ANEXA 3b

UNIVERSITATEA POLITEHNICA DIN BUCUREȘTI
FIȘA DE VERIFICARE A ÎNDEPLINIRII STANDARDELOR DE PROFESOR

Prof. dr. ing. Emil CAZACU

Condiții	**Îndeplinire condiții**	
A. Doctor	**Diplomă de Doctor** în domeniul Inginerie Electrică, Nr. 11 din 20.09.2004, emisă de Universitatea POLITEHNICA din București în baza Ordinului Ministrului Educației Naționale Nr. 4450/02.08.2004.	
B. Îndeplinirea standardelor minime naționale conform OMENCS Nr. 6129/20.12.2016 [MO, I, 123 / 15.02.2017]	Standardele îndeplinite, conform Comisiei CNATDCU Nr. **9, Inginerie Electrică**. Anexată: Fișa de calcul și de susținere a îndeplinirii standardelor minimale specifice domeniului, în acord cu realizările menționate.	
Condiții minimale [Punctaj]	**Minim prevăzut**	**Realizat**
A1. Activitatea didactică și profesională	120	254.05
A2. Activitatea de cercetare	360	1134.88
A3. Recunoașterea și impactul activității	120	2023.88
TOTAL (A)	**600**	**3412.81**
Condiții minimale obligatorii pe subcategorii [Număr]	**Minim prevăzut**	**Realizat**
A.1.1.1 Cărți cu ISBN/capitole ca autor	**4**	**8** (5 ca prim autor)
A.1.2.1. Suport de curs inclusiv electronic	**2** (din care 1 ca prim autor)	**5** (5 ca prim autor)
A.1.2.2. Îndrumare de laborator / aplicații	**2** (din care 1 ca prim autor)	**6** (4 ca prim autor)
A.2.1. Articole în extenso în reviste cotate WOS Thomson-Reuters, în volume proceedings indexate WOS Thomson-Reuters și brevete de invenție indexate WOSDerwent *)	**10** (din care 4 ca prim autor și 4 în reviste cotate WOS)	**53** (din care 22 ca prim autor și 25 în reviste cotate WOS)
A.2.2. Articole în reviste și volumele unor manifestări științifice indexate în alte baze de date internaționale (BDI)**)	**20** (din care 5 în reviste)	**32** (25 reviste BDI și 7 volume BDI)
A.2.4. Director / responsabil proiect partener la Granturi/proiecte câștigate prin competiție națională	**2**	**4**
A.3.1. Citări în revistele WOS și volumele conferințelor WOS	**10**	**65**
A.3.2. Citări în revistele BDI și volumele conferințelor BDI	**20**	**32**
C. Atestarea studiilor (diploma + Foi Matricole) și a altor realizări profesionale	**Diplomă de Licență,** în domeniul Inginerie Electrică Nr. 679 din 09.09.1998 emisă de Universitatea POLITEHNICA din București	
	Diplomă de Studii Aprofundate/Master Specializarea Analiza și Proiectarea Microsistemelor, Nr. 899 din 28.07.1999 emisă de Universitatea POLITEHNICA din București	
	Alte certificate: Certificat de absolvire al Cursului Postuniversitar de Pregătire Psiho-Pedagogică și Metodică, Nr. 69, din 15.01.1999 emis de Universitatea POLITEHNICA din București	
	Alte acte de atestare realizărilor profesionale - Autorizație **auditor electroenergetic** clasa I - nr. 520/24.11.2015 eliberată de Autoritatea Națională de Reglementare în domeniul Energiei. - Autorizație **proiectant instalații electrice** de joasă tensiune (orice putere tehnic realizabilă) - Nr. 36512/18.04.2015 eliberată de Autoritatea Națională de Reglementare în domeniul Energiei	

*) Conform situației curente de pe site-ul WOS (Web of Science)

) Bazele de date internaționale (BDI) luate în considerare pentru articolele publicate în reviste și publicate în volumele unor manifestări științifice, cu excepția articolelor publicate în reviste cotate WOS, sunt cele recunoscute pe plan științific internațional: **Scopus, IEEE Xplore, Elsevier Science Direct, Engineering Village, Compendex, INSPEC, Springerlink, Cabi, EBSCO, CSA ILLUMINA/PROQUEST, Index Copernicus, Urlich's.

Subsemnatul CAZACU Emil, Departamentul de Electrotehnică, Facultatea de Inginerie Electrică din Domeniul de Studii Univ. Inginerie Electrică, arondat Comisiei de Specialitate CNATDCU Nr 9., Inginerie Electrică [OMENCS Nr. 6129/20.12.2016 – MO, I,123/15.02.2017] declar pe propria răspundere, cunoscând prevederile art. 292 privind falsul în declarații, din Legea 286/2009 - Codul Penal, că cele declarate mai sus sunt veridice.

Prof. dr. ing. CAZACU Emil **Data: 07.01.2019**

ANEXĂ DE CALCUL Conform Ordinului OMENCS Nr. 6129/20.12.2016
puiblicate in MO, partea I, nr. 123 /15.02.2017

Prof. dr. ing. Emil CAZACU

Faculatea de Inginerie Electrica- Departamentul de Electrotehnica

A1. Activitatea didactică şi profesională (A1)

1.1. Cărţi şi capitole în cărţi de specialitate

	1.1.1 Cărţi cu ISBN/capitole ca autor didactice sau monografii - minim 4 carti/capitole cu ISBN	Nr. pag.	Nr. autori	Puncte
	1.1.1.1. Internaţionale			
1	H. Andrei, P. C. Andrei, Luminita Mirela Constantinescu, R. Beloiu, **E. Cazacu**, Marilena Stanculescu, Chapter I – Electrical Power Systems, in Power Systems, Reactive Power Control in AC Power Systems, pp 3-48, , Springer Verlag, 2017. (**capitol carte internaţională**). N. Mahdavi Tabatabaei et al. (eds.), Reactive Power Control in AC Power Systems, Power Systems. WOS Accession Number: **WOS:000418032900003** Book DOI:10.1007/978-3-319-51118-4, ISBN:978-3-319-51118-4, 978-3-319-51117-7, ISSN: 1612-1287.	45	6	3.75
2	H. Andrei, P. C. Andrei, **E. Cazacu**, Marilena Stanculescu, Chapter II– Fundamentals of Reactive Power in AC Power Systems, in Power Systems, Reactive Power Control in AC Power Systems, pp.49-115, Springer Verlag, 2017. (**capitol carte internaţională**). N. Mahdavi Tabatabaei et al. (eds.), Reactive Power Control in AC Power Systems, Power Systems.Accession Number: **WOS:000418032900004**, Book DOI: 10.1007/978-3-319-51118-4, ISBN:978-3-319-51118-4; 978-3-319-51117-7, ISSN: 1612-1287	66	4	5.50
	Total 1.1.1.1.			9.25
	1.1.1.2. Naţionale			
3	**E. Cazacu**, Instalaţii electrice moderne – Baze teoretice, elemente de calcul şi proiectare, Editura Matrix Rom Bucureşti 2016, ISBN 978-606-25-0265-2, 316 pagini (Cod CNCSIS Editura 39).	316	1	63.2
4	**E. Cazacu**, L. Petrescu – Expertiza sistemelor electrice industriale, Editura Printech, Bucureşti, 2014, ISBN 978-606-23-0231-3, 300 pagini (Cod CNCSIS Editura 54)	300	2	30
5	D. O. Micu, D. Toader, **E. Cazacu**, I. V. Nemoianu, Electrotehnică aplicată, Editura Academiei Oamenilor de Ştiinţă din România, Bucureşti, 2011, ISBN 978-606-8371-35-1, 93 pagini.	93	4	4.65
6	**E. Cazacu**, I. V. Nemoianu – Dispozitive magnetice speciale; Elemente de teorie şi calcul, Editura Matrix Rom, Bucureşti 2008, ISBN 978-973-775-346-1, 160 pagini. (Cod CNCSIS Editura 39).	160	2	16
7	**E. Cazacu** – Levitaţia electromagnetică, Editura Electra ICPE, Bucureşti 2004, ISBN 973-7728-04-1, 161 pagini (Cod CNCSIS Editura 48).	161	1	32.2
8	**E. Cazacu** – Utilizarea materialelor diamagnetice în levitaţia electromagnetică; Aspecte teoretice şi experimentale, Editura Cartea Universitară, Bucureşti 2004, ISBN 973-7813-04-9, 141 pagini. (Cod CNCSIS Editura 113).	141	1	28.2
	Total 1.1.1.2.			174.25
	1.1.2. Cărţi / capitole de cărţi ca editor / coordonator ca autor didactice sau monografii	**Nr. pag.**	**Nr. autori**	**Puncte**
	1.1.2.1. Internaţionale			
	Total 1.1.2.1.			0.00
	1.1.2.2. Naţionale			
	Total 1.1.2.2.			0.00
	Total 1.1			183.50

1.2. Suport didactic

	1.2.1. Suport de curs inclusiv electronic -minim 2 din care 1 ca prim autor	Nr. pag.	Nr. autori	Pcte
1	**E. Cazacu**, Bazele Electrotehnicii – Teoria circuitelor electrice liniare - note de curs pentru uzul studenţilor Facultăţii de Transporturi, specializarea Telecomenzi şi Electronică în Transporturi - TET, anul I/semestru II şi anul II/semestrul I – Departamentul de Electrotehnică, Universitatea POLITEHNICA din Bucureşti, 2012 (160 pagini).http://www.elth.pub.ro/~cazacu/	160	1	16
2	**E. Cazacu**, Sisteme informatice de gestiune a instalaţiilor electrice – note de curs, pentru uzul masteranzilor Facultăţii de Inginerie Electrică, anul I, programul de studii Informatică Aplicată în Ingineria Electrică (IAIE) – Departamentul de Electrotehnică, Universitatea POLITEHNICA din Bucureşti, 2011 (190 pagini). http://www.elth.pub.ro/~cazacu/	190	1	19
3	**E. Cazacu**, Grundlagen der Elektrotechnik I - note de curs pentru uzul studenţilor Facultăţii de Inginerie în Limbi Străine- FILS, filiera Germană, anul I/semestrul I – Departamentul de Electrotehnică, Universitatea POLITEHNICA din Bucureşti, 2010 (70 pagini). http://www.elth.pub.ro/~cazacu/	70	1	7
4	**E. Cazacu** (coordonator), O. Drosu, G. Epureanu, L. Petrescu, V. Mănescu, G. Păltânea, R. Costea, V. Bucată – Chestiuni speciale de teoria circuitelor electrice; Elemente de teorie şi aplicaţii, vol 1, Editura Matrix Rom, 2005, ISBN 973-685-925-8, 145 pagini (Cod CNCSIS Editura 39).	145	8	1.8125
5	**E. Cazacu** (coordonator), I. Nemoianu, M. Maricaru, F. Enache, M. Stănculescu, A. Stănciulescu, A. Anghel – Chestiuni speciale de teoria circuitelor electrice; Elemente de teorie şi aplicaţii, vol 2, Editura Matrix Rom, 2005, ISBN 973-685-926-6, 140 pagini (Cod CNCSIS Editura 39).	140	7	2
	Total 1.2.1.			45.81
	1.2.2. Îndrumare de laborator / aplicaţii - minim 2 din care 1 ca prim autor			
1	**E. Cazacu**, – Electrotehnică şi elemente de gestiune informatică a instalaţiilor electrice – Îndrumar de laborator – Editura Matrix-ROM, Bucureşti 2014, ISBN 978-606-25-0086-3, 103 pagini.	105	1	5.25
2	**E. Cazacu**, M. Stănculescu – Bazele electrotehnicii; Seminar, Editura Matrix-ROM, Bucureşti 2004, ISBN 973-685-684 - 4, 308 pagini (Cod CNCSIS Editura 39).	308	2	7.70
3	**E. Cazacu**, M. Stănculescu – Bazele electrotehnicii, Teoria circuitelor electrice; Aplicaţii, vol.1, Editura Cartea Universitară, Bucureşti 2003, ISBN 973-86124-5-4, 165 pagini (Cod CNCSIS Editura 113).	165	2	4.13
4	**E. Cazacu**, M. Stănculescu – Bazele electrotehnicii, Teoria circuitelor electrice; Aplicaţii, vol.2, Editura Cartea Universitară, Bucureşti 2003, ISBN 973-7956-26-5, 162 pagini (Cod CNCSIS Editura 113).	162	2	4.05
5	A. Cazacu, **E. Cazacu**, A. Amuzescu – Bazele electrotehnicii I, Electromagnetism; Seminar, Editura Printech, Bucureşti, 2000, ISBN 973-652-215-6, 153 pagini (Cod CNCSIS Editura 54).	153	3	2.55
6	I. Munteanu, B. Crânganu-Creţu, G. Preda, **E. Cazacu**, A. Cazacu, Ş. Vasiliu – Teoria şi modelarea câmpului electromagnetic; Probleme speciale, Editura Printech, Bucureşti, 2000, ISBN 973-9475-99-X, 127 pagini (Cod CNCSIS Editura 54).	127	6	1.06
	Total 1.2.2.			24.73
	Total 1.2			70.55
	1.3. Coordonare programe de studii, organizare şi programe de formare continuă şi proiecte educaţionale (POS, ERASMUS etc.)			**Pcte.**
	Total 1.3			0.00
	TOTAL A1 (minim 120)			254.05

