1		3
38	Popa Gabriel Nicolae, Șora Ioan, Vaida Victor, Popa Iosif, Deaconu Sorin Ioan	Analysis Of Mathematical Models Of Current-Voltage Characteristics For Plate-Type Electrostatic Precipitators	PROCEEDINGS OF THE 9TH WSEAS INTERNATIONAL CONFERENCE ON AUTOMATION AND	2008, iunie 24-26	ISBN 978-960-6766-77-0	288-292	1			5
<b>Total A3.2.1 IEEE-XPLORE</b>							91	48	0	



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Nr. crt. al citariil	Autorii art citat	Titlu articol citat	Revista/ Proceedings	Anul	Vol./ ISSN/ ISBN	Pag.	Nr. citari	Nr. citari fara autocitari	Punctaj	Nr. autori
<b>A3.2.2 -Scopus</b>										
1	C Barz, C Todea, T Latinovic, DM Preradovic, S	Intelligent traffic control system using PLC	IOP Conf. Series: Materials Science and Engineering 144 (2016)	2016	doi:10.1088/1757-88/1757-	7 pp	4	4		6
2	C Barz, SI Deaconu, T Latinovic, A Berdie, A Pop-Vadean, M Horgos	PLCs used in smart home control	IOP Conference Series: Materials Science and Engineering 106 (1), 012036	2016	doi:10.1088/1757-899X/106/1/012036	6 pp	6	2		6
3	L.N. Tutelea, N. Muntean, S.I. Deaconu, C.D. Cuntan	Dual stator winding variable speed asynchronous generator: magnetic equivalent circuit with saturation, FEM analysis and experiments	IOP Conf. Series: Materials	2016	WOS:000371992900029	10 pp	2	2		4
4	G.N. Popa, C.M. Dinis, S.I. Deaconu, St. Maksay, I. Popa	Modelling of some parameters from thermoelectric power plants	IOP Conf. Series: Materials	2016	WOS:000371992900011	12 pp	1	1		5
5	L N Tutelea, S I Deaconu, G N Popa	Dual stator winding variable speed asynchronous generator: optimal design and experiments	IOP Conf. Series: Materials Science and Engineering 85 (2015) 012010	2015	ISSN: 1757-899X	9 pp	2	1		3
6	G.N. Popa, C.M. Dinis, S.I. Deaconu, St. Maksay, I. Popa	Modelling of some parameters from thermoelectric power plants	IOP Conf. Series: Materials	2016	WOS:000371992900011	12 pp	1	1		5
7	L.N. Tutelea, S.I. Deaconu, G.N. Popa	Reduced cost low speed wind or hydro energy conversion system with twin stator windings induction generator	Power Electronics and Mot	2014	10.1109/EPEPEMC.2014.6980512	317-324	2	1		3

8	L.N. Tutelea, I. Boldea, S. I. Deaconu	Parameter optimal identification of dual three phase stator winding induction machine	Optimization of Electrical and Electronic Equipment (OPTIM), 2014 International Conference on	2014	10.1109/OPTIM.2014.6851016	231-238	2	1	3
9	L.N.Tutelea, S.I.Deaconu, I.Boldea, G.N.Popa	Dual rotor single- stator axial air gap PMSM motor/generator drive for high torque vehicles	International Conference on Applied Sciences (ICAS2013) Book Series: IOP Conference Series- Materials Science and	2014	1757-8981	1-7	2	1	4
10	S.I. Deaconu, G.N. Popa, R. Babău	Study, Design and Industrial Implementation of Capacitive Power Factor Controller for Large Load Fluctuations in Steel Industry	8th International Conference and Exposition on Electrical and Power Engineering, IEEE, EPE, Iași, România	2014	ISBN 978-1-4799-5849-8	962-967	1	1	3
11	L.N.Tutelea, S.I.Deaconu, N.Budisan, I.Boldea,	Double stator winding induction generator for wind and hydro applications: 2D-FEM analysis and optimal design	Power Electronics and Applications (EPE), 2013 15th European Conference on	2013	10.1109/EPE.2013.6634443	10 pp	6	1	4
12	L.N. Tutelea, S.I. Deaconu, I. Boldea, N. Budisan	Design, Control and 2D-FEM Validation for an Double Stator Winding Induction Generator	39th Annual Conference of the IEEE Industrial-Electronics-Society (IECON)	2013	1553-572X / 978-1-4799-0224-8	2732-2737	8	5	4
13	G. N. Popa, C. M. Dinis, S. I. Deaconu	Considerations on the Current Harmonics of Plate-Type Electrostatic Precipitators Power Supplies	ELEKTRONIKA IR ELEKTROTECHNIKA	2013	Vol 19, No 5, Print ISSN: 1302	27-32	3	3	3
14	L.N.Tutelea, S.I.Deaconu, I.Boldea	Design and FEM validation for an axial Single Stator Dual Rotor PMSM	IECON 2012-38th Annual Conference on IEEE Industrial Electronics Society	2012	10.1109/IECON.2012.6389430	2929-2935	4	4	3

15	L.N. Tutelea, I. Boldea, S.I. Deaconu	The Single Stator Dual Rotor PMSM for HEV: Two Windings and 4 Leg Inverter Control	15th International Power Electronics and Motion Control Conference (EPE/PEMC)	2012	978-1-4673-1972-0	DS3a.1-1-DS3a.1-6	2	1	3
16	I.Boldea, L.N.Tutelea, S.I.Deaconu, F.Marignetti	Dual rotor single-stator axial air gap PMSM motor/generator drive for HEVs: A review of comprehensive modeling and performance characterization	Electrical Systems for Aircraft, Railway and Ship Propulsion (ESARS), 2012	2012	10.1109/ESARS.2012.6387498	8 pp	7	6	4
17	G.N.Popa, S.I.Deaconu, I.Popa, C.M.Diniş	Experimental Analysis for Plate-Type Electrostatic Precipitators with Three Sections	OPTIM 2012 , 13 th International Conference on Optimization of Electrical and Electronic Equipment , Brasov , Romania	2012	ISBN: 978-1-4673-1653-8	1274-1279	1		4
18	L.N.Tutelea, I.Boldea, S.I.Deaconu	Optimal design of dual rotor single stator PMSM drive for automobiles	Electric Vehicle Conference (IEVC), 2012 IEEE International	2012	10.1109/IEVC.2012.6183224	8 pp	3	1	3
19	L.N. Tutelea, S.I. Deaconu, I. Boldea, F. Marignetti, G.N. Popa	Design and Control of a Single Stator Dual PM Rotors Axial Synchronous Machine for Hybrid Electric Vehicles	Proc. of the the 2011-14th European Conference on Power Electronics and Applications (EPE 2011)	2011	978-90-75815-15-3	10 pp	5	2	5
20	Popa Gabriel Nicolae, Diniş Corina Maria, Deaconu Sorin Ioan	Numerical Modelling In Plate-Type Electrostatic Precipitator Supplied With Pulse Energization	Proc. of the the 2011-14th European Conference on Power Electronics and Applications (EPE 2011)	2011	978-90-75815-15-3	8 pp	2	1	3
21	Popa Gabriel Nicolae, Diniş Corina Maria, Deaconu Sorin Ioan, Popa Iosif	A Numerical Modeling of Electric Parameters from Industrial Plate-Type Electrostatic Precipitator	INTERNATIONAL CONFERENCE ON INDUSTRIAL TECHNOLOGY (ICIT)	2011, martie 14-16	ISBN 978-1-4244-9066-0	21-26	1		4

22	S.I. Deaconu, L.N. Tutelea, G.N. Popa, T. Latinovici	Mathematical models and the control of homopolar and homo-heteropolar reactive synchronous machines with stator excitation	Advances in Communications, Computers, Systems, Circuits and Devices	2010	1792-6637 / 978-960-474-250-9	78-83					3	3	4
23	S.I. Deaconu, G.N. Popa, A.I. Toma, M. Topor	Modeling and Experimental Analysis for Modernization of 100-t EAF	IEEE Transactions on Industry Applications, DOI 10.1109/TIA.2010.2072977, WOS 000284418600017	2010, 46(6)	0093-9994	2259-2266					7	7	4
24	I. Boldea, M. Topor, F. Marignetti, S.I. Deaconu, L.N. Tutelea	A Novel, Single Stator Dual PM Rotor, Synchronous Machine: topology, circuit model, controlled dynamics simulation and 3D FEM Analysis of Torque Production	Proc. of 12th OPTIM 2010, PTS I-IV, Brasov, Romania	2010	1842-0133	343-					11	3	5
25	Popa Gabriel Nicolae, Vaida Victor, Deaconu Sorin Ioan, Șora Ioan	An Analysis on the Optimal Fields Number of the Plate-Type Electrostatic Precipitators used in a Thermoelectric Power Plant	OPTIM 2010: PROCEEDINGS OF THE 12TH INTERNATIONAL CONFERENCE ON OPTIMIZATION OF	2010, mai 20-21	ISSN 1842-0133	232-239					6		4
26	S.I. Deaconu, M. Topor, G.N. Popa, D. Bistriean	Experimental Study And Comparative Analysis Of Transients Of Induction Motor With Soft Starter Startup	Advances in Electrical and Computer Engineering, DOI 10.4316/AECE.2010.03005, WOS	2010, Vol. 10, Issue 3	1582-7445	27-33					6	6	4
27	A.I. Toma, G.N. Popa, A. Iagăr, S.I. Deaconu	Experimental Analysis Of Electric Parameters Of A 100 T UHP Electric Arc Furnace	2010 IEEE International Conference on Industrial Technology (ICIT), Vina del Mar, Chile	2010	ISBN 978-1-4244-5695-6, 2010-03-	919-924					3	3	4
28	Deaconu Sorin Ioan, Topor Marcel, Popa Gabriel Nicolae, Popa Iosif	Comprehensive Analysis for Modernization of 100 t Electric Arc Furnace for Steel Production	44th Annual Meeting of the IEEE-Industry-Applications-Society, 2009 Houston, Texas, USA, WOS 000275738800021	2009, oct. 04-08	ISSN 0197-2618, ISBN 978-1-	143-148					4	3	4