	A2. Activitatea de cercetare (A2)			
	2.1. Articole în extenso în reviste cotate şi în volume proceedings indexate ISI Thomson-Reuters*), brevete de invenţie - minim 10 articole, din care minim 4 ca prim autor si minimum 4 in reviste			
	2.1.1. Articole în reviste ISI (factor de impact este cel pe ultimul an disponibil la data depunerii dosarului)	**FI**	**Nr. Autori**	**Pcte**
1	**E. Cazacu**, V. Ioniță, L. Petrescu, Thermal Aging of Power Distribution Transformers Operating under Nonlinear and Balanced Load Conditions, Advances in Electrical and Electronic Engineering, vol. 16, no. 1, pp. 92-100, 2018, DOI 10.15598/aeee.v16i1.2701, ISSN: 1336-1376 (Print); 1804-3119 (Online). Indexare BDI: DOAJ, Driver, EBSCO, SciVerse Scopus, ProQuest, OpenAire, ISI: **WOS:000429160100009**.	0	3	8.3333333
2	V. Ionita, L. Petrescu, **E. Cazacu**, Improved estimation of iron losses for non-sinusoidal voltages, COMPEL-The international journal for computation and mathematics in electrical and electronic engineering, Vol. 37 Issue 5, pp. 1698-1706, special issue: SI, 2018, ISSN: 0332-1649, DOI: 10.1108/COMPEL-12-2017-0527, ISSN: 0332-1649, . (Cotat ISI – Thomson Master Journal List – IF 2018: 0.534, **WOS:000448725000014**, Scopus, INSPEC)	0.534	3	11.893333
3	V. Ioniță, Mirela Codescu, Elena Chițanu, L. Petrescu, **E. Cazacu** – Hysteresis modeling accuracy for soft magnetic nanopowders, Revue Roumaine des Sciences Techniques – Série Electrotechnique et Energétique, Ed. Academiei Române, tome 63, no. 1, pp. 11-14, Bucarest, 2018, ISSN 0035-4066. (categoria A, cod CNCSIS 237, cotat ISI –Thomson Master Journal List – IF 2018: 1.114, **WOS:000430897800002**, Scopus, INSPEC)	1.114	3	15.76
4	**E. Cazacu**, L. Petrescu – Inrush current investigation for single phase power transformers by means of magnetic material core characteristics, U.P.B. Sci. Bull., Series C, Vol. 77, Iss. 2, 2015, pp. 193-204, ISSN 1223-7027 (categoria CNCSIS B+, CNCSIS 830, – indexat ISI, Indexare BDI: SCOPUS, Engineering Village, Ulrich's Periodicals Directory, **WOS: 000421799900016**).	0	2	12.5
5	L. Petrescu, **E. Cazacu**, V. Ioniță, – High frequencies losses prediction in soft magnetic materials, Revue Roumaine des Sciences Techniques – Série Electrotechnique et Energétique, Ed. Academiei Române, tome 60, no. 1, p. 49–58, Bucarest, 2015, ISSN 0035-4066 (cotat ISI –Thomson Master Journal List – IF 2018: 1.114, **WOS: 000350923900006**)	1.114	3	15.76
6	V. Ioniță, L. Petrescu, **E. Cazacu** – Effect of current harmonics on the hysteresis losses in soft magnetic materials, Revue Roumaine des Sciences Techniques – Série Electrotechnique et Energétique, Ed. Academiei Române, tome 60, no. 4, p. 366–375, Bucarest, 2015, ISSN 0035-4066 (cotat ISI –Thomson Master Journal List – IF 2018: 1.114, **WOS: 000350923900006**).	1.114	3	15.76
7	Lucian Petrescu, **Emil Cazacu**, Valentin Ioniță, High frequencies losses prediction in soft magnetic materials, Revue Roumaine des Sciences Techniques – Série Electrotechnique et Energétique, Ed. Academiei Române, tome 60, no. 1, p. 49–58, Bucarest, 2015, ISSN 0035-4066 (categoria A, cod CNCSIS 237, cotat ISI –Thomson Master Journal List – IF 2018: 1.114, **WOS:000350923900006**, Scopus, INSPEC)	1.114	3	15.76
8	**E. Cazacu**, L. Petrescu, On-site derating of in-service power distribution transformers supplying nolinear loads, Revue Roumaine des Sciences Techniques – Série Electrotechnique et Energétique, Ed. Academiei Române, tome 59, no. 3, p. 259–268, Bucarest, 2014, ISSN 0035-4066 (categoria A, cod CNCSIS 237, cotat ISI –Thomson Master Journal List – IF 2018: 1.114, **WOS:000341801300004**, Scopus)	1.114	2	23.64
9	I. V. Nemoianu, **E. Cazacu** – Quasi-vertical permanent magnet levitation – analytical model and characterization, Revue Roumaine des Sciences Techniques – Série Electrotechnique et Energétique, Ed. Academiei Române, tome 59, no. 1, p. 13–24, Bucarest, 2014, ISSN 0035-4066. (categoria A, cod CNCSIS 237, cotat ISI –Thomson Master Journal List – IF 2018: 1.114, **WOS:000333440000002**, Scopus).	1.114	2	23.64
10	**E. Cazacu**, I. V. Nemoianu – Transient state characterization of electronic circuitry small power transformers, Revue Roumaine des Sciences Techniques – Série Electrotechnique et Energétique, Ed. Academiei Române, tome 58, no. 4, pp. 385–394, Bucarest, 2013, ISSN 0035-4066. (categoria A, cod CNCSIS 237, cotat ISI –Thomson Master Journal List – IF 2018: 1.114, **WOS:000329262100006**, Scopus, INSPEC)	1.114	2	23.64
11	**E. Cazacu**, V. Ioniță, L. Petrescu, Transformer inrush current predetermination for distorted waveform voltage supply, Revue Roumaine des Sciences Techniques – Série Electrotechnique et Energétique, Ed. Academiei Române, tome 58, no. 3, pp. 342-251, Bucarest, 2013, ISSN 0035-4066. (categoria A, cod CNCSIS 237, cotat ISI –Thomson Master Journal List – IF 2018: 1.114, **WOS:000324447900002**, Scopus)	1.114	3	15.76
12	**E. Cazacu**, V. Năvrăpescu, I. V. Nemoianu, On-site efficiency evaluation for in-service induction motors, Revue Roumaine des Sciences Techniques – Série Electrotechnique et Energétique, Ed. Academiei Române, tome 58, no. 1, pp. 63–72, Bucarest, 2013, ISSN 0035-4066. (categoria A, cod CNCSIS 237, cotat ISI –Thomson Master Journal List – IF 2018: 1.114, **WOS: 000319367500007**, Scopus, INSPEC).	1.114	3	15.76
13	**E. Cazacu**, I. V. Nemoianu – Peak inrush currents for multiple-step capacitor banks in automatic power factor correction, Revue Roumaine des Sciences Techniques – Série Electrotechnique et Energétique, Ed. Academiei Române, tome 57, no. 4, pp. 341–350, Bucarest, 2012, ISSN 0035-4066. (categoria A, cod CNCSIS 237, cotat ISI –Thomson Master Journal List – IF 2018: 1.114, **WOS:000313936100002**, Scopus, INSPEC).	1.114	2	23.64
14	G. Küstler, I. V. Nemoianu, **E. Cazacu**, Theoretical and Experimental Investigation of Multiple Horizontal iamagnetically Stabilized Levitation with Permanent Magnets, IEEE Transactions on Magnetics, vol. 48, no. 12, pp. 4793-4801, December 2012, ISSN 0018-9464. (DOI: 10.1109/TMAG.2012.2204273) (Cotat ISI – Thomson Master Journal List – IF 2017: 1.243, **WOS:000311793000013**, Scopus, INSPEC)	1.467	3	18.113333
15	I. V. Nemoianu, **E. Cazacu** – Constriction resistance of a cylindrically-shaped conductor of two cross-sectional areas, Revue Roumaine des Sciences Techniques – Série Electrotechnique et Energétique, Ed. Academiei Române, tome 57, no. 3, pp. 239–248, Bucarest, 2012, ISSN 0035-4066. (categoria A, cod CNCSIS 237, cotat ISI –Thomson Master Journal List – IF 2018: 1.114, **WOS:000308572200002**).	1.114	2	23.64
16	I. V. Nemoianu, G. Küstler, **E. Cazacu**, – Study of diamagnetically stabilized non-vertical levitation using the magnetic charge equivalence, International Journal of Applied Electromagnetics and Mechanics, Volume 38, Number 2-3 / 2012, pp 101-115, 1383-5416 (Print)1875-8800 (Online) (doi 10.3233/JAE-2012-1412) (Cotat ISI – Thomson Master Journal List – IF 2018: 0.804, **WOS:000302344400004**).	0.804	3	13.693333
17	**E. Cazacu**, I. V. Nemoianu – Comparative study of vertical and horizontal permanent magnet levitation settings with diamagnetic stabilizers, Revue Roumaine des Sciences Techniques – Série Electrotechnique et Energétique, Ed. Academiei Române, tome 56, no. 3, pp. 249–256, Bucarest, 2011, ISSN 0035-4066. (categoria A, cod CNCSIS 237, cotat ISI –Thomson Master Journal List – IF 2018: 1.114, **WOS: 000298453900001**, Scopus, INSPEC).	1.114	2	23.64
18	I. V. Nemoianu, **E. Cazacu**,– Study of a disc-shaped earth electrode injecting current into an inhomogeneous soil, Revue Roumaine des Sciences Techniques – Série Electrotechnique et Energétique, Ed. Academiei Române, tome 55, no. 1, pp. 23–31, Bucarest, 2010, ISSN 0035-4066. (categoria A, cod CNCSIS 237, cotat ISI –Thomson Master Journal List – IF 2018: 1.114, **WOS:000277006700003**).	1.114	2	23.64
19	V. Ioniță, **E. Cazacu** – Correction of measured magnetization curves using finite element method, IEEE Transaction on Magnetics, vol. 45, no. 3, pp. 1174-1177, March, 2009, ISSN 0018-9464. (DOI: 10.1109/TMAG.2009.2012673), (Cotat ISI – Thomson Master Journal List – IF 2016: 1.243, **WOS: 000264019000058**, Scopus, INSPEC).	1.467	2	27.17
20	**E. Cazacu**, I. V. Nemoianu – Diamagnetic levitation setting with enlargement of the stabillity area, Revue Roumaine des Sciences Techniques – Série Electrotechnique et Energétique, Ed. Academiei Române, tome 53, no. 1, pp. 23-29, Bucarest, 2008, ISSN 0035-4066. (categoria A, cod CNCSIS 237, cotat ISI –Thomson Master Journal List – IF 2016: 1.036, **WOS: 000255784200003**, Scopus, INSPEC).	1.114	2	23.64
21	V. Ioniță, **E. Cazacu** – Identification of hysteresis Preisach model using magneto-optic microscopy, Physica B – Condensed Matter, nr. 403, Issues 2-3, pp. 376–378, 2008, ISSN 0921-4526. (DOI: 10.1016/j.physb.2007.08.053), (Cotat ISI – Thomson Master Journal List – IF 2017: 1.453, **WOS: 000252913300037**, Scopus, INSPEC).	1.453	2	27.03
22	V. Ioniță, **E. Cazacu**, Magnetic hysteresis modelling based on magneto-optical Kerr effect, Revue Roumaine des Sciences Techniques – Série Electrotechnique et Energétique, Ed. Academiei Române, tome 53, no. 4, pp. 455-462, Bucarest, 2008, ISSN 0035-4066. (categoria A, cod CNCSIS 237, cotat ISI –Thomson Master Journal List – IF 2017: 1.036, **WOS: 000262136600010**, Scopus, INSPEC).	1.114	2	23.64
23	F. Enache, G. Gavrilă, **E. Cazacu** – Study of the uniform magnetic field domains in the case of the Helmholtz coils, Revue Roumaine des Sciences Techniques – Série Electrotechnique et Energétique, Ed. Academiei Române, tome 53, no. 2, Bucarest, 2008, ISSN 0035-4066. (categoria A, cod CNCSIS 237, cotat ISI –Thomson Master Journal List – IF 2018: 1.114, **WOS: 000257350500006**, Scopus, INSPEC).	1.114	3	15.76