29	Gabriel Nicolae Popa, Cristian Abrudean, Sorin Ioan Deaconu, Iosif Popa, Victor Vaida	A case study of ESP electrical characteristics from a thermal power station	Industry Applications Society Annual Meeting, 2009. IAS 2009. IEEE	2009	978-1-4244-3476-3	6 pp					9	1		5
30	S.I. Deaconu, M. Topor, L. Tutelea, G.N. Popa, C. Abrudean,	Mathematical Model of a Reactive Homopolar Synchronous Machine with Stator Excitation	13th European Conference on Power Electronics and Applications	2009	978-1-4244-4432-8	2269-					4	2		5
31	G.N.Popa S.I.Deaconu C.M.Diniş, A.lagăr	Implementation of a numerical distance relay for the 110kV electric lines	Proceedings of the 13th WSEAS international conference on Systems, Rodos, Greece—July 22 - 24	2009	ISBN: 978-960-474-097-0	271-276					3	1		4
32	S.I. Deaconu, M. Topor, L. Tutelea, G.N. Popa, C. Abrudean	Modeling and Experimental Investigations of a Reactive Homopolar Brushless Synchronous Machine	35th Annual Conference of the IEEE Industrial Electronics, (IECON)	2009	978-1-4244-4648-3	1126-1133					4	1		5
33	Popa Gabriel Nicolae, Şora Ioan, Deaconu Sorin Ioan, Diniş Corina Maria, Popa Iosif	An Experimental Investigation of Corona Sound in Pins to Plane Electrostatic Discharge System	Proceedings ICIT 2009, Industrial Technology, IEEE International Conference, Monash University, Melbourne,	2009, 10-13 februarie	ISBN 978-1-4244-3506-7	146-149					1			5
34	S.I.Deaconu, G.N.Popa, I.Popa	Increasing The Energetic Efficiency In Producing Of Electric And Thermal Power In Thermal Power Plants By Using Of Variable Speed	WSEAS Transaction on SYSTEMS	2008	Issue 9, Volume 7, Septembrie, ISSN	834-843					1	1		3
35	Popa Gabriel Nicolae, Deaconu Sorin Ioan, Popa Iosif	Analysis of the Corona Currents from Pins to Plate Geometry	12th WSEAS International Conference on SYSTEMS, NEW ASPECTS OF SYSTEMS, PTS I AND II. Mathematics and	2008, iulie 22-24	ISBN 978-960-6766-83-1	143-148					2	1		3

36	Manuela Panoiu ; Caius Panoiu ; Sorin Deaconu	Study about the possibility of electrodes motion control in the EAF based on adaptive impedance control	2008 13th International Power Electronics and Motion Control Conference	2008	978-1- 4244- 1741-4	1409 -  1415	10	6		3
37	SI Deaconu, L Tutelea, GN Popa, I Popa, C Abrudean	Optimizing the designing of a reactive homopolar synchronous machine with stator excitation	Industrial Electronics, 2008. IECON 2008. 34th Annual Conference of IEEE ...	2008	978-1- 4244- 1767-4, ISSN 1553-	1311 - 1318	6	1		5
<b>Total A3.2.2 -Scopus</b>							145	78		0

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<b>A3.2.3 Google Scholar</b>											
1	I.Boldea, M.Topor, F. Marignetti, S.I. Deaconu, L.N.	A Novel, Single Stator Dual PM Rotor, Synchronous Machine: topology, circuit model, controlled dynamics simulation	Proc. of 12th OPTIM 2010, PTS I-IV, Brasov, Romania	2010	1842-0133	343-351	15	14	3	1,8	5
2	Gabriel Nicolae Popa, Cristian Abrudean, Sorin	A case study of ESP electrical characteristics from a thermal power station	Industry Applications Society Annual Meeting, 2009. IAS 2009. IEEE	2009	978-1-4244-3476-3	6 pp	15	15	1	0,6	5
3	Manuela Panoiu ; Caius Panoiu ; Sorin Deaconu	Study about the possibility of electrodes motion control in the EAF based on	2008 13th International Power Electronics and Motion Control Conference	2008	978-1-4244-1741-4	1409 - 1415	12	11	1	1	3
4	C Barz, SI Deaconu, T Latinovic, A Berdie,	PLCs used in smart home control	IOP Conference Series: Materials Science and Engineering 106 (1), 012036	2016	doi:10.1088/1757-899X/106/	6 pp	11	11	3	1,5	6
5	L.N.Tutelea, S.I.Deaconu, N.Budisan,	Double stator winding induction generator for wind and hydro applications: 2D-FEM analysis and optimal design	Power Electronics and Applications (EPE), 2013 15th European Conference on	2013	10.1109/EPE.2013.6634443	10 pp	10	10	2	1,5	4
6	I.Boldea, L.N.Tutelea, S.I.Deaconu,	Dual rotor single-stator axial air gap PMSM motor/generator drive for HEVs: A review of comprehensive modeling and	Electrical Systems for Aircraft, Railway and Ship Propulsion (ESARS), 2012	2012	10.1109/ESARS.2012.6387498	8 pp	10	10	1	0,75	4
7	S.I.Deaconu, G.N.Popa, A.I.Toma, M.Topor	Modeling and Experimental Analysis for Modernization of 100-t EAF	IEEE Transactions on Industry Applications, DOI 10.1109/TIA.2010.2072977,	2010, 46(6)	0093-9994	2259-2266	10	10	4	3	4
8	G.N.Popa, I Popa, S.I.Deaconu	Automate programabile în aplicații	Editura Mirton, Timișoara	2006	(10) 973-661-911-7, (13) 978-	290 pp	10	10		0	3

9	I.Boldea, N.Muntean, S.I.Deaconu S. A. Nasar, Z. Fu	Distributed anisotropy rotor synchronous (DARSYN) drives—Motor identification and performance	Proc. Int. Conf. Electrical Machines	1992	vol.2	542-546	10	9	5	3	5
10	SI Deaconu, L Tutelea, GN Popa, I Popa, C Abrudean	Optimizing the designing of a reactive homopolar synchronous machine with stator excitation	Industrial Electronics, 2008. IECON 2008. 34th Annual Conference of IEEE ...	2008	978-1-4244-1767-4, ISSN 1553-572X	1311 - 1318	9	9		0	5
11	L.N. Tutelea, S.I. Deaconu, I. Boldea, N. Budisan	Design, Control and 2D-FEM Validation for an Double Stator Winding Induction Generator	39th Annual Conference of the IEEE Industrial-Electronics-Society (IECON)	2013	1553-572X / 978-1-4799-0224-8	2732-2737	8	8	4	3	4
12	L.N. Tutelea, S.I. Deaconu, I. Boldea, F. Marignetti, G.N. Popa	Design and Control of a Single Stator Dual PM Rotors Axial Synchronous Machine for Hybrid Electric Vehicles	Proc. of the the 2011-14th European Conference on Power Electronics and Applications (EPE 2011)	2011	978-90-75815-15-3	10 pp	8	8	3	2,25	4
13	Popa Gabriel Nicolae, Vaida Victor, Deaconu Sorin Ioan, Șora Ioan	An Analysis on the Optimal Fields Number of the Plate-Type Electrostatic Precipitators used in a Thermolectric Power Plant	OPTIM 2010: PROCEEDINGS OF THE 12TH INTERNATIONAL CONFERENCE ON OPTIMIZATION OF ELECTRICAL AND ELECTRONIC EQUIPMENT, PTS I-IV Book Series: Proceedings of the International Conference on Optimization of Electrical and Electronic Equipment, Brașov, ROMANIA, WOS 000291967300031	2010, mai 20-21	ISSN 1842-0133	232-239	8	8		0	4



14	C Barz, C Todea, T Latinovic, DM Preradovic, S Deaconu, A Berdie	Intelligent traffic control system using PLC	IOP Conf. Series: Materials Science and Engineering 144 (2016) 012017	2016	doi:10.1088/1757-899X/144/1/012017	7 pp	7	7	3	1,5	6
15	L.N.Tutelea, I.Boldea, S.I.Deaconu	Optimal design of dual rotor single stator PMSM drive for automobiles	Electric Vehicle Conference (IEVC), 2012 IEEE International	2012	10.1109/IEVC.2012.6183224	8 pp	6	6	1	1	3
16	Deaconu Sorin Ioan, Topor Marcel, Popa Gabriel Nicolae, Popa Iosif	Comprehensive Analysis for Modernization of 100 t Electric Arc Furnace for Steel Production	44th Annual Meeting of the IEEE-Industry-Applications-Society, 2009 IEEE INDUSTRY APPLICATIONS SOCIETY ANNUAL MEETING, IEEE Industry Applications Society Annual Meeting, Houston, Texas, USA, WOS 000275738800021	2009, oct. 04-08	ISSN 0197-2618, ISBN 978-1-4244-3475-6	143-148	6	5	2	1,5	4
17	S.I. Deaconu, M. Topor, L. Tutelea, G.N. Popa, C. Abrudean,	Mathematical Model of a Reactive Homopolar Synchronous Machine with Stator Excitation	13th European Conference on Power Electronics and Applications	2009	978-1-4244-4432-8	2269-2277	6	6	1	0,6	5
18	L.N.Tutelea, S.I.Deaconu, I.Boldea	Design and FEM validation for an axial Single Stator Dual Rotor PMSM	IECON 2012-38th Annual Conference on IEEE Industrial Electronics Society	2012	10.1109/IECON.2012.6389430	2929-2935	5	5		0	3
19	Gabriel Nicolae Popa, CORINA MARIA Diniş, Sorin Ioan Deaconu, ANGELA Iagăr	A prospective on power quality analyze of three sections plate-type electrostatic precipitator supplies	Proceedings of the 11th WSEAS International Conference on Instrumentation, Measurement, Circuits and Systems, IMCAS	2012	ISBN: 978-1-61804-085-5	18-20	5	5		0	4

20	L.N.Tutelea, S.I.Deaconu, I.Boldea, F.Marignetti, G.N.Popa	Quasi-3D FEM Analysis of an Single Stator Dual PM Rotors Axial Synchronous Machine for Hybrid Vehicles	ELECTRIMACS, Cergy-Pontoise, France	2011	ISBN 978-2-7466-3454-1	Pag.1-7	5	5		0	5
21	I.Boldea, L.N.Tutelea, S.I.Deaconu, F.Marignetti	Dual rotor single stator brushless PMSM motor/generator system for full HEVs	Proceedings of the International Conference on ELECTRONICS, COMPUTERS and ARTIFICIAL INTELLIGENCE – ECAI-2011, Vol.4, no.1/2011	2011	ISSN 1843-2115	95-102	5	5		0	4
22	S.I.Deaconu, M.Topor, G.N.Popa, D.Bistriean	Experimental Study And Comparative Analysis Of Transients Of Induction Motor With Soft Starter Startup	Advances in Electrical and Computer Engineering, DOI 10.4316/AECE.2010.03005, WOS 000281805600005	2010, Vol. 10, Issue 3	1582-7445	27-33	5	5	4	3	4
23	S.I. Deaconu, M. Topor, L. Tutelea, G.N. Popa, C. Abrudean	Modeling and Experimental Investigations of a Reactive Homo-Heteropolar Brushless Synchronous Machine	35th Annual Conference of the IEEE Industrial Electronics, (IECON)	2009	978-1-4244-4648-3	1126-1133	5	5		0	5
24	G.N.Popa S.I.Deaconu C.M.Diniş, A.Iagăr	Implementation of a numerical distance relay for the 110kV electric lines	Proceedings of the 13th WSEAS international conference on Systems, Rodos, Greece—July 22 - 24	2009	ISBN: 978-960-474-097-0	271-276	5	5	1	0,75	4
25	G. N. Popa, C. M. Dinis, S. I. Deaconu	Considerations on the Current Harmonics of Plate-Type Electrostatic Precipitators Power Supplies	ELEKTRONIKA IR ELEKTROTECHNIKA	2013	Vol 19, No 5, Print ISSN: 1392-1215	27-32	4	4	2	2	3
26	SI Deaconu, L Tutelea, GN Popa, I Popa	The influence of magnetic saturation towards the induced voltage for homopolar synchronous generator	17th International Conference on Electrical Machines	2006	Paper 486	6 pp	5	5		0	4

27	S.I. Deaconu, L.N. Tutelea, G.N. Popa, T. Latinovici	Mathematical models and the control of homopolar and homo-heteropolar reactive synchronous machines with stator excitation	Advances in Communications, Computers, Systems, Circuits and Devices	2010	1792-6637 / 978-960-474-250-9	78-83	4	4	2	1,5	4
28	T Latinović, Sorin Deaconu, M Latinović, Mihailo Lazarević, Cristian Barz	Intelligent moving service robot navigation technique using RFID technology for transportation inside SMEs	International conference: SMEs development and innovation: building competitive future of South-Eastern Europe	2014	Ohrid, Macedonia	12 pp	3	3		0	5
29	L.N.Tutelea, S.I.Deaconu, I.Boldea, G.N.Popa	Dual rotor single- stator axial air gap PMSM motor/generator drive for high torque vehicles	International Conference on Applied Sines (ICAS2013) Book Series: IOP Conference Series-Materials Science and Engineering Vol: 57 Article No. 012009	2014	1757-8981	1-7	3	3		0	4
30	L.N. Tutelea, I. Boldea, S.I. Deaconu	The Single Stator Dual Rotor PMSM for HEV: Two Windings and 4 Leg Inverter Control	15th International Power Electronics and Motion Control Conference (EPE/PEMC)	2012	978-1-4673-1972-0	DS3a.1-1-DS3a.1-6	3	3		0	3
31	S.I.Deaconu, G.N.Popa, T.Latinovic	Comparative Study for EAF's Reactive Energy Compensation Methods and Power Factor Improvement	WSEAS TRANSACTIONS on SYSTEMS	September 2010	Issue 9, Volume 9, ISSN: 1109-2777	979-988	3	3	2	2	3
32	A.I.Toma, G.N.Popa, A.lagăr, S.I.Deaconu	Experimental Analysis Of Electric Parameters Of A 100 T UHP Electric Arc Furnace	2010 IEEE International Conference on Industrial Technology (ICIT), Vina del Mar, Chile	2010	ISBN 978-1-4244-5695-6, 2010-03-14	919-924	3	3	1	0,75	4

33	G.N.Popa, I.Popa, S.I.Deaconu	Analysis Of The Corona Currents In An Electrostatic Discharge System In Normal Atmospheric Pressure And Temperature	WSEAS Transaction on SYSTEMS	2008	Issue 9, Volume 7, Septembrie, ISSN 1109-2777	814-823	3	2	1	1	3
34	L.N. Tutelea, N. Muntean, S.I. Deaconu, C.D. Cuntan	Dual stator winding variable speed asynchronous generator: magnetic equivalent circuit with saturation, FEM analysis and experiments	IOP Conf. Series: Materials Science and Engineering 85 (2015) 012010	2016	WOS:000371992900029	10 pp	2	2	2	1,5	4
35	L N Tutelea, S I Deaconu, G N Popa	Dual stator winding variable speed asynchronous generator: optimal design and experiments	IOP Conf. Series: Materials Science and Engineering 85 (2015) 012010	2015	ISSN: 1757-899X	9 pp	2	2	1	1	3
36	S.I. Deaconu, G.N. Popa, R. Babău	Study, Design and Industrial Implementation of Capacitive Power Factor Controller for Large Load Fluctuations in Steel Industry	8th International Conference and Exposition on Electrical and Power Engineering, IEEE, EPE, Iași, România	2014	ISBN 978-1-4799-5849-8	962-967	2	2	1	1	3
37	I.Baciu, C.D.Cunțan, S.I.Deaconu, A.Iagăr	The Study of Quality Indicators of Electrical Energy in Electrical Railway Transport	Annals of Faculty Engineering Hunedoara – International Journal of Engineering, Tom IX, Fascicula 4	2011	1453-7397	239-243	2	2	1	0,75	4
38	Popa Gabriel Nicolae, Diniș Corina Maria, Deaconu Sorin Ioan	Numerical Modelling In Plate-Type Electrostatic Precipitator Supplied With Pulse Energization	Proc. of the the 2011-14th European Conference on Power Electronics and Applications (EPE 2011)	2011	978-90-75815-15-3	8 pp	2	2	1	1	3
39	T.Latinovic, M.Latinovic, S.I.Deaconu	Genetic fuzzy algorithm used for robot navigation	Scientific Proceedings, Faculty of Engineering, STU in Bratislava	2009		6 pp	2	2	1	1	3
40	Tihomir Latinovic, Sorin Deaconu, Gencho Popov, Marcel Topor	Intelligent workcell robot system in manufacturing with ABB IRB 2000	Future, Journal	2011		43-44	2	2		0	4

41	S.I.Deaconu, G.N.Popa, I.Popa	Increasing The Energetic Efficiency In Producing Of Electric And Thermal Power In Thermal Power Plants By Using Of Variable Speed	WSEAS Transaction on SYSTEMS	2008	Issue 9, Volume 7, Septembrie, ISSN 1109-2777	834-843	2	2	2	2	3
42	S.I.Deaconu, M.Topor, G.N.Popa	Study of the Induction Generators with Short-Circuited Rotor in Autonomous Regime	Buletinul Universității din Craiova, vol. 34, no. 2	2010	1842-4805	111-116	1	1	1	1	3
43	Deaconu Sorin Ioan, Topor Marcel	Torque Control of Reactive Homopolar Brushless Synchronous Machine For Traction Applications	The 18th national conference on electrical drive (CNAE), ACTA Electrotechnica	2016	Volumul 57, nr. 3-4	404-410	1	1		0	2
44	G.N. Popa, C.M. Dinis, S.I. Deaconu, St. Maksay, I. Popa	Modelling of some parameters from thermoelectric power plants	IOP Conf. Series: Materials Science and Engineering	2016	WOS:000371992900011	12 pp	1	1	1	0,6	5
45	TS Latinovic, SI Deaconu, MT Latinović, N Malešević, C Barz	Develop virtual joint laboratory for education like distance engineering system for robotic applications	IOP Conference Series: Materials Science and Engineering, vol. 85	2015	ISSN: 1757-899X	8 pp	1	1	1	0,6	5
46	I Popa, GN Popa, SI Deaconu, A Iagăr	Spotting the earth connection and short circuits between the electric conductors, using DC bridges for resistance measurements	IOP Conference Series: Materials Science and Engineering	2015	ISSN: 1757-899X	8 pp	1	1		0	4
47	L.N. Tutelea, S.I. Deaconu, G.N. Popa	Reduced cost low speed wind or hydro energy conversion system with twin stator windings induction generator	Power Electronics and Motion	2014	10.1109/PEPEMC.2014.6980512	317-324	1	1	1	1	3
48	L.N. Tutelea, I. Boldea, N. Muntean, S.I. Deaconu	Modeling and performance of novel scheme dual winding cage rotor variable speed induction generator with DC link power delivery	Energy Conversion Congress and Exposition (ECCE), 2014 IEEE	2014	10.1109/ECC.2014.6953404	271 - 278	1	1		0	4