24	**E. Cazacu**, I. V. Nemoianu – Estimation of the influence terms involved in static diamagnetic levitation, Revue Roumaine des Sciences Techniques – Série Electrotechnique et Energétique, Ed. Academiei Române, tome 52, no. 3, pp. 283-290, Bucarest, 2007, ISSN 0035-4066. (categoria A, cod CNCSIS 237, cotat ISI –Thomson Master Journal List – IF 2018: 1.114, **WOS: 000255783700002**, Scopus, INSPEC).	1.114	2	23.64
25	F Munteanu, F. Frigura-Iliasa, **E. Cazacu** – About establishing the functional limits of a ZnO varistor based surge arrester, Revue Roumaine des Sciences Techniques – Série Electrotechnique et Energétique, Ed. Academiei Române, tome 52, no. 4, pp. 443-452, Bucarest, 2007, ISSN 0035-4066. (categoria A, cod CNCSIS 237, cotat ISI –Thomson Master Journal List – IF 2018: 1.114, **WOS: 000255784100006**).	1.114	3	15.76
	Total 2.1.1.			481.21
	2.1.2. Articole în ISI proceedings		**Nr. Autori**	**Pcte**
1	**E. Cazacu**, M. C. Petrescu, V. Ioniță and L. Petrescu, "Nonsinusoidal load current effect on the electrical and thermal operating parameters of oil filled power distribution transformers," 2018 18th International Conference on Harmonics and Quality of Power (ICHQP), Ljubljana, Slovenia, 2018, pp. 1-6, doi: 10.1109/ICHQP.2018.8378838, Electronic ISBN: 978-1-5386-0517-2, USB ISBN: 978-1-5386-0516-5, Print on Demand(PoD) ISBN: 978-1-5386-0518-9, Electronic ISSN: 2164-0610, IEEE Catalog Number: CFP18CHP-ART (Indexări BDI: IEEE Xplore), **WOS:000444771900027**		4	6.25
2	V. Ioniță, **E. Cazacu** and L. Petrescu, "Effect of voltage harmonics on iron losses in magnetic cores with hysteresis," 2018 18th International Conference on Harmonics and Quality of Power (ICHQP), 13-16 May 2018, Ljubljana, Slovenia, 2018, pp. 1-5, doi: 10.1109/ICHQP.2018.8378843, Electronic ISBN: 978-1-5386-0517-2, USB ISBN: 978-1-5386-0516-5, Print on Demand(PoD) ISBN: 978-1-5386-0518-9, Electronic ISSN: 2164-0610, IEEE Catalog Number: CFP18CHP-ART (Indexări BDI: IEEE Xplore), **WOS:000444771900032**.		3	8.3333333
3	A. Paun, C. M. Vinga, F. M. Frigura-Iliasa, D. Vatau, **E. Cazacu** and L. Petrescu, "Study about the active power and energy losses of a 400V 57 kW asynchronous motor," 2018 19th International Scientific Conference on Electric Power Engineering (EPE), Brno, Czech Republic, 2018, 16-18 May 2018, pp. 1-4.doi: 10.1109/EPE.2018.8395951, Electronic ISBN: 978-1-5386-4612-0, USB ISBN: 978-1-5386-4611-3, Print on Demand(PoD) ISBN: 978-1-5386-4613-7, Electronic ISSN: 2376-5631, IEEE Catalog Number: CFP1873X –USB, ISSN: 2376-5623, **WOS:000439649500050**		6	4.1666667
4	**E. Cazacu**, V. Ioniță and L. Petrescu, "Flux-current description of some particular iron core devices," 2017 7th International Conference on Modern Power Systems (MPS), Cluj-Napoca, Romania, 06-09 June 2017, pp. 1-4. doi: 10.1109/MPS.2017.7974373, IEEE Catalog Number CFP17MPR-ART, ISBN: ISBN: 978-1-5090-6565-3. Indexări BDI: IEEE Xplore, **ISI: WOS:000428462600004**.		3	8.3333333
5	V. Ioniță, L. Petrescu, **E. Cazacu**, E. A. Pătroi and E. Manta, "Improved prediction of hysteresis losses in electrical machine cores," 2017 7th International Conference on Modern Power Systems (MPS), Cluj-Napoca, Romania, 06-09 June 2017, pp. 1-4. doi: 10.1109/MPS.2017.7974403, IEEE Catalog Number CFP17MPR-ART, ISBN: ISBN:978-1-5090-6565-3. Indexări BDI: IEEE Xplore, **ISI: WOS:000428462600033**		5	5
6	**E. Cazacu**, L. Petrescu and V. Ioniță, Ferroresonance modes determination of single-phase toroidal transformers, 2017 15th International Conference on Electrical Machines, Drives and Power Systems (ELMA), Sofia, Bulgaria, 2017, pp. 358-361.doi: 10.1109/ELMA.2017.7955463, ISBN 978-1-5090-6690-2, E-ISBN: 978-1-5090-6691-9 (Indexări BDI: IEEE Xplore , IEEE Catalog Number CFP17L07-PRT). **WOS:000413685000074**.		3	8.3333333
7	**E. Cazacu**, L. Petrescu and V. Ioniță, Losses and temperature rise within power transformers subjected to distorted currents, 2017 15th International Conference on Electrical Machines, Drives and Power Systems (ELMA), Sofia, Bulgaria, 2017, pp. 362-365. doi: 10.1109/ELMA.2017.7955464, ISBN 978-1-5090-6690-2, E-ISBN: 978-1-5090-6691-9 (Indexări BDI: IEEE Xplore , IEEE Catalog Number CFP17L07-PRT). **WOS: 000413685000075**		3	8.3333333
8	**E. Cazacu**, V. Ioniță and L. Petrescu, An efficient method for investigating the ferroresonance of single-phase iron core devices, 2017 10th International Symposium on Advanced Topics in Electrical Engineering (ATEE), Bucharest, 2017, pp. 363-368. doi: 10.1109/ATEE.2017.7905167, ISBN:978-1-5090-5160-1, ISSN: 1843-8571 (Indexări BDI: **ISI - WOS:000403399400071**, IEEE Xplore: IEEE Catalog Number: CFP1714P-POD, INSPEC Accession Number: 16824745, SCOPUS).		3	8.3333333
9	V. Ioniță, **E. Cazacu** and L. Petrescu, Remarks about the magnetic characterization of magnetite nanopowders, 2017 10th International Symposium on Advanced Topics in Electrical Engineering (ATEE), Bucharest, 2017, pp. 369-372. doi: 10.1109/ATEE.2017.7905176, ISBN:978-1-5090-5160-1, ISSN: 1843-8571 (Indexări BDI: ISI - **WOS: 000403399400072**, IEEE Xplore: IEEE Catalog Number: CFP1714P-POD, INSPEC Accession Number: 16824765, SCOPUS)		3	8.3333333
10	L. Petrescu, **E. Cazacu**, V. Ioniță and C. Petrescu, "Comparison between non-oriented silicon iron sheets used for electrical machines," 2017 10th International Symposium on Advanced Topics in Electrical Engineering (ATEE), Bucharest, 2017, pp. 524-528. doi: 10.1109/ATEE.2017.7905174, ISBN:978-1-5090-5160-1, ISSN: 1843-8571 (Indexări BDI: ISI - **WOS: 000403399400102** , IEEE Xplore: IEEE Catalog Number: CFP1714P-POD, INSPEC Accession Number: 16824777, SCOPUS)		4	6.25
11	L. Petrescu, B. Chesca, **E. Cazacu** and C. Petrescu, Planar transformer windings losses at different waveforms, 2017 10th International Symposium on Advanced Topics in Electrical Engineering (ATEE), Bucharest, 2017, pp. 350-353. doi: 10.1109/ATEE.2017.7905163, ISBN:978-1-5090-5160-1, ISSN: 1843-8571 (Indexări BDI: ISI - **WOS: 000403399400068**, IEEE Xplore: IEEE Catalog Number: CFP1714P-POD, INSPEC Accession Number: 16836125, SCOPUS)		4	6.25
12	**E. Cazacu**, L. Petrescu and V. Ionita, "Derating of power distribution transformers serving nonlinear industrial loads," 2017 International Conference on Optimization of Electrical and Electronic Equipment (OPTIM) & 2017 Intl Aegean Conference on Electrical Machines and Power Electronics (ACEMP), Brasov, Romania, 25 May - 27 May 2017, pp. 90-95.doi: 10.1109/OPTIM.2017.7974953, IEEE Catalog Number: CFP1722D-ART, ISBN:978-1-5090-4489-4, **WOS:000426909600013**.		3	8.3333333
13	L. Petrescu, V. Ionita, **E. Cazacu** and Cătălina Petrescu, "Steinmetz' parameters fitting procedure for the power losses estimation in soft magnetic materials," 2017 International Conference on Optimization of Electrical and Electronic Equipment (OPTIM) & 2017 Intl Aegean Conference on Electrical Machines and Power Electronics (ACEMP), Brasov, Romania, 25 May - 27 May 2017, pp. 208-213. doi: 10.1109/OPTIM.2017.7974972, IEEE Catalog Number: CFP1722D-ART, ISBN:978-1-5090-4489-4, **WOS:000426909600032**.		4	6.25
14	Mihaela Frigura-Iliasa, **E. Cazacu**, L. Petrescu, F. M. Frigura-Iliasa, "Computer aided study of the hard-magnetic materials anisotropy", IEEE 21st International Conference on Intelligent Engineering Systems (INES 2017), Larnaca, Cyprus, October 20-23, 2017, pp. 109- 112, DOI: 10.1109/INES.2017.8118538, ISBN: 978-1-4799-7677-5 (pendrive), ISSN: 1562-5850, (Indexări BDI: IEEE Xplore, Part Number: CFP17IES-USB (pendrive) **WOS:000418333800018**		4	6.25
15	V. Ioniță, L. Petrescu, **E. Cazacu**, Influence of Harmonics' Initial Phases on Magnetic Losses in Non-Oriented Grains FeSi Sheets, International Symposium on Fundamentals of Electrical Engineering, ISFEE 2016, 30th June -1st July 2016, Bucharest, pp. 1-5. DOI: 10.1109/ISFEE.2016.78032, ISBN 978-1-4673-9575-5. (Indexări BDI: ISI - **WOS: 000392434400065**, IEEE Xplore: IEEE Catalog Number CFP1693Y-ART, INSPEC Accession Number: 16562997, SCOPUS)		3	8.3333333
16	**E. Cazacu**, V. Ioniță, L. Petrescu, Numerical and experimental investigations on the energizing of miniature iron core transformers, Proceeding on 9th International Symposium on Advanced Topics in Electrical Engineering (ATEE), 2015, May 07-09, Bucharest, Romania pp. 170 - 175, ISBN:978-1-4799-7514-3, DOI: (10.1109/ATEE.2015.7133759)- **WOS:000368159800030**		3	8.3333333
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18	**E. Cazacu**, L. Petrescu, Derating the three-phase power distribution transformers under nonsinusoidal operating conditions: A case study, Proceeding on the 16th IEEE International Conference on Harmonics and Quality of Power (ICHQP), pp. 488 – 492, Bucharest 25-28 May 2014, Romania, ISBN 978-1-4673-6487-4, ISSN 2164-0610, DOI:10.1109/ICHQP.2014.6842930 (Indexări BDI: ISI -Thomson **WOS:000343776100101** IEEE Xplore: IEEE Catalog Number: CFP14CHP-ART, INSPEC Accession Number: 14399062, SCOPUS).		2	12.5
19	**E. Cazacu**, L. Petrescu, Magnetising inrush current of low-voltage iron core three phase power reactors, Proceeding on the 16th IEEE International Conference on Harmonics and Quality of Power (ICHQP), pp. 843 - 847, Bucharest 25-28 May 2014, Romania, ISBN 978-1-4673-6487-4, ISSN 2164-0610, 10.1109/ICHQP.2014.6842874 (Indexări BDI: ISI –Thomson **WOS:000343776100173**, IEEE Xplore: IEEE Catalog Number: CFP14CHP-ART, INSPEC – Accession Number: 14399079, SCOPUS).		2	12.5
20	L. Petrescu, **E. Cazacu**, V. Ioniță, C. Petrescu, Characterization of Soft Magnetic Materials in a Wide Range of Frequencies, International Symposium on Fundamentals of Electrical Engineering, ISFEE 2014, paper ID 26, , ISBN: 978-1-4799-6821-3, 28 - 29 Nov 2014. (Indexări BDI: ISI –Thomson **WOS:000380570500098**, IEEE Xplore: IEEE Catalog Number: IEEE Cat. Number:CFP1493Y-ART, INSPEC Accession Number: 14949276, SCOPUS		4	6.25

21	**E. Cazacu**, V. Ioniță, L. Petrescu, An Improved Method for the Inrush Current Evaluation in Single Phase Power Transformers, Proceeding on the 8th International Symposium on Advanced Topics in Electrical Engineering, ISBN 978-1-4673-5979-5, Bucharest 23-25 May 2013, Romania, pp. 1 – 6, (DOI:10.1109/ATEE.2013.6563390) (Indexări BDI: ISI – Thomson **WOS:000332928500044**, IEEE Xplore: IEEE – Catalog Number: CFP1314P-CDR, INSPEC –Accession Number: 13778453).		3	8.3333333
22	**E. Cazacu**, L. Petrescu, A Simple and Low-Cost Method for Miniature Power Transformers' Hysteresis Losses Evaluation, Proceeding on the 8th International Symposium on Advanced Topics in Electrical Engineering, ISBN 978-1-4673-5979-5, Bucharest Bucharest 23-25 May 2013, Romania, 2013, pp. 1 – 4, doi: 10.1109/ATEE.2013.6563452 (Indexări BDI: ISI – Thomson **WOS:000332928500106**, IEEE Xplore: IEEE – Catalog Number: CFP1314P-CDR, INSPEC –Accession Number: 13778540).		2	12.5
23	I. V. Nemoianu, **E. Cazacu** – Analytical calculation of the constriction resistance for a switchgear pole of particular shape, 13th International Conference on Optimization of Electrical and Electronic Equipment (OPTIM), 2012, pp. 164 - 170 Braşov 2012, ISBN 978-1-4673-1650-7, E-ISBN 978-1-4673-1652-1, ISSN 1842-0133, DOI: 10.1109/OPTIM.2012.6231773 (Indexări BDI: ISI – Thomson **WOS:000398866700024**, IEEE Xplore: IEEE Catalog Number: CFP1222D-CDR, INSPEC – Accession Number: 12849220, SCOPUS).		2	12.5
24	O. Centea, I. V. Nemoianu, **E. Cazacu**, V. Păltânea, G. Păltânea – Analysis of Direct Current Flowing Inside a Linear Increasing Conductivity Half-space,12th International Conference on Optimization of Electrical and ElectronicEquipment (OPTIM), pp. 174–179, Braşov 2010, ISBN 978-1-4244-7019-8, DOI: 10.1109/OPTIM.2010.5510434 (Indexări BDI: ISI – Thomson **WOS:000291967300021**, IEEE – Catalog Number: CFP1022D-CDR, INSPEC –Accession Number: 11431587, Scopus art. no. 5510434).		5	5
25	V. Păltânea, G. Păltânea, E. Helerea, I. V. Nemoianu, **E. Cazacu** – Magnetic Measurement from Low to High Frequency on Amorphous Ribbon of Co67Fe4B14.5Si14.5 and Prediction of Excess Losses with the Statistical Loss Model Based on Magnetic Objects (OM) Theory , 12th International Conference on Optimization of Electrical and Electronic Equipment (OPTIM), pp. 63–68, Braşov 2010, ISBN 978-1-4244-7019-8, DOI: 10.1109/OPTIM.2010.5510427 (Indexări BDI: ISI – Thomson **WOS:000291967300006**, IEEE Xplore: IEEE – Catalog Number: CFP1022D-CDR, INSPEC –Accession Number: 11484293).		5	5
26	V. Ioniță, **E. Cazacu**, Educational software for the numerical correction of experimental magnetization curves, 3rd International Symposium on Electrical and Electronics Engineering (ISEEE), Sept. 16-18, pp. 193 - 196, Galați, Romania, 2010, PRINT ISBN 978-1-4244-8406-5, DOI: 10.1109/ISEEE.2010.5628515 (Indexări BDI: ISI – Thomson **WOS: 000304591700033**, IEEE Xplore: IEEE – Catalog Number: CFP1093K-ART, INSPEC – Accession Number: 11651327).		2	12.5
27	**E. Cazacu**, A. Nicolae - The influence of the diamagnetic plate thickness on the stability zone in vertical static magnetic levitation- Proceeding of 11th International IEEE Conference on Optimization of Electrical and Electronic Equipment, pp. 15-20, May 22-24, pp. 15-20, Braşov, Romania, 2008. PRINT ISBN 978-1-4244-1544-1, E-ISBN 978-1-4244-1545-8, DOI: 10.1109/OPTIM.2008.4602337 (Indexări BDI: ISI – Thomson **WOS: 000258474200003**, IEEE Xplore: IEEE Catalog Number 08EX1996, INSPEC – Accession Number: 10146011).		2	12.5
28	D. Bonfert, H. Wolf, P. Svasta, A. Romanescu, **E. Cazacu** –Transmission line pulse stress on thick film resistors, Proceedings of the 30th International Spring Seminar on Technology, ISSE 2007, pp. 70-75, May 9-13, Cluj, Romania, 2007. PRINT ISBN 987-1-4244-1218-1, E-ISBN 987-1 4244-1218-1, DOI: 10.1109/ISSE.2007.4432823 (Indexări BDI: ISI – Thomson **WOS: 000255232500013**, IEEE Xplore:IEEE catalog number: 07EX1780C, INSPEC – Accession Number: 9808937).		5	5
	Total 2.1.2.			**228.33**
	Total 2.1.			**709.55**
	2.2 Articole în reviste şi volumele unor manifestări ştiinţifice indexate în alte baze de date internaţionale BDI - minim 20 de articole din care minim 5 in reviste			
	2.2.1. Articole in reviste indexate în alte baze de date internaţionale (BDI)		**Nr. autori**	**Pcte**
1	**E. Cazacu**, V. Ioniță, L. Petrescu, Transient state characterization of asynchronous motors in modern low-voltage electric installations, The Scientific Bulletin of Electrical Engineering Faculty, vol. 18, no. 1, pp. 19-25. May. 2018, doi:10.1515/sbeef-2017-0017. (Categoria CNCSIS B+, CNCSIS 830, – Indexare **BDI: IndexCopernicus**, DE GRUYTER), ISSN: 1582-5175, ISSN 1843-6188, ISSN (Online) 2286-2455		3	6.67
2	**E. Cazacu**, L. Petrescu, Maria-Cătălina Petrescu, The major predictive maintenance actions of the electric equipments in the industrial facilities, The Scientific Bulletin of Electrical Engineering Faculty, vol. 18, no. 1, pp. 26-33, May. 2018, doi:10.1515/sbeef-2017-0018, (categoria CNCSIS B+, CNCSIS 830, – **Indexare BDI: IndexCopernicus**, DE GRUYTER), ISSN: 1582-5175, ISSN 1843-6188, ISSN (Online) 2286-2455		3	6.67
3	Maria-Cătălina Petrescu, L. Petrescu, **E. Cazacu**, "Influence of planar transformer windings interleaving on parasitic parameters", in Electrotehnica, Electronica, Automatica (EEA), 2018, vol. 66, no. 2, pp. 45-50, ISSN 1582-5175. (categoria CNCSIS B+, CNCSIS 830, **– Indexare BDI: SCOPUS, Engineering Village, Ulrich's Periodicals Directory**)		3	6.67
4	**E. Cazacu**, Marilena Stănculescu, On the Correction of the Power Factor in Modern Low-Voltage Power Electrical Installations, The Scientific Bulletin of Electrical Engineering Faculty, vol. 7, no. 2, 2017, ISSN: 1582-5175, pp. 10 – 15. ISSN 1843-6188, ISSN (Online) 2286-2455, DOI: 10.1515/SBEEF-2017-0003 (categoria CNCSIS B+, CNCSIS 830, **– Indexare BDI: IndexCopernicus, DE GRUYTER**)		2	10.00
5	L. Petrescu, **E. Cazacu** and Maria-Cătălina Petrescu – The Nonlinear and Unbalanced Loads Quantitative Impact on the Neutral Conductor Current , EEA - Electrotehnică, Electronică, Automatică, Vol. 64, Nr. 1, 2016, pp. 48–54, ISSN: 1582-5175. (categoria B +, cod CNCSIS 465, **indexări BDI: SCOPUS, Index Copernicus, Ulrich's Periodicals Directory**, http://journals.indexcopernicus.com/EEA+-+Electrotehnica+Electronica+Automatica,p9171,3.html, ICV 2013: 4.66, http://www.eea-journal.ro/ro/p/EEA)		3	6.67
6	**E. Cazacu**, Marilena Stănculescu – On the stability issues of the main electromagnetic levitation techniques, The Scientific Bulletin of the Electrical Engineering Faculty, Year 13, No. 1(21), pp. 9 – 13, 2013, ISSN 1843-6188 (categoria CNCSIS B+, CNCSIS 830, – **Indexare BDI: IndexCopernicus** http://jml2012.indexcopernicus.com/The+Scientific+Bulletin+of+Electrical+Engineering+Faculty,p1823,3.html, ICV 2013: 5.27, http://www.buletinfie.ro/en/)		2	10.00
7	I. V. Nemoianu, **E. Cazacu** – Particle swarm optimization algorithm for diamagnetically stabilized horizontal permanent magnet levitation, Scientific Bulletin of Electrical Engineering Faculty, Nr. 2, 2013, pp. 31– 35, ISSN 1843- 6188. (categoria B +, cod CNCSIS 830, indexări **BDI: IndexCopernicus** http://jml2012.indexcopernicus.com/The+Scientific+Bulletin+of+Electrical+Engineering+Faculty,p1823,3.html, ICV 2013: 5.27, http://www.buletinfie.ro/en/		2	10.00
8	**E. Cazacu**, M. Stănculescu, Analytical field computation and energetically requirements of two different electro-dynamics suspension techniques, Scientific Bulletin of Electrical Engineering Faculty, vol. 20, no. 3, pp. 9-12, 2012, ISSN 1843-6188. (cotat B+, cod CNCSIS 830, **Indexare BDI:IndexCopernicus,** http://jml2012.indexcopernicus.com/The+Scientific+Bulletin+of+Electrical+Engineering+Faculty,p1823,3.html, ICV 2013: 5.19, http://www.buletinfie.ro/en/).		2	10.00
9	**E. Cazacu**, I. V. Nemoianu, M. C. Constantin – Accurate Computation of the Prospective Short Circuit Currents in Low Voltage Electric Installations, EEA - Electrotehnică, Electronică, Automatică, Vol. 59, Nr. 1, 2011, pp. 41–48, ISSN: 1582-5175. (categoria B +, cod CNCSIS 465, indexări **BDI: SCOPUS, Index Copernicus, Ulrich's Periodicals Directory**, http://journals.indexcopernicus.com/EEA+-+Electrotehnica+Electronica+Automatica,p9171,3.html, ICV 2013: 4.66, http://www.eea-journal.ro/ro/p/EEA)		3	6.67
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13	I. V. Nemoianu, **E. Cazacu**, V. Păltânea, G. Păltânea – Study of a disc-shaped eath-electrode injecting current into an exponentially increasing conductivity soil, University "Politehnica" of Bucharest, Scientific Bulletin Series C: Electrical Engineering and Computer Science, Volume 72, Issue 4 , 2010, pp. 185–192, ISSN 1454-234x (categoria B +, cod CNCSIS 101, **indexări BDI: SCOPUS**, WorldCat - Unique Identifier: 693899785) .		4	5.00
14	A. Stănciulescu, **E. Cazacu**, Theoretical and practical improvements concerning the inductive displacement transducer with magnetic rack, University "Politehnica" of Bucharest, Scientific Bulletin Series C: Electrical Engineering and Computer Science, Vol. 69, No. 1, pp. 3-10, 2007, ISSN 1454-234x (categoria B +, cod CNCSIS 101, indexări BDI: **SCOPUS, Ulrich's Periodical Directory, INSPEC** -Accession number: 9745857).		2	10.00
15	F. Manea, **E. Cazacu** – On the electrodynamical relativity, Scientific University "Politehnica" of Bucharest, Scientific Bulletin Series, Series C, Vol. 68, No. 4, pp. 61-70, 2006, ISSN 1454-234x (categoria B +, cod CNCSIS 101, indexări **BDI: Ulrich's Periodical Directory, INSPEC** Accession number: 9499653).		2	10.00
16	**E. Cazacu**, A. Stănciulescu – Vertical Diamagnetic Levitation Array with Extended Stability Area, Annals of the University of Craiova – Romania, Series : Electrical Engineering, Tome 30, No. 30, pp. 12-15, 2006, ISSN 1842-4805 (categoria B+, cod CNCSIS 174, **indexări BDI: Ulrich's Periodical Directory, Index Copernicus**).		2	10.00
17	**E. Cazacu**, A. Moraru – Escaping from Earnshaw's Theorem, Revue Roumaine des Sciences Techniques – Série Electrotechnique et Energétique, Ed. Academiei Române, Tome 51, No. 3, pp. 257-280, Bucarest, 2006, ISSN 0035-4066. (categoria B+, cod CNCSIS 237, indexări **BDI: INSPEC** – Accession number: 9614145, WorldCat – Unique Identifier: 109255090, **SCOPUS**, British Library – UIN: ETOCRN193508946).		2	10.00
18	**E. Cazacu**, A. Moraru – Diamagnetic Levitation Solution for a Cylindrical Symmetric Ring magnet, Revue Roumaine des Sciences Techniques – Série Electrotechnique et Energétique, Ed. Academiei Române, tome 51, no. 1, pp. 37-44, Bucarest, 2006, ISSN 0035-4066. (categoria B+, cod CNCSIS 237, indexări BDI: **SCOPUS, INSPEC** – Accession number: 9611645, WorldCat – Unique Identifier : 108673778, British Library – UIN : ETOCRN186949480).		2	10.00
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20	**E. Cazacu**, A. Moraru – Levitation solution for a cylindrical symmetric bar magnet – Revue Roumaine des Sciences Techniques – Série Electrotechnique et Energétique, Ed. Academiei Române, Tome 50, No. 2, pp. 199-205, Bucarest, 2005, ISSN 0035-4066. (categoria B+, cod CNCSIS 237, indexări BDI: **SCOPUS, INSPEC** – Accession number: 8714435, WorldCat – Unique Identifier : 109466426, Scopus, British Library – UIN : ETOCRN171631633).		2	10.00
21	**E. Cazacu**, Theoretical and experimental results on the permanent magnet levitation stabilized by diamagnetic materials, Revue Roumaine des Sciences Techniques – Série Electrotechnique et Energétique, Ed. Academiei Române, tome 50, no. 1, pp. 3-10, Bucarest, 2005, ISSN 0035-4066. (categoria B+, cod CNCSIS 237, indexări BDI: **SCOPUS, INSPEC** – Accession number: 8687007, WorldCat – Unique Identifier : 109198990, Scopus, British Library – UIN : ETOCRN168612148).		1	20.00
22	**E. Cazacu** – Permanent magnet levitation stabilized by diamagnetic materials – Revue Roumaine des Sciences Techniques – Série Electrotechnique et Energétique, Ed. Academiei Române, Tome 48, No. 1, pp. 19-26, Bucarest, 2003, ISSN 0035-4066. (categoria B+, cod CNCSIS 237, indexări BDI: **SCOPUS, INSPEC** – Accession number: 8106007, WorldCat – Unique Identifier : 109251531, Scopus, British Library – UIN : ETOCRN144029080).		1	20.00
23	**E. Cazacu** – A few aspects regarding the stability of magnetic levitation in stationary fields – University "Politehnica" of Bucharest, Scientific Bulletin Series, Series C, vol. 65, no. 1–4, pp. 55- 62, 2003, ISSN 1454-234x. (categoria B +, cod CNCSIS 101, indexări BDI: Ulrich's Periodical Directory, **SCOPUS, INSPEC** Accession number: 8447757, Scopus).		1	20.00
24	**E. Cazacu** – Stable magnetic levitation in stationary field using diamagnetic material– Revue Roumaine des Sciences Techniques – Série Electrotechnique et Energétique, Ed. Academiei Române, Tome 47, No. 3, pp. 271 - 277, Bucarest, 2002, ISSN 0035-4066. (categoria B+, cod CNCSIS 237, indexări BDI: **SCOPUS, INSPEC** – Accession number: 8167575, WorldCat – Unique Identifier : 108459866, Scopus, British Library – UIN : ETOCRN135059377).		1	20.00
25	**E. Cazacu** – Stable magnetic levitation in stationary field using diamagnetic material– Revue Roumaine des Sciences Techniques – Série Electrotechnique et Energétique, Ed. Academiei Române, Tome 47, No. 3, pp. 271 - 277, Bucarest, 2002, ISSN 0035-4066. (categoria B+, cod CNCSIS 237, indexări BDI: **SCOPUS, INSPEC** – Accession number: 8167575, WorldCat – Unique Identifier : 108459866, Scopus, British Library – UIN : ETOCRN135059377).		1	20.00
	Total 2.2.1.			278.33
	2.2.2. Articole în volumele unor manifestări ştiinţifice indexate în alte baze de date internaţionale (BDI)			
1	N. L. Iacobici, **E. Cazacu**, M. Frigura-Iliasa and F. M. Frigura-Iliasa, "Feedback type computer simulated control model for a permanent magnet measuring system," 2018 IEEE 16th World Symposium on Applied Machine Intelligence and Informatics (SAMI), Kosice and Herlany, Slovakia, 7-10 Feb. 2018, pp. 000033-000036. doi: 10.1109/SAMI.2018.8324851, Electronic ISBN: 978-1-5386-4772-1, USB ISBN: 978-1-5386-4771-4, Print on Demand(PoD) ISBN: 978-1-5386-4773-8, **(Indexări BDI: IEEE Xplore**).		4	5.00
2	C. Vinga, S. Musuroi, F. M. Frigura-Iliasa, **E. Cazacu**, L. Petrescu and F. Dan Surianu, "Computational Study About the Active Power and Energy Losses of a 40 MVA 110/6 kV Transformer," 2018 IEEE 22nd International Conference on Intelligent Engineering Systems (INES), Las Palmas de Gran Canaria,Spania, 21-23 June, 2018, pp. 000077-000080, ISSN: 1543-9259, doi: 10.1109/INES.2018.8523961 **(Indexări BDI: IEEE Xplore**).		6	3.33
3	C. Vinga, **E. Cazacu**, F. M. Frigura-Iliasa, D. Vatau, "Educational model for diamagnetic material applications in micro and nano levitation devices", 16th International Conference on Information Technology Based Higher Education and Training (ITHET), Ohrid, Macedonia, 10-12 July 2017, pp. 1-4, DOI: 10.1109/ITHET.2017.8067809, E-ISBN: 978-1-5386-3968-9, USB ISBN: 978-1-5386-3967-2, Print on Demand (PoD) ISBN: 978-1-5386-3969-6, ISSN: 2380-1603, (Indexări BDI: ISI: WOS:000426982900026, IEEE Xplore, IEEE Catalog Number: CFP17578-ART).**Indexare BDI: IEEE Xplore**		4	5.00
4	Mihaela Frigura-Iliasa ; **E. Cazacu**; F. M. Frigura-Iliasa, " Educational perspective of low voltage power quality in modern electric installations", 16th International Conference on Information Technology Based Higher Education and Training (ITHET), Ohrid, Macedonia, 10-12 July 2017, pp. 1-4, DOI: 10.1109/ITHET.2017.8067810, E-ISBN: 978-1-5386-3968-9, USB ISBN: 978-1-5386-3967-2, Print on Demand(PoD) ISBN: 978-1-5386-3969-6, ISSN: 2380-1603, (Indexări BDI: ISI WOS:000426982900025, **IEEE Xplore**, IEEE Cat. Number: CFP17578 ART).		3	6.67
5	G. Ionescu, G. Păltânea, V. Păltânea, I. V. Nemoianu, **E. Cazacu**, – Elimination of High Order Harmonics from the Output Voltage of an Inverter Using a Special Configuration Device, Annals of DAAAM for 2011& Proceedings of the 22nd International DAAAM Symposium, ISBN 978-3-901509-83-4, ISSN 1726-9679, pp. 0521-0522, Editor Branko Katalinic, Published by DAAAM International, Vienna, Austria 2011 **(Indexări BDI: EBSCO** HOST Connection – Accession #: 69985144, SCOPUS).		5	4.00
6	I. V. Nemoianu, **E. Cazacu**, G. Ionescu, V. Păltânea, G. Păltânea – Study of the Conduction Phenomenon Inside an Inhomogeneous Half-Space of Exponentially Increasing Conductivity (2010). 0717-0719, Annals of DAAAM for 2010 & Proceedings of the 21st International DAAAM Symposium, ISBN 978-3-901509-73-5, ISSN 1726-9679, pp. 717-718, Editor B. Katalinic, Published by DAAAM International, Vienna, Austria 2010 **(Indexări BDI: EBSCO** HOST Connection – Accession #: 55674816, **SCOPUS**)		5	4.00
7	**E. Cazacu**, Permanent Magnet Levitation Stabilized by Diamagnetic Materials: A case-study, Proceedings of the 6th International Conference on Computational Electromagnetics CEM, 2006, April 4-6, pp. 1-2, Aachen, Germany, 2006, ISBN 978-3-8007-2957-1. **(Indexat IEEE Xplore**, VDE Verlag, British Library – UIN : ETOCCN069436491).		1	20.00
	Total 2.2.2.			**48.00**
	Total 2.2.			**326.33**
	2.3.Brevete de invenţie indexate în alte baze de date			
	2.3.1. Internaţionale		Nr.Autori	Pcte