49	M. Topor, S.I. Deaconu, L.N. Tutelea	Homo-heteropolar synchronous machine for low power variable speed wind or hydro applications: Design, 3D FEM validation and control	16th EPE'14-ECCE Europe	2014	10.1109/PE.2014.6910885	10pp	1	1	1	1	3
50	Iosif Popa, Gabriel Nicolae Popa, Corina Maria Diniş, Sorin Ioan Deaconu	Upon Achievement of the Usual Functions of Time with PS-3 PLC Klöckner-Moeller	6th International Multidisciplinary Scientific Symposium Universitaria SIMPRO	2014		283-288	1	1		0	4
51	L.N. Tutelea, I. Boldea, S. I. Deaconu	Parameter optimal identification of dual three phase stator winding induction machine	Optimization of Electrical and Electronic Equipment (OPTIM), 2014 International Conference on	2014	10.1109/OPTIM.2014.6851016	231-238	1	1		0	3
52	S.I.Deaconu, R.Deaconu, T.Latinovic	High Power Static Converters in Industry Applications	Annals of the Faculty of Engineering Hunedoara	2013	Volumul 11	301-304	1	1		0	3
53	Tihomir Latinovic, Sorin I Deaconu, Remiquez Labudski, Marcel Topor	Intelligent approach for mobile robot simulator with robosim software	DEMI 2013 Conference Proceedings, Banja Luka (Bosnia and Herzegovina,)	2013	Vol.2	857-862	1	1		0	4
54	Tihomir Latinovic, Mihailo Lazarevic, Sorin Deaconu, Gabor Sziebig, Goran Milošević	Fuzzy logic combined with neural algorithm to control industrial robot	DEMI 2013 Conference Proceedings, Banja Luka (Bosnia and Herzegovina,)	2013	Vol.2	1119-1024	1	1		0	5
55	G.N.Popa, S.I.Deaconu, I.Popa, C.M.Diniş	Experimental Analysis for Plate-Type Electrostatic Precipitators with Three Sections	OPTIM 2012 , 13 th International Conference on Optimization of Electrical and Electronic Equipment , Brasov , Romania	2012	ISBN: 978-1-4673-1653-8	1274-1279	1	1		0	4
56	G.N.Popa, S.I.Deaconu, I.Popa, C.M.Diniş	New Trends in Detection of Back-Corona Discharges in Plate-Type Electrostatic Precipitators	Acta Technica Corviniensis - Buletin of Engineering	2012	2067-3809	93-96	1	1		0	4

57	A.Iagăr, S.I.Deaconu, C.D.Cunțan, I.Baciu	Harmonic Analysis of a high Speed Automatic Reclosing on a 400 kv Overhead Transmission Line	Recent Researches in Circuits and Systems, Proceedings of the 16th WSEAS International Conference on SYSTEMS, Kos Island, Greece, July 14-17	2012, 14-17 iulie	ISBN: 978-1-61804-108-1	219-224	1	1	1	0,75	4
58	S.I.Deaconu, G.N.Popa	Experimental Survey For Reducing The Flicker Effect And The Deforming Regime Produced By EAFs	Recent Researches in Circuits, Systems, Communications and Computers, Proceedings of the 2th European Conference of Systems ECS 2011, Puerto de la Cruz, Tenerife, Spain	2011	ISBN 978-1-61804-056-5, 2011	149-154	1	1		0	2
59	Tihomir Latinovic, Sorin Deaconu, Milosav Djurdjevic, Mirko Dobrnjac	THE BASICS OF DESIGNING CONTROLLERS FOR INDUSTRIAL ROBOTS (EG. ROBOTS ABB IRB 2000)	Acta Technica Corviniensis - Buletin of Engineering	2011	Tom 4, Fascicula 3, ISSN 2067-3809	101-104	1	1		0	4
60	G.N.Popa, S.I.Deaconu, C.M.Diniș, A.Iagăr	A Case Study of An Analogical Distance Relay for the 110kV Electric Power Lines	WSEAS TRANSACTIONS on SYSTEMS	2010	Issue 10, Volume 9, October, ISSN: 1109-2777	1063-1072	1	1	1	0,75	4
61	Popa Gabriel Nicolae, Deaconu Sorin Ioan, Popa Iosif	Analysis of the Corona Currents from Pins to Plate Geometry	12th WSEAS International Conference on SYSTEMS, NEW ASPECTS OF SYSTEMS, PTS I AND II. Mathematics and Computers in Science and Engineering, Heraklion, GREECE, WOS 000260669900020	2008, iulie 22-24	ISBN 978-960-6766-83-1	143-148	1	1		0	3

62	Popa Gabriel Nicolae, Diniş Corina Maria, Deaconu Sorin Ioan, Popa Iosif	A Numerical Modeling of Electric Parameters from Industrial Plate-Type Electrostatic Precipitator	2011 IEEE INTERNATIONAL CONFERENCE ON INDUSTRIAL TECHNOLOGY (ICIT), AUBURN, ALABAMA, USA, WOS 000298735100003	2011, martie 14-16	ISBN 978- 1-4244- 9066-0	21-26	1	1		0	4
63	S.I.Deaconu, G.N.Popa, M.Topor, T.Latinovic	Improvement Of The EAF Energetic Parameters Using Capacitive-Inductive Filters	Last Trends on Systems, Proceedings of the 14th WSEAS International Conference on Systems, Corfu Island, Greece	2010	ISBN 978- 960-474- 199-1, ISSN 1792 4235	474- 479	1	1		0	4
64	Sorin Ioan Deaconu, Lucian Nicolae Tutelea, POPA Gabriel Nicolae, Tihomir Latinovic	Artificial loading for rotating electric machines	International Symposium on Advanced Engineering & Applied Management-40th Anniversary in Higher Education	2010	vol.11	213-  218	1	1		0	4
65	Popa Gabriel Nicolae, Şora Ioan, Deaconu Sorin Ioan, Diniş Corina Maria, Popa Iosif	An Experimental Investigation of Corona Sound in Pins to Plane Electrostatic Discharge System	Proceedings ICIT 2009, Industrial Technology, IEEE International Conference, Monash University, Melbourne, Victoria, Australia	2009, 10-13 februarie	ISBN 978- 1-4244- 3506-7	146- 149	1	1		0	5
66	Popa Gabriel Nicolae, Şora Ioan, Vaida Victor, Deaconu Sorin Ioan, Popa Iosif	Solutions To Improve Dust Collection With Plate-Type Electrostatic Precipitators	PROCEEDINGS OF THE 9TH WSEAS INTERNATIONAL CONFERENCE ON AUTOMATION AND INFORMATION. Book Series: Recent Advances in Electrical Engineering, Bucharest, ROMANIA, WOS 000258497000046,	2008, iunie 24-26	ISBN 978- 960-6766- 77-0	282- 287	1	1		0	5





<b>3.3. Prezentări invitate în plenul unor manifestări științifice naționale și internaționale și profesor invitat</b>					
<b>Nr. crt.</b>	<b>Autor</b>	<b>Titlu prezentare</b>	<b>Conferința</b>	<b>Anul</b>	<b>Punctaj</b>
<b>3.3.1. Internaționale</b>					
1	Deaconu Sorin Ioan	ELECTRIC POWER GENERATION WITH VARIABLE SPEED IN MICROHYDRO AND WIND POWER PLANT	SYSTEMS 2009 , 13TH WSEAS INTERNATIONAL CONFERENCE	2009	20,00
2	Deaconu Sorin Ioan	Dual rotor single inverter and single stator PMSM for HEVs	RECENT RESEARCHES IN CIRCUITS AND SYSTEMS , 16 th	2012	20,00
3	Deaconu Sorin Ioan	DUAL STATOR WINDING CAGE INDUCTION GENERATOR FOR WIND OR HYDRO VARIABLE SPEED LOW POWER CONVERSION ENERGY SYSTEM	DEMI 2017 , 13 th INTERNATIONAL CONFERENCE ON ACCOMPLISHMENT in MECHANICAL and INDUSTRIAL	2017	20,00
<b>Total 3.3.1</b>					<b>60,00</b>
<b>Total A.3.3</b>					<b>60,00</b>

<b>3.4. Membru în colectivele de redacție sau comitete științifice al revistelor și manifestărilor științifice. Organizator de</b>					
	<b>Conferința/Revista</b>		<b>Poziția</b>	<b>Anul</b>	<b>Punctaj</b>
<b>3.4.1. ISI</b>					
1	International Conference on Applied Science ICAS 2014		Membru în comitetul de organizare	2014	10,00
2	International Conference on Applied Science ICAS 2015		Membru în comitetul științific	2015	10,00
3	International Conference on Applied Science ICAS 2016		Chairman	2016	10,00
4	13th WSEAS International Conference on Systems, Rhodes Island, Greece		Membru în comitetul științific	2018	10,00
<b>Total 3.4.1</b>					<b>40,00</b>
<b>3.4.2. BDI</b>					
1	Journal of Electrical Engineering, Politehnica Publishing House		Editor asociat	2014	6,00
2	13 th INTERNATIONAL CONFERENCE ON ACCOMPLISHMENT in MECHANICAL and INDUSTRIAL ENG		Membru în comitetul științific	2017	6,00
3	11 th INTERNATIONAL CONFERENCE ON ELECTROMECHANICAL and POWER SYSTEMS, Chișinău, N		Membru în comitetul științific	2013	6,00
4	12th WSEAS Conference on Electronics, Hardware, Wireless and Optical Communications EHAC 2013, Ca		Membru în comitetul științific	2013	6,00
5	15th WSEAS International Conference in Automatic Control, Modeling & Simulation ACMOS 2013, Brasov,		Membru în comitetul științific	2013	6,00
6	9th WSEAS International Conference on Dynamical Systems and Control.		Membru în comitetul științific	2013	6,00
7	6th International Conference in Sensor and Signal, SENSIG 2013, Lemesos, Cyprus		Membru în comitetul științific	2013	6,00
8	1st WSEAS International Conference on Antennas and Propagation, ANPRO 2013, Dubrovnik, Croația		Membru în comitetul științific	2013	6,00
9	International Conference on Computer Generated Imagery, Milan CGI 2013, Milano, Italy		Membru în comitetul științific	2013	6,00
10	International Conference in Computer Generated Design, Milan CGD 2013, Milano, Italy		Membru în comitetul științific	2013	6,00
11	1st International Conference on Electronics and Electrical Engineering, ELEL 2013, Valencia, Spain		Membru în comitetul științific	2013	6,00
12	12th WSEAS International Conference on Applications of Electrical Engineering - AEE 2013, Cambridge, US		Membru în comitetul științific	2013	6,00
13	16th WSEAS International Conference on Circuits		Membru în comitetul științific	2012	6,00
14	5th WSEAS International Conference on Sensor and Signals, SENSIG 2012, Sliema, Malta		Membru în comitetul științific	2012	6,00
15	3rd European Conference of Circuits tehnology and Devices, ECCTD 2012, Paris, France		Membru în comitetul științific	2012	6,00
16	3rd International Conference on circuits, systems, control, signals CSCS 2012, Barcelona, Spain		Membru în comitetul științific	2012	6,00
17	16th WSEAS International Conference on COMMUNICATIONS, Kos Island, Greece		Membru în comitetul științific	2012	6,00