	2.3.2. Naţionale		Nr.Autori	Pcte
	Total 2.3.			0
	2.4. Granturi/proiecte câştigate prin competiţie nationala/internationala- -minim 2 ca director sau responsabil			
	2.4.1. Granturi câştigate prin competiţie ca director/responsabil de proiect			
	2.4.1.1. Granturi internaţionale câştigate prin competiţie ca director/responsabil de proiect		Nr. ani	Pcte
	Total 2.4.1.1.			0
	2.4.1.2. Granturi naţionale câştigate prin competiţie ca director/responsabil de proiect		**Nr. ani**	**Pcte**
1	**Responsabil de proiect** al grantului de cercetare tip Cec de inovare, între **UEFISCDI** şi BOSADI ELECTRIC S.R.L şi UPB, contract **nr. 204 CI/ 2018, PN-III-P2-2.1-CI-2018-1220** competiţie nationala 2018 (obtinut 87 pct. din max. 100 pct.) - contractat 50000 RON, nr. intern ET-02-18-04, Sistem inteligent de mentenanţă predictivă a unor echipamente electrice industriale critice. https://uefiscdi.ro/cecuri-de-inovare site contract: http://www.simpec.elth.pub.ro/		**0.5**	**5**
2	**Responsabil de proiect** al grantului de cercetare tip Cec de inovare, între **UEFISCDI** şi ASTI AUTOMATION S.R.L. şi UPB, contract **nr. 187CI/ 2018, PN-III-P2-2.1-CI-2018-1098** competiţie nationala 2018 (obtinut 84 pct. din max. 100 pct.) - contractat 50000 RON, nr. intern ET-02-18-02, Sistem inteligent de monitorizare continuă şi denominare a parametrilor transformatoarelor de distribuţie în regim nesinusoidal. https://uefiscdi.ro/cecuri-de-inovare site contract: http://www.sidtrin.elth.pub.ro/		**0.5**	**5**
3	**Director grant de cercetare** intre MECT si UPB contract nr. **18GR/29.05.2007**, tema 1, cod **CNCSIS** AT nr. 13 competiţie nationala 2007 (obtinut 90.33 pct din max.100 pct.) - contractat 27200 RON, nr. intern ET-02-07-10 -Analiza zonei de stabilitate statică a levitaţiei corpurilor din materiale diamagnetice în câmpul magnetic staţionar-proiect Microsisteme de levitaţie electromagnetica bazate pe utilizarea materialelor diamagnetice 2007-2008, http://old.uefiscdi.ro/Public/cat/68/Granturi-CNCSIS--arhiva.html		**1**	**10**
4	**Director grant de cercetare** intre MECT si UPB contract **nr. 49GR/24.06.2008**, tema 1, cod **CNCSIS** AT nr. 13 competiţie nationala 2008 (obtinut 47 pct din max.50 pct.) - contractat 43170 RON, nr. intern ET-02-08-21 –Levitaţia statică a magneţilor permanenţi cu ajutorul materialelor diamagnetice-proiect Microsisteme de levitaţie electromagnetica bazate pe utilizarea materialelor diamagnetice. 2008-2009, http://old.uefiscdi.ro/Public/cat/68/Granturi-CNCSIS--arhiva.html		**1**	**10**
	Total 2.4.1.2.			**30**
	Total 2.4.1.			**30**
	2.4.2. Granturi câştigate prin competiţie nationala/internationala ca membru în echipă			
	2.4.2.1. Granturi câştigate prin competiţie internationala ca membru în echipă		Nr. ani	Pcte
				0
	Total 2.4.2.1.			
	2.4.2.2. Granturi câştigate prin competiţie nationala ca membru în echipă		**Nr. ani**	**Pcte**
1	Predeterminarea pierderilor de energie pentru proiectarea îmbunatăţită a miezurilor nanocompozite magnetice moi în aplicaţii având game extinse de frecvenţe (ELIDEF, PED 70/2017) UEFISCDI - PN-III-P2-2.1-PED. Director prof.dr.ing. Ioniţă Valentin, contractat 600000 ron		**2**	**4**
2	Grantul de cercetare intre MECT (MEdCT) si UPB tip CNCSIS A nr. 52 pe 2006 intitulat Ecrane feromagnetice pentru câmpul electromagnetic, Director prof.dr.ing. Hanţilă Florea, contractat 45000 ron.		**2**	**4**
3	Grantul de cercetare intre MECT (MEdCT) si UPB tip CNCSIS A nr. 52 pe 2006 intitulat Ecrane feromagnetice pentru câmpul electromagnetic, Director prof.dr.ing. Hanţilă Florea, contractat 45000 ron.		**2**	**4**
4	Grant de cercetare intre MECT (MEdCT) si UPB de tip CNCSIS AT nr. 184/2004 intitulat Cuplaje electromagnetice între componentele microsistemelor electronice şi mecanice, Director S.I. dr. ing. Nemoianu Iosif Vasile, contractat 43200 mii lei (rol)		**2**	**4**
5	Grantul de cercetare intre MECT (MEdCT) si UPB tip CNCSIS A nr. 51 pe 2003 intitulat Câmpul electromagnetic şi forţele în structuri cu magneţi permanenţi, Director prof.dr.ing. Spinei Fănică, contractat 53250 mii lei (rol)		**3**	**6**
6	Grantul de cercetare intre MECT (MEdCT) si UPB tip CNCSIS A nr. 94 pe 2003 intitulat Analiza cuplajelor electromagnetice prin metode integrale, Director prof.dr.ing. Hanţilă Florea, contractat 61250 mii lei (rol)		**3**	**6**
7	Grantul de cercetare intre MECT (MEdCT) si UPB tip CNCSIS tip A nr. 227 pe 2002 intitulat Fenomene electromagnetice în instalatiile industriale de electroliza a aluminiului, Director prof.dr.ing. Panaitescu Aureliu, contractat 50000 mii lei (ron)		**2**	**4**
8	Grant de cercetare intre MECT (MEdCT) si UPB tip CNCSIS Contract nr. 185/2002 intitulat Calculul forţelor electromagnetice în structuri cu corpuri aflate în mişcare, contractat 50000 mii lei (ron) Director prof. dr. ing. Hanţilă Florea		**2**	**4**
9	Grant de cercetare intre MECT (MEdCT) si UPB tip CNCSIS nr. 629 pe 2001 intitulat Câmpul electromagnetic şi termic în cuptoare de microunde. (faza I a grantului Algoritm de analiză a câmpului electromagnetic în cuptoarele de microunde), responsabil prof. dr. ing. Fănică Spinei		**2**	**4**
	Total 2.4.2.2.			**40**
	Total 2.4.2.			**40**
	Total 2.4.			**70**