18	International Conference on Applied Science ICAS 2018	ru în comitetul de orga	2009	6,00
19	16th WSEAS Int. Conf. on SYSTEMS	Chairman	2012	6,00
<b>Total 3.4.2</b>				<b>114,00</b>
<b>3.4.3.</b>	<b>Neindexate</b>			
<b>Total 3.4.3</b>				<b>0,00</b>

<b>3.4.1 Recenzor pentru reviste si manifestari stiintifice internationale si nationale indexate ISI</b>					
Nr	Revista	ID Articol	Titlu Articol	Index	Punctaj
1	IEEE Transactions on Industrial Electronics	09-1325-TIE	Modeling and simulation of wave energy generation plants: Output power control	ISI	10
2	IEEE Transactions on Industrial Electronics	09-1560-TIE	The Provision of Frequency Control Reserves from Multiple Micro-Grids	ISI	10
3	IEEE Transactions on Industrial Electronics	09-1508-TIE.R1	New Coordinated Control Design for Thermal Power Generation Units	ISI	10
4	IEEE Transactions on Industrial Electronics	10-0780-TIE	New real-time market facilitating demand-side resources for system balancing	ISI	10
5	IEEE Transactions on Industrial Electronics	10-0746-TIE	Energy management and power planning of a microgrid with a PV-based active generator for Smart Grid Applications	ISI	10
6	IEEE Transactions on Industrial Electronics	10-0746-TIE.R1	Energy management and power planning of a microgrid with a PV-based active generator for Smart	ISI	10
7	IEEE Transactions on Industry Applications	2010-PSEC-558	Power System Optimization for Industrial Facilities Using Power Studies	ISI	10
8	IEEE Transactions on Industry Applications	2010-PSEC-558.R1	Power System Optimization for Industrial Facilities Using Power Studies	ISI	10
9	ICIT 2010	VD-004707	A Novel Low Cost Inverter for Extended Torque-Speed Characteristics of Spindle Motor	ISI	10
10	IEEE Transactions on Industrial Electronics	11-0931-TIE	Modeling, Analysis, and Design of Stationary Reference Frame Droop Controlled Parallel Three-Phase Voltage Source Inverters	ISI	10
11	European Transaction on Electrical Power	ETEP-11-0236	Experimental and Analytical Parameter Sensitivity Analysis of Indirect Field Oriented Control	ISI	10

12	The International Journal for Computation and	COMPEL-May-2011-0073	Thermal radiation modeling the inner part of three phases AC arc furnace using new method for	ISI	10
13	European Transaction on Electrical Power	ETEP-11-0118	A wide nonlinear analysis of reactive power time series related to electric arc furnaces	ISI	10
14	European Transaction on Electrical Power	ETEP-12-0262	Current Balancer based Grid-Connected Parallel Inverters for High Power Wind System	ISI	10
15	IECON 2012	MR-011479	Control of Induction Machines on an Electric Vehicle with Maximum Torque and Efficiency via the Optimal Slip Factor	ISI	10
16	IECON 2012	MR-011444	A Precise Open Loop Torque Control for an Interior Permanent Magnet Synchronous Motor (IPMSM) considering Iron Losses	ISI	10
17	European Transaction on Electrical Power	ETEP-12-0094	Methods of Research Related to Slot Ripple EMF in Machines with Multi-Phase Integral- Slot Winding Q	ISI	10
18	European Transaction on Electrical Power	ETEP-12-0095	Methods of Research Related to Slot Ripple EMF in Large Double-Fed Machines	ISI	10
19	European Transaction on Electrical Power	ETEP-12-0085	Theoretical Modeling of Axial Flux Squirrel Cage Induction Motor Considering both Saturation and	ISI	10
20	European Transaction on Electrical Power	ETEP-12-0003	Passivity Based Controller for Buck Converter	ISI	10
21	European Transaction on	ETEP-13-0421	Dynamic Multiphase Induction Machine Models for Smart Drive	ISI	10
22	European Transaction on	ETEP-13-0243	Vector Control of Permanent Synchronous Motors based on	ISI	10
23	European Transaction on	ETEP-13-0060.R1	A Novel Single Phase Matrix Converter Drive for Industrial	ISI	10
24	IECON 2013	VD-028436	Harmony Search Method-based	ISI	10
25	IECON 2013	VD-020877	A Study on Simulation of Disc	ISI	10
26	European	ETEP-13-0024	Characterization and Harmonic	ISI	10
27	Energy and Power	ID Articol 6201489	Design Method Based on	ISI	10
28	European	ETEP-13-0060	A Novel Single Phase Matrix	ISI	10
29	European	ETEP-12-0617	An analysis of improved current	ISI	10
30	IEEE Transaction on	WP32	Improving Efficiency of a PMSM	ISI	10
31	European	ETEP-14-0295	Direct Active and Reactive Control	ISI	10

32	IEEE Transaction on	MAGCON-14-03-	Performance of Novel PMSM	ISI	10
33	IEEE Transaction on	MAGCON-14-03-	Optimization Design of the Planar	ISI	10
34	European	ETEP-14-0155	Comparison of Three Current	ISI	10
35	IEEE Transaction on	MAGCON-14-03-	An Analytical Method Combining	ISI	10
36	EPE 2014	41837	Passivity-Based Control of the DC-	ISI	10
37	EPE 2014	41837	The PMSM efficiency at variable	ISI	10
38	EPE 2014	41837	A speed servo drive with	ISI	10
39	EPE 2014	41837	Error analysis of calculating	ISI	10
40	EPE 2014	41820	Modeling, Simulation and	ISI	10
41	EPE 2014	41808	Smart energy management in	ISI	10
42	EPE 2014	41808	Optimization of a Combined Cool,	ISI	10
43	EPE 2014	41766	Transformator electronic pentru	ISI	10
44	International Journal	IJEPES-D-15-	Electric Gear Topology by Stator	ISI	10
45	IECON 2015	YD-002755		ISI	10
46	European	ETEP-16-0428	Optimal tuning of a boost PFC	ISI	10
47	European	ETEP-16-0428.R2	Optimal tuning of a boost PFC	ISI	10
48	European	ETEP-16-0428.R3	Optimal tuning of a boost PFC	ISI	10
49	European	ETEP-16-0776	Optimal vehicle to grid scheduling	ISI	10
50	European	ETEP-16-0849.R3	A novel MTPA theory based	ISI	10
51	European	ETEP-16-0849	A novel MTPA theory based	ISI	10
52	European	ETEP-16-0849.R1	A novel MTPA theory based	ISI	10
53	European	ETEP-16-0680.R1	PEM Fuel Cell/Super-capacitor	ISI	10
54	European	ETEP-16-0680.R1	PEM Fuel Cell/Super-capacitor	ISI	10
55	European	ETEP-16-0582	Managing and minimizing cost of	ISI	10
56	European	ETEP-16-0419	High gain boost DC-DC	ISI	10
57	European	ETEP-16-0419.R1	High gain boost DC-DC	ISI	10
58	EPE 2016	42577	Electrical Machine Solutions for	ISI	10
59	EPE 2016	42577	Tridimensional Modeling for a DC,	ISI	10
60	IEEE Transactions	16-TIE-1349	Hybrid Space Vector Modulation	ISI	10
61	IEEE Transactions	TPEL-Reg-2016-	Modular Tri-port High-Power	ISI	10
62	IEEE Transactions	TPEL-Reg-2016-	Modular Tri-port High-Power	ISI	10
63	International	ITEES-17-0525	Torque control schemes of an	ISI	10
64	International	ITEES-17-0525.R1	Torque control schemes of an	ISI	10
65	International	ITEES-17-0059	Modeling and analysis of power	ISI	10
66	International	ITEES-17-0059.R1	Modeling and analysis of power	ISI	10
67	International	ITEES-17-0059.R2	Modeling and analysis of power	ISI	10

68	IEEE Transactions	2017-EMC-1490	Oceanic Wave Energy Conversion	ISI	10
69	IEEE Transactions	2017-EMC-	Oceanic Wave Energy Conversion	ISI	10
70	JESTPE	2017-09-0611	Harmonic Current Control Strategy	ISI	10
71	IEEE Transactions	17-TIE-3642.R1	Networked Fuzzy Predictive	ISI	10
72	IEEE Transactions	17-TIE-3642	Networked Fuzzy Predictive	ISI	10
73	IECON 2017	BR-003484	On-Line Stator Winding	ISI	10
74	IECON 2017	BR-065234	Design Optimization and	ISI	10
75	Transactions on	TCCI-D-17-00015	Fuzzy Logic and PD Control	ISI	10
76	EPE 2018	43346	Fractional Slot Permanent Magnet	ISI	10
77	EPE 2018	43345	Low Speed Permanent Magnet	ISI	10
78	EPE 2018	43313	Analysis of Electrical Energy Flow	ISI	10
79	EPE 2018	43349	Magnetic Circuit Segmentation	ISI	10
80	International	ITEES-18-0772	Electric Vehicles Management	ISI	10
81	IEEE Transactions	18-TIE-2525	Analytical Modelling of	ISI	10
82	JESTPE	2018-08-0667	A Novel Predictive Fuzzy Logic-	ISI	10
83	IEEE Transactions	18-TIE-1799	Multi-physical Fields of Rotor	ISI	10
84	International Journal	IJEPES-2018-8	Developing the Full Field Wind	ISI	10
85	International Journal	IJEPES-2018-8-	Developing the Full Field Wind	ISI	10
86	International Journal	IJEPES-2018-8-	Developing the Full Field Wind	ISI	10
87	JESTPE	2018-02-0188	Analytical control method of	ISI	10
88	JESTPE	2018-07-0607	Analysis for the Minimization of	ISI	10
89	JESTPE	2018-08-0667.R1	A Novel Predictive Fuzzy Logic-	ISI	10
90	JESTPE	2018-07-0607.R1	Analysis for the Minimization of	ISI	10
91	IEEE Transactions	18-TIE-2525.R1	Analytical Modelling of	ISI	10
	<b>Total ISI</b>	<b>91</b>			<b>910</b>

### 3.4.2 Recenzor pentru reviste si manifestari stiintifice internationale si nationale indexate BDI

	Revista/Conferința	Data recenziei	Titlu Articol	Index	Punctaj
1	JEE Journal,	41149	DETERMINATION OF OPTIMOM	INSP	
2	JEE Journal,	41205	Autonomous Cascaded	INSP	
3	JEE Journal,	41019	Tier based Classification of Data	INSP	
4	JEE Journal,	41011	IPM CLAW-POLE ALTERNATOR	INSP	
5	JEE Journal,	41022	ECONOMIC LOAD DISPATCH	INSP	
6	JEE Journal,	41011	SIMPLEIFIED DECOUPLED PWM	INSP	
7	JEE Journal,	41011	ROBUST DTC OF AN	INSP	

8	JEE Journal,	41043	CUK CONVERTER BASED VSI	INSP	
9	JEE Journal,	41041	Transformer protection using MLE	INSP	
10	JEE Journal,	41041	Position&Sensorless Speed	INSP	
11	JEE Journal,	41047	Nonconvex Economic Load	INSP	
12	JEE Journal,	41051	SIMPLEIFIED DECOUPLED PWM	INSP	
13	JEE Journal,	41072	NEW APPROACH IN DIRECT	INSP	
14	JEE Journal,	41072	DEVELOPMENT OF A SPEED	INSP	
15	JEE Journal,	41072	Automatic Power Factor	INSP	
16	JEE Journal,	41072	ANALYSIS OF DIRECT TORQUE	INSP	
17	JEE Journal,	41102	COMPUTER-BASED NOVEL	INSP	
18	JEE Journal,	41102	Energy Efficient Control Technique	INSP	
19	JEE Journal, Politehnica	41102	A FUZZY SLIDING MODE STRATEGY FOR CONTROL OF	INSP EC	
20	JEE Journal, Politehnica	41105	DYNAMIC ANALYSIS OF A NEW CONNECTION FOR DUAL	INSP EC	
21	JEE Journal, Politehnica	41110	SPEED SENSORLESS INDIRECT FIELD ORIENTED CONTROL OF	INSP EC	
22	JEE Journal, Politehnica Publishing House	41113	Testing and Control of TSC-TCR type Static Var Compensator (SVC) Using Microcontroller	INSP EC	
23	JEE Journal, Politehnica Publishing House	41123	Grid Connected Photovoltaic System Using MATLAB/SIMULINK	INSP EC	
24	JEE Journal, Politehnica Publishing House	41133	AN AUTOMATED NOVEL SYSTEM FOR DETERMINING THE CHARACTERISTICS, LOSSES AND EFFICIENCY OF DC MOTORS	INSP EC	
25	JEE Journal, Politehnica Publishing House	41133	Transient fault Detection and Analysis of Distribution Transformers using Transform based Techniques	INSP EC	
26	JEE Journal, Politehnica Publishing House	41133	IRRIGATION BASED ON SOLAR TRACKING SYSTEM WITH TELEMETRY	INSP EC	
27	JEE Journal, Politehnica Publishing House	41281	A NOVEL METHOD OF INDUCTION MOTOR OPERATING MECHANISM USING NEURAL NETWORK	INSP EC	
28	JEE Journal, Politehnica Publishing House	41149	AN APPROACH FOR LOCATION OF TRANSMISSION LINE FAULTS BY WAVELET ANALYSIS	INSP EC	

29	JEE Journal, Politehnica Publishing House	41156	SIGNAL PROCESSING BASED SVM CLASSIFIER FOR MIXED FAULT DETECTION IN INDUCTION MOTOR	INSP EC	
30	JEE Journal, Politehnica Publishing House	41172	SIMPLEIFIED DECOUPLED PWM ALGORITHM FOR DIRECT TORQUE CONTROLLED INDUCTION MOTOR DRIVES	INSP EC	
31	OPTIM 2012	RD-004065	The Influence of the Winding Type on the Noise Level of Two-Speed Three-Phase Induction Motor	IEEE xplore	
32	EPE 2012	41135	Design of a Simple Linear Generator for a Gymnasium	IEEE xplore	
33	EPE 2012	41150	Regarding the Types and Functional Characteristics of Some Piezoelectrical-Ultrasonic Micromotors	IEEE xplore	
34	EPE 2012	41131	The importance of choosing the value of current density in the stator windings on the cost and efficiency of the synchronous generator	IEEE xplore	
35	EPE 2012	41123	Building an electric model model and implementation of an obstacle avoidance algorithm	IEEE xplore	
36	EPE 2012	41122	Performance assessment of an Integrated Starter Alternator for Hybrid	IEEE xplore	
37	EPE 2012	41127	The influence of the stator magnetic yoke magnetic induction variation, $B_{j1}$ , upon the geometric dimensions, cost and efficiency of the synchronous generator	IEEE xplore	
38	EPE 2012	41122	Error and Drift Attenuation for Wheel Slip Measurement of a Prototype Electric Vehicle	IEEE xplore	
39	EPE 2012	41127	Detection of Broken Bars and Rings in Induction Machines	IEEE xplore	
40	EPE 2012	41127	Online Estimation of the Stator Resistance of a PMSM with Consideration of Magnetic Saturation	IEEE xplore	



41	EPE 2012	41131	Comparison of Two Common Configurations of LSRM: Transverse Flux and Longitudinal Flux	IEEE xplore	
42	JEE Journal, Politehnica Publishing House	41164	Load Frequency Control Single Area Power	INSP EC	
43	JEE Journal, Politehnica Publishing House	41183	Embedded Implementation of Zero	INSP EC	
44	JEE Journal, Politehnica Publishing House	41187	Flicker Contribution of Induction Generators in Wind Energy Conversion Systems	INSP EC	
45	JEE Journal, Politehnica Publishing House	41229	Role of ICT in Smart Grid	INSP EC	
46	JEE Journal, Politehnica Publishing House	41233	IDENTIFICATION OF MAXIMUM LOADING POINT IN POWER SYSTEM UNDER CRITICAL LINE OUTAGE CONDITION	INSP EC	
47	JEE Journal, Politehnica Publishing House	41234	SYNTHESIS OF NON-UNIFORM LINEAR ANTENNA ARRAY GEOMETRY WITH DEEPER NULLS USING REAL CODED GENETIC ALGORITHM	INSP EC	
48	JEE Journal, Politehnica Publishing House	41246	OPTIMIZATION OF ELECTRICITY TARIFFS FOR PEAK LOAD BALANCING AT THE DOMESTIC LEVEL	INSP EC	
49	JEE Journal, Politehnica Publishing House	41381	REVERSE DELETE ALGORITHM BASED RESTORATION OF POWER IN DISTRIBUTION NETWORKS	INSP EC	
50	JEE Journal, Politehnica Publishing House	41255	High frequency Lumped parameter model for EMI Problems and over voltage Analysis of induction motor	INSP EC	
51	JEE Journal, Politehnica Publishing House	41255	Wireless Power Transmission & Charging of Batteries in Multiple Electronic Accessories	INSP EC	
52	JEE Journal, Politehnica Publishing House	41287	THE INVESTIGATIONS AND 2-D COMPUTATIONS OF ELECTROMAGNETIC FIELDS AND FORCES DISTRIBUTION OF SQUIRREL CAGE INDUCTION MOTOR WITH BROKEN END RINGS	INSP EC	

53	JEE Journal, Politehnica Publishing House	41281	COMPARISON OF SPACE VECTOR PWM AND SINUSOIDAL PWM TECHNIQUE FOR VOLTAGE SAG MITIGATION	INSP EC	
54	JEE Journal, Politehnica Publishing House	41286	INDIRECT VECTOR CONTROLLED INDUCTION MOTOR DRIVE WITH FUZZY LOGIC BASED INTELLIGENT CONTROLLER	INSP EC	
55	JEE Journal, Politehnica Publishing House	41289	Wireless Power Transmission & Charging of Batteries in Multiple Electronic Accessories	INSP EC	
56	JEE Journal, Politehnica Publishing House	41298	Voltage sag mitigation of 30 bus system using Dynamic Voltage Restorer.	INSP EC	
57	JEE Journal, Politehnica Publishing House	41298	Performance Analysis of Three Phase On-Line UPS Using Single Stage Power Converter	INSP EC	
58	JEE Journal, Politehnica Publishing House	41318	DIAGNOSTICS OF IGNITION SYSTEMS	INSP EC	
59	JEE Journal, Politehnica Publishing House	41344	ARTIFICIAL NEURAL NETWORK CONTROLLED PMSM, DFIM AND IM DRIVES	INSP EC	
60	JEE Journal, Politehnica Publishing House	41527	VDR-SVPWM BASED DTC OF OPEN END WINDING INDUCTION MOTOR DRIVE FOR REDUCTION OF CURRENT RIPPLE	INSP EC	
61	JEE Journal, Politehnica Publishing House	41527	DC LINK FAULT DETECTION IN AN INDUCTION MOTOR DRIVE USING WAVELET PACKET TRANSFORM	INSP EC	
62	JEE Journal, Politehnica Publishing House	41318	Torque Ripple Minimization of Dual Direct Torque Control of Doubly Fed Induction Machine Using Fuzzy Logic	INSP EC	
63	JEE Journal, Politehnica Publishing House	41340	A NOVEL DIRECT DRIVE SENSORLESS MPPT CONTROLLER FOR	INSP EC	
64	JEE Journal, Politehnica Publishing House	41346	SENSORLESS SPEED CONTROL OF INDUCTION MOTOR BASED ON FUZZY SLIDING MODE OBSERVER	INSP EC	