	2.5 Contracte de cercetare/consultanță (valoare echivalentă de minimum 2.000 euro)			
	2.5.1. Contracte de cercetare/consultanță - responsabil		**Nr. ani**	**Pcte**
1	Contract NR. A02/29.05.2014 încheiat între SC ELNET INSTAL SRL în calitate de Prestator şi SC SINIAT SA în calitate de Beneficiar, având ca obiect realizarea Bilanțului Electro-Energetic pentru Instalația de Concasare şi Măcinare Ghips cu o putere instalată de 560 kW, 2014		**0.5**	**2.5**
2	Contract NR.14303/01.06.2013 încheiat între SC ELNET INSTAL SRL în calitate de Prestator şi GERMANISCHER LLOYD INDUSTRIAL SERVICES Romania SRL în calitate de Beneficiar, având ca obiect realizarea Auditului energetic la 6 stații de distribuție combustibil ai ROMPETROL DOWNSTREAM SRL putere instalată 1500 kW, 2013.		**0.5**	**2.5**
3	Contract NR.161/17.08.2012 încheiat între SC ELNET INSTAL SRL în calitate de Prestator şi S.C. GA-PRO-CO CHEMICALS S.A în calitate de Beneficiar, având ca obiect realizarea Audit energetic complex pentru sectia de uree granulata puterea instalată 22 MW, 2012.		**0.5**	**2.5**
4	Contract NR.154/10.02.2012 încheiat între SC ELNET INSTAL SRL în calitate de Prestator şi SC ECOPACK SA în calitate de Beneficiar, având ca obiect realizarea Audit Electroenergetic pentru statia de alimentare cu energie electrică a societătii cu o putere instalată de 2x1600 kVA., 2012.		**0.5**	**2.5**
5	Contract NR.132/02.05.2011 încheiat între SC ELNET INSTAL SRL în calitate de Prestator şi SC DONAU CHEM SRL în calitate de Beneficiar, având ca obiect realizarea Bilanțului Energetic Complex pentru instalatia de Acid Azotic II., putre instalată 660 kW, 2011.		**0.5**	**2.5**
6	Contract NR.125/11.01.2011 încheiat între SC ELNET INSTAL SRL în calitate de Prestator şi SC CHEMGAS HOLDING CORPORATION SRL în calitate de Beneficiar, având ca obiect realizarea Bilant Electronergetic pentru statia de alimentare cu energie electrica si pentru principalii consumatori electrici de putere instalată 2x 63 MVA, 2011.		**0.5**	**2.5**
7	Contract NR.124/09.12.2010 încheiat între SC ELNET INSTAL SRL în calitate de Prestator şi SC ECOPAPER SA în calitate de Beneficiar, având ca obiect realizarea Bilant Energetic Complex pentru instalatia de producere a aburului tehnologic si pentru statia de alimentare cu energie electrica a consumatorilor electrici de putere instalată 12.23 MW, 2010.		**0.5**	**2.5**
8	Contract NR.118/08.09.2010 încheiat între SC ELNET INSTAL SRL în calitate de Prestator şi SC SIMAR INDUSTRIAL SRL în calitate de Beneficiar, având ca obiect realizarea Studiu eficiență şi calitate a energiei electrice în vederea diminuării consumului de energie reactivă, puterea instalată 1500 kW, 2010.		**0.5**	**2.5**
9	Contract NR.115/14.08.2010 încheiat între SC ELNET INSTAL SRL în calitate de Prestator şi SC McDONALD'S Romania SRL în calitate de Beneficiar, având ca obiect realizarea Studii de calitate a energiei electrice consumate pentru 22 de restaurante Mc Donald's, cu puterere instalată totală de 560 kW , 2010.		**0.5**	**2.5**
10	Contract NR.80/18.03.2010 încheiat între SC ELNET INSTAL SRL în calitate de Prestator şi SC UZTEL SA în calitate de Beneficiar, având ca obiect realizarea Bilanț de eficiență electro-energetică penru cuptorul electric cu inductie pentru topire fonta si otel TIP GS 800L 600 CER/1997 capacitate 1Tonă -TO2, (Producator AAGES-Tg. Mures) putere instalată 800 kW, 2010.		**0.5**	**2.5**
	Total 2.5.1.			**25.00**
	2.5.2. Contracte de cercetare/consultanță - membru în echipă		**Nr. ani**	**Pcte**
1	Analiza regimului termic al dispozitivelor electromagnetice ce funcționează în regim periodic nesinusoidal - 79 / 26.09.2016 (GEX-UPB) – Director proiect (autoritatea contractantă UPB – Contractor: Lucian Petrescu, tip proiect: Grant Intern de Cercetare) contractat 22000 Ron		**1**	**2**
2	Analiza numerică a miezului nanocompozit al unui transformator planar (proiect Gex-UPB 3/26.09.2017) (2017 – 2018) (Director de proiect: as. Maria-Cătălina PETRESCU) contractat 22000 Ron		**1**	**2**
	Total 2.5.2.			4.00
	Total 2.5.			29.00
	TOTAL A2 (minim 360)			**1134.88**

	A.3. Recunoaşterea impactului activităţii			
	3.1. Citări în reviste WOS (ISI) si şi volumele conferintelor WOS (ISI) - minim 10 citari		**Nr. Autori**	**Puncte**
	E. Cazacu, L. Petrescu and V. Ionita, "Derating of power distribution transformers serving nonlinear industrial loads," 2017 International Conference on Optimization of Electrical and Electronic Equipment (OPTIM) & 2017 Intl Aegean Conference on Electrical Machines and Power Electronics (ACEMP), Brasov, Romania, 25 May - 27 May 2017, pp. 90-95.doi: 10.1109/OPTIM.2017.7974953, IEEE Catalog Number: CFP1722D-ART, ISBN:978-1-5090-4489-4, WOS:000426909600013.			
1	Bhaba Priyo Das and Zoran Radakovic, "Is Transformer kVA Derating Always Required Under Harmonics? A Manufacturer's Perspective", IEEE TRANSACTIONS ON POWER DELIVERY, VOL. 33, NO. 6, pp. 2693-2699, DECEMBER 2018, ISSN: 0885-8977, DOI: 10.1109/TPWRD.2018.2815901, WOS:000451230500012		2	2.50
	E. Cazacu, L. Petrescu, Magnetising inrush current of low-voltage iron core three phase power reactors, Proceeding on the 16th IEEE International Conference on Harmonics and Quality of Power (ICHQP), pp. 843 - 847, Bucharest 25-28 May 2014, Romania, ISBN 978-1-4673-6487-4, ISSN 2164-0610, DOI: 10.1109/ICHQP.2014.6842874 (Indexări BDI: ISI –Thomson WOS:000343776100173, IEEE Xplore: IEEE Catalog Number: CFP14CHP-ART, INSPEC – Accession Number: 14399079) este citata de			
2	Xiaoqin Zhang, Transient Calculation of Electric Power Circuits with Special Reference to Magnetizing Nonlinearity, Journal of Circuits, Systems and Computers Volume 25, Issue 06, Article Number: 1650054, , June, 2016 – DOI: 10.1142/S0218126616500547, **WOS:000377027200005**.		2	2.50
3	V. Ionita, Computation of Non-Sinusoidal Hysteresis Losses Using Standardized Measured Data, International Symposium on Fundamentals of Electrical Engineering, ISFEE 2014, 28th-29th November 2014, Bucharest, ISBN: 978-1-4799-6820-6, pp.1-6, **WOS:000380570500078**		2	2.50
	E. Cazacu, V. Ioniță, L. Petrescu, An Improved Method for the Inrush Current Evaluation in Single Phase Power Transformers, Proceeding on the 8th International Symposium on Advanced Topics in Electrical Engineering, ISBN 978-1-4673-5979-5, Bucharest 23-25 May 2013, Romania, pp. 1 – 6, (DOI:10.1109/ATEE.2013.6563390) (Indexări BDI: ISI – Thomson WOS:000332928500044, IEEE Xplore: IEEE – Catalog Number: CFP1314P-CDR, INSPEC –Accession Number: 13778453)			
4	Xiaoqin Zhang, Transient Calculation of Electric Power Circuits with Special Reference to Magnetizing Nonlinearity, Journal of Circuits, Systems and Computers Volume 25, Issue 06, Article Number: 1650054, , June, 2016 – DOI: 10.1142/S0218126616500547, **WOS:000377027200005**.		3	1.67
5	Peesapati, Rajagopal; Yadav, Vinod Kumar; Kumar, Niranjan, ASSESSMENT OF TEMPORARY OVERVOLTAGES DURING NETWORK LINES RE-ENERGIZATION, ADVANCES IN ELECTRICAL AND ELECTRONIC ENGINEERING Volume: 14 Issue: 3 Pages: 227-235, SEP 2016, ISSN: 1336-1376, DOI: 10.15598/aeee.v14i3.1775, **WOS:000409032300002**		3	1.67
6	K. Deželak and J. Pihler, "Artificial Neural Network as Part of a Saturation-Level Detector Within the Transformer's Magnetic Core," in IEEE Transactions on Magnetics, vol. 52, no. 5, pp. 1-4, May 2016, DOI: 10.1109/TMAG.2015.2512442, **WOS:000375026600046**.		3	1.67
	E. Cazacu, I. V. Nemoianu, M. C. Constantin – Accurate Computation of the Prospective Short Circuit Currents in Low Voltage Electric Installations, EEA - Electrotehnică, Electronică, Automatică, Vol. 59, Nr. 1, 2011, pp. 41–48, ISSN: 1582-5175 este citata de			
7	Maria-Catalina Petrescu, L. Petrescu, Electrodynamic Forces between two DC Busbars Distribution Systems Conductors, Volume: 78, Issue: 2, pp. 223-234, 2016, ISSN (print): 2286-3540 / (online): 2286-3559 – **WOS:000388733300020**.		3	1.67
	E. Cazacu, Marilena Stănculescu – On the stability issues of the main electromagnetic levitation techniques, The Scientific Bulletin of the Electrical Engineering Faculty, Year 13, No 1(21), pp. 9 – 13, 2013, ISSN 1843-6188, este citata de			
8	Maria-Catalina Petrescu, L. Petrescu, Electrodynamic Forces between two DC Busbars Distribution Systems Conductors, Volume: 78, Issue: 2, pp. 223-234, 2016, ISSN (print): 2286-3540 / (online): 2286-3559– **WOS:000388733300020**		2	2.50
	E. Cazacu, V. Năvrăpescu, I. V. Nemoianu, On-site efficiency evaluation for in-service induction motors, Revue Roumaine des Sciences Techniques – Série Electrotechnique et Energétique, Ed Academiei Române, tome 58, no. 1, pp. 63–72, Bucarest, 2013, ISSN 0035-4066. (categoria A, cod CNCSIS 237, cotat ISI –Thomson Master Journal List – IF 2018: 1.114, WOS: 000319367500007, Scopus, INSPEC) este citata de			
9	Tudorache, Tiberiu; Ilina, Ion-Daniel; Melcescu, Leonard, Parameters Estimation of an Induction motor using Optimization algorithms, Rev. Roum. Sci. Techn. – Électrotechn. et Énerg. Volume: 61 Issue: 2 Pages: 121-125 Published: APR-JUN 2016 - **WOS:000381238000005**.		3	1.67
10	Dulau, M; Abrudean, M; Duka, A V; Oltean SE, „The DC Motor as a System Affected by Parameter Uncertainties" Rev. Roum. Sci. Techn. – Électrotechn. et Énerg., Volume: 61 Issue: 2 Pages: 131-136 APR-JUN 2016 – **WOS:000381238000007**		3	1.67
	E. Cazacu, I. V. Nemoianu,– A novel configuration for static permanent magnet levitation, Revue Roumaine des Sciences Techniques – Série Electrotechnique et Energétique, Ed. Academiei Române, tome 55, no. 2, pp. 153–160, Bucarest, 2010, ISSN 0035-4066. (categoria A, cod CNCSIS 237, cotat ISI –Thomson Master Journal List IF 2018: 1.114, WOS:000279820000006, Scopus, INSPEC). citat de			
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27	DUMITRESCU, C. I., POPESCU, M. O., UPS Voltage Stabilization by Boost Converter Implementation" Electrotehnica, Electronica, Automatica (EEA); Bucharest Vol. 64, no. 2, pp. 71-75, Apr-Jun 2016, ISSN 1582-5175.**(BDI: SCOPUS, INSPEC, Index Copernicus International, ProQuest)**		**2**	**1.00**
28	DUMITRESCU C.I., POPESCU M. O., "Characteristics of Different UPS Topologies", in Electrotehnica, Electronica, Automatica (EEA), 2016, vol. 64, no. 4, pp. 102-105, ISSN 1582-5175.**(BDI: SCOPUS, INSPEC, Index Copernicus International, ProQuest)**		**2**	**1.00**
29	Daniela Georgiana GOLEA, Lucian Ştefan COZMA, THE MAGNETIC PROPERTIES OF MATERIALS AND NEW MILITARY APPLICATIONS OF THEM, Scientific Research & Education in the Air Force - AFASES . 2017, Vol. 1, p305-314. 10p., DOI: 10.19062/2247-3173.2017.19.1.37, ISSN: 2247-3173, ISSN, ISSN-L:2247-3173, **(BDI: EBSCO, Index Copernicus)**		**2**	**1.00**
	E. Cazacu – Levitaţia electromagnetică, Editura Electra ICPE, Bucureşti 2004, ISBN 973-7728-04-1, 161 pagini (Cod CNCSIS Editura 48). Citat de			
30	Daniela Georgiana GOLEA, Lucian Ştefan COZMA, THE MAGNETIC PROPERTIES OF MATERIALS AND NEW MILITARY APPLICATIONS OF THEM, Scientific Research & Education in the Air Force - AFASES . 2017, Vol. 1, p305-314. 10p., DOI: 10.19062/2247-3173.2017.19.1.37, ISSN: 2247-3173, ISSN, ISSN-L:2247-3173, **BDI: EBSCO, Index Copernicus**		**1**	**2.00**
	E. Cazacu, I. V. Nemoianu – Dispozitive magnetice speciale; Elemente de teorie şi calcul, Editura Matrix Rom, Bucureşti 2008, ISBN 978-973-775-346-1, 160 pagini. (Cod CNCSIS Editura 39).citat de			
31	Daniela Georgiana GOLEA, Lucian Ştefan COZMA, THE MAGNETIC PROPERTIES OF MATERIALS AND NEW MILITARY APPLICATIONS OF THEM, Scientific Research & Education in the Air Force - AFASES . 2017, Vol. 1, p305-314. 10p., DOI: 10.19062/2247-3173.2017.19.1.37, ISSN: 2247-3173, ISSN, ISSN-L:2247-3173, **(BDI: EBSCO, Index Copernicus)**		**2**	**1.00**