65	JEE Journal, Politehnica Publishing House	41344	Nonlinear Control of a Doubly Fed Induction Generator Supplied by a Matrix Converter for Wind Energy Conversion Systems	INSP EC	
66	JEE Journal, Politehnica Publishing House	41377	Leakage fluxes and mechanical forces calculation on the single phase shell-type transformer winding under over currents by 2-D and 3-D finite element methods	INSP EC	
67	JEE Journal, Politehnica Publishing House	41377	Application of Fuzzy Sliding Approach for Speed Control in the Field-Oriented Process and to Reduce Chattering of an Induction Motor	INSP EC	
68	JEE Journal, Politehnica Publishing House	41377	Contactless Electric Igniter for Vehicle to Lower Exhaust Emission and Fuel Consumption	INSP EC	
69	JEE Journal, Politehnica Publishing House	41377	Design and Implementation of a Modified-Forward Multi-Input Converter for Hybrid Renewable Generation System	INSP EC	
70	JEE Journal, Politehnica Publishing House	41380	Recent Trends in Ascertaining Pre-Faults Methodologies for Transformers & Their Remedies	INSP EC	
71	JEE Journal, Politehnica Publishing House	41380	A Case Study of the Notion & Model Of Hydro Power Plant Using the Kinetic Energy of Flowing Water of Gumoti & Surma River of Bangladesh: An Energy Odyssey	INSP EC	
72	JEE Journal, Politehnica Publishing House	41380	A TRANSDUCER FOR TENSION FORCE CONTROL OF FINE-WINDING MATERIALS	INSP EC	
73	JEE Journal, Politehnica Publishing House	41381	SELECTIVE HARMONIC MINIMIZATION AND THD REDUCTION BY 61-LEVEL CASCADED MULTILEVEL INVERTER WITH PV CELL INPUT	INSP EC	

74	JEE Journal, Politehnica Publishing House	41381	Application of Fuzzy Sliding Approach for Speed Control in the Field-Oriented Process and to Reduce Chattering of an Induction Motor	INSP EC	
75	JEE Journal, Politehnica Publishing House	41540	PARTICLE SWARM OPTIMISATION BASED INTERCONNECTED HYDRO-THERMAL AGC SYSTEM CONSIDERING GRC AND TCPS	INSP EC	
76	JEE Journal, Politehnica Publishing House	41401	NEW COST EFFECTIVE INVERTER FOR BLDC MOTOR	INSP EC	
77	JEE Journal, Politehnica Publishing House	41409	A NOVEL METHOD OF INDUCTION MOTOR OPERATING MECHANISM USING NEURAL NETWORK	INSP EC	
78	JEE Journal, Politehnica Publishing House	41438	Influence of Correction Factor in Nearest Neighbour Hopping Parameter in Energy Dispersion Relation of Graphene Nanoribbon	INSP EC	
79	JEE Journal, Politehnica Publishing House	41429	Experimental verification of ZVS Non-isolated DC to DC Converter	INSP EC	
80	JEE Journal, Politehnica Publishing House	41438	ARTIFICIAL INTELLIGENT TECHNIQUE BASED METHOD FOR FAULT DETECTION IN RADIAL POWER DISTRIBUTION SYSTEM		
81	Journal of The Institution of Engineers (India): Series B	41456	Flicker Detection, Measurement and Means of Mitigation: A Review	Goog le Schol ar	
82	JEE Journal, Politehnica Publishing House	41468	Modeling of a photovoltaic generator applied to greenhouses	INSP EC	
83	JEE Journal, Politehnica Publishing House	41468	fluence of the parameters variations on the power injected to the network by wind turbine using PMSG	INSP EC	
84	JEE Journal, Politehnica Publishing House	41468	Demand Side Management: A Perspective for developing Nations	INSP EC	

85	JEE Journal, Politehnica Publishing House	41468	DIRECT-AXIS CALCULATION OF DIRECT TORQUE CONTROL OF INDUCTION MOTOR USING SVM	INSP EC	
86	JEE Journal, Politehnica Publishing House	41499	A Novel Predictive Control for Speed Regulation for High Performance of Induction Motor Drives using Space Vector Modulation	INSP EC	
87	JEE Journal, Politehnica Publishing House	41526	REDUCTION OF LARGE SCALE LINEAR MIMO SYSTEMS USING MIHAILOV STABILITY CRITERION AND ERROR MINIMIZATION TECHNIQUE	INSP EC	
88	JEE Journal, Politehnica Publishing House	41526	DYNAMIC PERFORMANCE IMPROVEMENT OF HALF- BRIDGE CONVERTER FOR LOW VOLTAGE APPLICATIONS	INSP EC	
89	JEE Journal, Politehnica Publishing House	41527	Disturbance Free Operation of a Fault-Tolerant Permanent Magnet Machines with diverse Fault Scenarios	INSP EC	
90	JEE Journal, Politehnica Publishing House	41527	Performance Analysis of TCSC controller with a power system	INSP EC	
91	JEE Journal, Politehnica Publishing House	41553	A Novel Predictive Control for Speed Regulation for High Performance of Induction Motor Drives using Space Vector Modulation	INSP EC	
92	JEE Journal, Politehnica Publishing House	41555	Performance Analysis of TCSC controller with a power system	INSP EC	
93	JEE Journal, Politehnica Publishing House	41560	POWER GENERATED BY VARIABLE SPEED WIND TURBINE DRIVING A DOUBLY FED INDUCTION GENERATOR	INSP EC	
94	JEE Journal, Politehnica Publishing House	41576	Fuzzy Based auto-tracking of Solar Panel for Effective Utilization to improve the all-day efficiency	INSP EC	

95	JEE Journal, Politehnica Publishing House	41576	Dynamic Modeling, Analysis and Simulation of Grid Connected Doubly Fed Induction Generator Based Wind Power under Different operating Conditions	INSP EC	
96	JEE Journal, Politehnica Publishing House	41591	PSO-PI ALGORITHM FOR WIND FARM SUPERVISION	INSP EC	
97	JEE Journal, Politehnica Publishing House	41591	Control of a DFIM Using A Sliding Mode Controller	INSP EC	
98	JEE Journal, Politehnica Publishing House	41591	CONTROL OF ENERGY CONVERSION QUALITY IN ELECTRIC DRIVES WITH ASYNCHRONOUS MOTORS	INSP EC	
99	JEE Journal, Politehnica Publishing House	41604	POWER GENERATED BY VARIABLE SPEED WIND TURBINE DRIVING A DOUBLY FED INDUCTION GENERATOR	INSP EC	
100	JEE Journal, Politehnica Publishing House	41591	IMPROVING SWITCHED RELUCTANCE MOTORS TORQUE BY AIRGAP AND TEETH GEOMETRY CHOICE.	INSP EC	
101	JEE Journal, Politehnica Publishing House	41621	PERFORMANCE PREDICTION OF ENERGY EFFICIENT PERMANENT SPLIT CAPACITOR RUN SINGLE PHASE INDUCTION MOTOR	INSP EC	
102	JEE Journal, Politehnica Publishing House	41616	IDENTIFICATION OF FACES BY MULTIMODAL INFORMATION FUSION OF DEPTH AND COLOR	INSP EC	
103	JEE Journal, Politehnica Publishing House	41621	OPTIMAL REACTIVE POWER DISPATCH FOR VOLTAGE STABILITY ENHANCEMENT USING CAT SWARM OPTIMIZATION ALGORITHM	INSP EC	
104	JEE Journal, Politehnica Publishing House	41621	RFID BASED AUTOMATIC WHEELCHAIR FOR PEOPLE WITH DISABILITIES	INSP EC	
105	JEE Journal, Politehnica Publishing House	41621	Developing of Energy Credits in an Egyptian Green Building Rating System	INSP EC	

106	JEE Journal, Politehnica Publishing House	41649	Real Time Economic and Emission Dispatch using RBF Network with OLS and MPSO Algorithms	INSP EC	
107	JEE Journal, Politehnica Publishing House	41653	SENSORLESS CONTROL OF PERMANENT MAGNET SYNCHRONOUS MOTOR WITH LUENBERGER ROTOR POSITION OBSERVER AND SUI PID CONTROLLER	INSP EC	
108	JEE Journal, Politehnica Publishing House	41663	COMPETITIVE BIDDING IN ELECTRICITY MARKETS WITH CARBON EMISSION USING PSO	INSP EC	
109	JEE Journal, Politehnica Publishing House	41663	ROBUST GRID POWER CONVERTERS DURING FAULTS OPERATION	INSP EC	
110	JEE Journal, Politehnica Publishing House	41684	Performance Evaluation of Multivariable Optimal and Predictive Controllers on an Aircraft Roll Control System	INSP EC	
111	JEE Journal, Politehnica Publishing House	41684	PARTICLE SWARM OPTIMIZATION TECHNIQUE FOR RULE BASE OPTIMIZATION OF FLC FOR LOW SPEED ACC VEHICLE	INSP EC	
112	JEE Journal, Politehnica Publishing House	41687	A Precise Iterative Neural Network Method for Electricity Load Prediction	INSP EC	
113	JEE Journal, Politehnica Publishing House	41696	FUZZY BASED POWER QUALITY IMPROVEMENT IN GRID CONNECTED MICROGRID AT THE DISTRIBUTION LEVEL	INSP EC	
114	JEE Journal, Politehnica Publishing House	41731	Extraction of Photovoltaic (PV) Modules parameters using Only the Cell Characteristics for accurate PV modeling	INSP EC	
115	JEE Journal, Politehnica Publishing House	41737	Design and Analysis of a 2.4 GHz, Fifth-Order Chebyshev Microstrip LPF	INSP EC	
116	JEE Journal, Politehnica Publishing House	41753	ROBUST GRID POWER CONVERTERS DURING FAULTS OPERATION	INSP EC	
117	JEE Journal, Politehnica Publishing House	41773	Energy efficiency evaluation in electric motor	INSP EC	

118	JEE Journal, Politehnica Publishing House	41773	Direct Torque Neural Network Control of Dual Stator Induction Motor	INSP EC	
119	JEE Journal, Politehnica Publishing House	41778	ROBUST GRID POWER CONVERTERS DURING FAULTS OPERATION	INSP EC	
120	JEE Journal, Politehnica Publishing House	41780	ESDD MEASUREMENTS IN THE POWER SYSTEM OF CRETE	INSP EC	
121	JEE Journal, Politehnica Publishing House	41786	Designing and optimization of photovoltaic-wind-fuel cell hybrid systems, for off grid applications	INSP EC	
122	JEE Journal, Politehnica Publishing House	41786	PREDICTION OF EQUILIBRIUM STATE OF ORGANIC RANKINE CYCLE	INSP EC	
123	JEE Journal, Politehnica Publishing House	41788	CONTROL OF ENERGY CONVERSION QUALITY IN ELECTRIC DRIVES WITH ASYNCHRONOUS MOTORS	INSP EC	
124	JEE Journal, Politehnica Publishing House	41800	A novel fault detection and location algorithm for distribution network including distributed generation (DG) using the sequences of network voltage and current	INSP EC	
125	JEE Journal, Politehnica Publishing House	41800	CAPACITY AND LOCATION EFFECTS OF PHOTO VOLTAIC POWER GENERATORS ON POWER SYSTEM STABIL	INSP EC	
126	JEE Journal, Politehnica Publishing House	41803	PERFORMANCE BASED ANALYSIS OF POWER -AWARE AND THERMAL - AWARE : DESIGN. SPACE EXPLORATION FOR HETEROGENOUS MULTICORE ARCHITECTURE	INSP EC	
127	JEE Journal, Politehnica Publishing House	41803	DYNAMIC VOLTAGE IMPROVEMENT IN MICROGRIDS WITH PHOTOVOLTAIC RESOURCES BY USING A VOLTAGE STABILIZER	INSP EC	
128	JEE Journal, Politehnica Publishing House	41807	POWER GENERATED BY VARIABLE SPEED WIND TURBINE DRIVING A DOUBLY FED INDUCTION GENERATOR	INSP EC	



129	JEE Journal, Politehnica Publishing House	41810	Performance Evaluation of Multivariable Optimal and Predictive Controllers on an Aircraft Roll Control System	INSP EC	
130	JEE Journal, Politehnica Publishing House	41815	OPTIMIZED MULTI-UTILITY WHEELING WITH ECONOMIC GENERATION DISPATCH	INSP EC	
131	JEE Journal, Politehnica Publishing House	41816	Modeling and Control of Doubly Fed Induction (DFIG) Wind energy conversion system	INSP EC	
132	JEE Journal, Politehnica Publishing House	41828	A MULTILEVEL THRESHOLDING METHOD BASED FUZZY C- PARTITION USING PARTICLE SWARM OPTIMIZATION ALGORITHM	INSP EC	
133	JEE Journal, Politehnica Publishing House	41831	OPTIMAL REACTIVE POWER PLANNING USING A NEW IMPROVED DIFFERENTIAL EVOLUTION INCORPORATING FACTS	INSP EC	
134	JEE Journal, Politehnica Publishing House	41834	A NEW OFDM STANDARD FOR HIGH RATE WIRELESS LAN IN THE 5 GHZ BAND	INSP EC	
135	JEE Journal, Politehnica Publishing House	41865	Air Breathing Fuel Cell Powered Bidirectional DC-DC Converter for Electric Vehicles	INSP EC	
136	JEE Journal, Politehnica Publishing House	41877	A NOVEL APPROACH TO POWER SYSTEM STABILIZER TUNING USING SPARLS ALGORITHM	INSP EC	
137	JEE Journal, Politehnica Publishing House	41886	New Coordinated Design of PSSs and SVC to Improve Power System Stability via BSO	INSP EC	
138	JEE Journal, Politehnica Publishing House	41898	Performance Comparison of DVR using Various Compensation Methods	INSP EC	
139	JEE Journal, Politehnica Publishing House	41898	CONTROL OF THE THREE PHASE FOUR-WIRE FOUR-LEG SAPF USING 3D-SVM BASED ON THE TWO METHODS OF REFERENCE SIGNALS GENERATING CV AND SRF IN THE dq-AXES	INSP EC	

140	JEE Journal, Politehnica Publishing House	41900	OPTIMAL REACTIVE POWER PLANNING USING A NEW IMPROVED DIFFERENTIAL EVOLUTION INCORPORATING FACTS	INSP EC	
141	JEE Journal,	41920	A study of H-Bridge Inverter Using	INSP	
142	JEE Journal,	41920	Price forecasting techniques in	INSP	
143	JEE Journal,	41926	A Novel Miniature Wind Generator	INSP	
144	JEE Journal,	41931	CONTROL OF THE THREE	INSP	
145	JEE Journal,	41960	Modeling of Indoor power line for	INSP	
146	JEE Journal,	41960	SIMULATION STUDY OF	INSP	
147	JEE Journal, Politehnica Publishing House	41960	SENSITIVITY BASED ANALYSIS FOR OPTIMAL LOCATION OF UPFC TO REDUCE POWER LOSS AND CONGESTION IN DEREGULATED ELECTRICITY MARKET	INSP EC	
148	CSST 2014	71102-157	An Approach to Eliminating of Interferences Caused by Currents Drawn by switched Mode Power Supply Units of a Small Airship	Goog le Schol ar	
149	WSEAS Transactions On Power Systems Journal	5716-191	WTHD Minimization in Hybrid Multilevel Inverter using Biogeographical based Optimization	Goog le Schol ar	
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513	INTELEC2018	Paper-176	Flooded Lead Acid Battery Early Degradation Causes, Analysis, and Mitigation	IEEE Explore	6
514	INTELEC2018	Paper-88	V2G Strategy for Frequency Regulation Based on Economic Evaluation Considering EV Battery Longevity	IEEE Explore	6
515	Bulletin of the Polytechnic Institute of Jassy	43271	On the Stator Current of an Induction Machine Asymmetrical Supplied	Index Copernicus	6
516	APPEEC 2018	43271	Solar Potential Mapping of Iligan City Using LiDAR Data and SAGA GIS	Google Scholar	6
517	APPEEC 2018	43255	Shadow Price Analysis of Potential Northeast Asia Power System Interconnection	Google Scholar	6
518	CNAE 2018	43256	Solar Tracking for Renewable Energy System	Index Copernicus	6

519	WSEAS Transactions On Power Systems Journal	5916-593	PARALLEL OPERATION OF TWO SINGLE-PHASE RECTIFIERS WITH THREE- PHASE INVERTER BY IMPLEMENTING GENERALIZED SVPWM	Goog le Schol ar	6
520	AEE'18	75503-100	The Pakistan Economical Way of Industrial Electricity Generation and Electrical Switching Mechanism	Goog le Schol ar	6
521	WSEAS Transactions On Power Systems Journal	5916-582	Whale Optimization Algorithm for Maximum Power Point Tracker for Controlling Induction Motor Driven by Photovoltaic System	Goog le Schol ar	6
522	WSEAS Transactions On Power Systems Journal	5916-581	ARTIFICIAL NEURAL NETWORK AND ADAPTIVE NEURO FUZZY CONTROL OF DIRECT TORQUE CONTROL OF INDUCTION MOTOR FOR SPEED AND TORQUE RIPPLE CONTROL	Goog le Schol ar	6
523	WSEAS Transactions On Circuit and Systems Journal	5901-708	Feeder System Reconfiguration  Based on FWA and DLF with DGs	Goog le Schol ar	6
524	POES '18	76205-106	Optimum Cost-performance Evaluation of Hybrid Energy Systems in presence of Plug-in Electric Vehicles	Goog le Schol ar	6
525	ICACM '18	76101-124	Optimization of PID Parameters Based on Particle Swarm Optimization for Ball and Beam System	Goog le Schol ar	6
	<b>Total BDI</b>	<b>525</b>			<b>180</b>
	<b>Total neindexate</b>				<b>0</b>
	<b>Total A3.4</b>				<b>1244</b>

<b>3.6.</b>	<b>Premii</b>		
1	Premiul Constantin Budeanu al Academiei Române	2016	<b>30</b>
2	Diploma AGIR	2015	<b>5</b>
<b>Total 3.6</b>			<b>35,00</b>

<b>3.7.</b>	<b>Membru in academii, organizatii, asociatii profesionale de prestigiu, nationale si internationale, apartenenta la organizatii din domeniul educatiei si cercetarii</b>			
	<b>Asociatii profesionale</b>	<b>Poziția</b>	<b>Din anul</b>	<b>Punctaj</b>
<b>3.7.4.</b>	<b>Internaționale și naționale</b>			
1	International Electrical and Electronics Engineering Association	Membru 80337855 din 2006	Senior Member din 2018	5,00
2	Asociația Generală a Inginerilor din România	Membru	2000	2,00
<b>Total 3.7.4</b>				<b>7,00</b>

<b>Total A 3</b>			<b>1480,70</b>
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