	E. Cazacu, M. C. Petrescu, V. Ioniță and L. Petrescu, "Nonsinusoidal load current effect on the electrical and thermal operating parameters of oil filled power distribution transformers," 2018 18th International Conference on Harmonics and Quality of Power (ICHQP), Ljubljana, Slovenia, 2018, pp. 1-6, doi: 10.1109/ICHQP.2018.8378838			
32	Lidiia Kovernikova and Ngo Van Cuong, „Evaluation of the Influence of Non-sinusoidal Conditions on Power Transformers", E3S Web of Conferences vol. 58, article no. 03012, no. Of pages. 5, 2018, eISSN: 2267-1242, DOI: https://doi.org/10.1051/e3sconf/20185803012, Section Energy Security, Reliability and Quality of Energy Consumption, Modeling and Information Technology RSES 2018 (inexare BDI: **SCPOPUS, EBESCO, ProQuest**)		4	0.50
	Total 3.2			**28.30**
	Total 3.1.+3.2			**173.88**
	3.3. Prezentări invitate în plenul unor manifestări ştiinţifice naţionale şi internaţionale şi profesor invitat (exclusiv POS, ERASMUS)			
	3.3.1. Prrezentări - internaţionale			Puncte
	Total 3.3.1.			0.00
	3.3.2. Prrezentări - naţionale			Puncte
	Total 3.3.2.			0.00
	Total 3.3			0.00
	3.4. Membru în colectivele de redacţie sau comitete ştiinţifice ale revistelor şi manifestărilor ştiinţifice, organizator de manifestări ştiinţifice, recenzor pentru reviste şi manifestări ştiinţifice naţionale şi internaţionale (punctajul se acordă pentru fiecare revistă, manifestare ştiinţifică şi recenzie)			
	3.4.1. WOS (ISI)			
	A.			Puncte
1	Comitetul de suport ştiinţific (2007-2014) al revistei Revue Roumaine des Sciences Techniques – Série Electrotechnique et Energétique , Editura Academiei Române, ISSN 0035-4066 (revista cotata ISI, IF 2018: 1.114)			10
				10
	B.			Puncte
1	Membru in comitetul stiintific de program (Conference Program Committee) al conferinţei 8th International Symposium on Advanced Topics in Electrical Engineering (ATEE), 2013 (ATEE 2013) IEEE Conference – Catalog Number: CFP1314P-CDR (volum conferinta idexat ISI)			10
2	Membru in comitetul stiintific de program (Conference Program Committee) al conferinţei 9th International Symposium on Advanced Topics in Electrical Engineering (ATEE), 2015 (ATEE 2015) IEEE Conference – Catalog Number: CFP1514P-ART (volum conferinta idexat ISI)			10
3	Membru in comitetul stiintific de program 10th International Symposium on Advanced Topics in Electrical Engineering (ATEE), Bucharest, 2017 ISBN:978-1-5090-5160-1, ISSN: 1843-8571 (IEEE Catalog Number: CFP1714P-POD), (volum conferinta idexat ISI)			10
				30
	C.		Nr recenzii	Puncte
1	12 recenzii ale unor articole propuse revistei Revue Roumaine des Sciences Techniques – Série Electrotechnique et Energétique, Editura Academiei Române, ISSN 0035-4066 (cotata ISI IF 2018: 1.114)		12	120
2	16 recenzii ale unor articole propuse revistei Electric Power Components and Systems, Print ISSN: 1532-5008 Online ISSN: 1532-5016, ISI, Impact Factor: 2017. 1.144 - Manuscripts: UEMP-2018-0689, UEMP-2018-0737, UEMP-2018-0653, UEMP-2018-0528, UEMP-2018-0459, UEMP-2018-0257, UEMP-2017-1007, UEMP-2017-1011, UEMP-2017-0852, UEMP-2017-0893, UEMP-2017-0739, UEMP-2017-0360, UEMP-2017-0088, UEMP-2016-0671, UEMP-2016-0268, UEMP-2015-0423		16	160
3	9 recenzii ale unor articole propuse revistei International Transactions on Electrical Energy Systems, ISSN: 2050-7038, ISI, Impact factor (2017):1.619- Manuscripts: ETEP-16-0802, ETEP-16-0372, ETEP-16-0085, ETEP-15-0876, ETEP-15-1074, ETEP-15-0144, ETEP-14-0872, ETEP-14-0347, ETEP-13-0447		9	90
4	6 recenzii ale unor articole propuse revistei IET Generation, Transmission & Distribution, Online ISSN 1751-8695, Print ISSN 1751-8687, ISI, IF (2017):2.618 - Manuscripts: GTD-2017-1272, GTD-2017-0202, GTD-2016-2129, GTD-2016-0179, GTD-2015-1481, GTD-2015-0646		6	60
5	1 recenzii ale unor articole propuse revistei IET Electric Power Applications, Online ISSN 1751-8679, Print ISSN 1751-8660, ISI, IF (2017):2.211, Manuscript: PEL-2018-5126		1	10
6	21 recenzii ale unor articole propuse revistei Progress In Electromagnetics Research (PIER), ISSN 1070-4698 (print), 1559-8985 (web), ISI, IF (2015): 1.315. Manuscripts: 18121003, 18102707, 18062509, 18041005, 17102303, 17092702, 17091304, 17080305, 17072504, 17080305, 17072504, 17031908, 17021002, 17020701, 16111503, 16100801, 14032407, 13092404, 13082705, 13032205, 12121115.		21	210
7	15 recenzii ale unor articole propuse revisteiScientific Bulletin University Politehnica of Bucharest, Series C: Electrical Engineering and Computer Science, ISSN (print): 2286-3540 (online): 2286-3559, (ISI din 2016) Reviewer no. 179 Manuscripts: 4099, 4197, 4582, 5233, 5380, 6053, 6590, 6646, 6697, 6769, 6784, 6799, 7215, 7404, 7806.		15	150
8	1 recenzie Advanced in Electrical and Electronic Engineering, ISSN 1336-1376 (Print), ISI din 2017, manuscript: no. 2094.		1	10
9	3 recenzie la Energies, ISSN 1996-1073, Impact Factor: 2.676 (2017) Manuscripts: energies-410249, energies-402121, energies-308261		3	30
10	3 recenzie la Materials, ISSN ISSN 1996-1944, Impact Factor: 2.467 (2017) Manusripts: materials-384795, materials-365934, materials-342072		3	30
11	2 recenzii la Electronics Letters, Online ISSN 1350-911X, Print ISSN 0013-5194, IF (2017): 1.232 manuscripts: ELL-2018-0709, ELL-2018-1027		2	20
12	1 recenzie la IET Power Electronics, Online ISSN 1755-4543, Print ISSN 1755-4535, IF (2017): 2.267, Manuscript EPA-2016-0190		1	10
13	4 recenzii International Journal of Electrical Power & Energy Systems, ISSN: 0142-0615, Impact Factor (2017): 3.610 Manuscripts: IJEPES_2017_2767, IJEPES_2018_2493, IJEPES_2018_3455, IJEPES_2018_809		4	40
14	1 recenzii IETE Journal of Research Journal ISSN: 0377-2063, 2015 Impact Factor : 0.284, Manuscript: TIJR-2015-1315		1	10
15	6 recenzii IEEE Transactions on Industrial Electronics, ISSN: 0278-0046, ISI, IF (2017): 7,168 Manuscrips: 17-TIE-3514, 17-TIE-3323, 17-TIE-2827, 17-TIE-1107, 17-TIE-0710, 16-TIE-3573		6	60
15	3 recenzii IEEE Transactions on Power Delivery, ISSN: 0885-8977, ISI, IF (2017) 3,218, Manuscripts: TPWRD-01280-2018, TPWRD-00225-2018, TPWRD-01259-2017		3	30
17	2 recenzii IEEE Transactions on Magnetics ISSN 0018-9464 (revista cotata ISI, IF 2017: 1.243) - Manuscripts: TMAG-12-04-0243, TMAG-17-10-0715.		2	20
18	6 recenzii ale unor articole propuse conferinţei 10th International Symposium on Advanced Topics in Electrical Engineering (ATEE), Bucharest, 2017 ISBN:978-1-5090-5160-1, ISSN: 1843-8571 (IEEE Catalog Number: CFP1714P-POD), (volum conferinta idexat ISI)		6	60
19	5 recenzii ale unor articole propuse conferinţei 7th International Symposium on Advanced Topics in Electrical Engineering, 2011 (ATEE 2011), IEEE Conference Catalog Number CFP1114P-CDR (volum conferinta indexat ISI)		5	50
20	11 recenzii ale unor articole propuse conferinţei 8th International Symposium on Advanced Topics in Electrical Engineering (ATEE), 2015 (ATEE 2015) IEEE Catalog Number CFP1514P-ARTISBN 978-1-4799-7514-3 (volum conferinta indexat ISI)		11	110
21	13 recenzii ale unor articole propuse conferinţei 8th International Symposium on Advanced Topics in Electrical Engineering (ATEE), 2013 (ATEE 2013) IEEE Conference – Catalog Number: CFP1314P-CDR (volum conferinta indexat ISI)		13	130
22	6 recenzii ale unor articole propuse conferinţei 2nd International Symposium on Fundamentals of Electrical Engineering, ISFEE 2016, 30th June -1st July 2016, Bucharest,ISBN 978-1-4673-9575-5. Indexări ISI IEEE Xplore: IEEE Catalog Number CFP1693Y-ART		6	60

23	9 recenzii ale unor articole propuse conferinței 1st International Symposium on Fundamentals of Electrical Engineering, ISFEE 2014, ISBN: 978-1-4799-6821-3, 28 - 29 Nov 2014 IEEE Catalog Number: IEEE Cat. Number:CFP1493Y-ART (volum conferinta indexat ISI)		9	90
				1560
	Total 3.4.1.			1600
	3.4.2. BDI			
	A.			Puncte
1	Membru in Comitetul stiintific al revistei The Scientific Bulletin of Electrical Engineering Faculty, Categoria CNCSIS B+, cod CNCSIS 830, ISSN 1843-6188 (BDI: IndexCopernicus ICV 2013: 5.27)			6
2	Membru in comitetul stiintific al Journal of Electrical Engineering, Electronics, Control and Computer Science, ISSN: 2457-7812 BDI: Index Copernicus (ICV=55.89)			6
				12
	B.			Puncte
				0

	C.		Nr recenzii	Puncte
1	20 Recenzii articole propuse revistei The Scientific Bulletin of Electrical Engineering Faculty, ISSN:1843-6188 **(BDI: IndexCopernicus, ICV 2013: 5.27)**		20	100
2	6 recenzii Analele universitatii din Craiova seria Electrotehnica ISSN 1842-4805 **(BDI: Index copernicus ICV 2016: 61.86)** Manuscripts: 58/2018, 59/2018, 22/2017, 146/2016, 123/2016, 46/2015.		6	30
3	2 recenzii la revista Actuators, ISSN 2076-0825, **BDI: SCOPUS, INSPEC** Manuscripts: actuators-323354, actuators-281379		2	10
				140
	Total 3.3.2.			152
	3.4.3. Naţionale şi internaţionale neindexate			
	A.			**Puncte**
1	Membru in comitetul stiintific al Journal of Energy and Power Engineering (ISSN:1934-8975)			3
				3
	B.			**Puncte**
1	3rd Edition of International Scientific Conference on Innovation and Sustainability- Sustainable Innovative Solutions, 27-28 October 2017, Bucharest – Romania, ISSN 2501-6695, ISSN-L 2501-6695.			3
2	The 2nd Edition of International Scientific Conference on Innovation and Sustainability- Sustainable innovative solutions, 28-29 October 2016, Bucharest – Romania, pp. 41-46, ISSN 2501-6695, ISSN-L 2501-6695.			3
3	Membru in Comitetul de organizare al SNET'07 (Simpozionul Naţional de Electrotehnică Teoretică),12-14 Oct 2007, UPB, Bucureşti, România			3
4	Membru in Comitetul de organizare al SNET'08 (Simpozionul Naţional de Electrotehnică Teoretică), 5-7 Iunie 2008, UPB, Bucureşti, România			3
				12
	C.			**Puncte**
	9 recenzii Journal of Energy and Power Engineering (ISSN:1934-8975)			27
				27
	Total 3.4.2.			42
	Total 3.4.			1794.00
	3.5. Referent in comisii de doctorat			
	3.5.1. Referent în comisii de doctorat internaţionale			**Puncte**
	Total 3.5.1.			0.00
	3.5.2. Referent în comisii doctorat naţionale			**Puncte**
1	"Contribuţii la acţionarea electrică a liniilor de fabricaţie flexibilă şi a roboţilor integraţi", ing. Adriana FILIPESCU, numit in comisie doctorat prin **Ordinul nr. 175 din 02.02.2017 al Senatului Universităţii „DUNĂREA DE JOS" din Galaţi**			5
2	"Modelarea numerică a unui controler folosind conceptele inteligenţei artificiale în vederea implementării pe sistemele BMS", elaborată de dl. ing. Florin-Adrian HEBEAN, numit prin **Ordinul nr. 13395 din 12.12.2017 al Senatului Universităţii Tehnice de Construcţii din Bucureşti**			5
	"Cercetări privind testarea şi simularea emisiilor produse de semnalele electrice de banda îngustă", elaborată de dl. ing. Marius VOINEA numit prin **Ordinul rectorului 307 din 13.11.2018 al Senatului Universităţii POLITEHNICA Bucuresti**			5
	Total 3.5.2.			15.00
	Total 3.5.			15.00

	3.6. Premii			
	3.6.1. Premii - Academia Română			**Puncte**
	Total 3.6.1.			**0.00**
	3.6.2. Premii - ASA, AOSR, academii de ramură şi CNCS			**Puncte**
				0
	Total 3.6.2.			**0.00**
	3.6.3. Premii - Internaţionale			**Puncte**
	Total 3.6.3.			**0.00**
	3.6.4. Premii - Naţionale în domeniu			**Puncte**
1	Premiul IN TEMPORE OPPORTUNO pe anul 2005, acordat de Universitatea Politehnica Bucureşti tinerelor cadre didactice şi cercetători			**5**
2	Premiere articole ISI de catre CNCSIS (2007-2009) - 5 articole cotate WOS (ISI) publicate in reviste premiate			**25**
	Total 3.6.4.			**30.00**
	Total 3.6.			**30.00**
	3.7. Membru în academii, organizaţii, asociaţii profesionale de prestigiu, naţionale şi internaţionale, apartenenţă la organizaţii din domeniul educaţiei şi cercetării			
	3.7.1. Academia Română			
	Total 3.7.1.			**0.00**
	3.7.2. ASAS, AOSR şi academii de ramură			
	Total 3.7.2.			**0.00**
	3.7.3. Conducere asociaţii profesionale			
	3.7.3.1. Internaţionale			**Pcte**
1	Membru IEEE			**5**
	Total 3.7.3.1.			**5.00**
	3.7.3.2. Naţionale			**Pcte**
	Total 3.7.3.2.			**0.00**
	Total 3.7.3.			**5.00**
	3.7.4. Asociaţii profesionale			
	3.7.4.1. Internaţionale			**Pcte**
	Total 3.7.4.1.			**0.00**
	3.7.4.2. Naţionale			**Pcte**
1	Membru in Asociaţia Inginerilor Electricieni şi Electronişti din România - AIEER (din anul 2003)			2
2	Membru in Asociatia generala a inginerilor din romania AGIR (din anul 2014)			2
3	Membru al Societatii Expertilor Tehnici Extrajudiciari si Consultanti din Romania -SETEC (din 2015)			2
	Total 3.7.4.2.			**6.00**
	Total 3.7.4.			**6.00**
	3.7.5. Comisii şi organizaţii în domeniul educaţiei şi cercetării			
	3.7.5.1. Conducere			**Pcte**
	Total 3.7.5.1.			**0.00**
	3.7.5.2. Naţionale			**Pcte**
				0
	Total 3.7.5.2.			**0.00**
	Total 3.7.5.			**0.00**
	Total 3.7			**11.00**
	A3. Total puncte recunoaşterea impactului activităţii (minim 120)			**2023.88**
	TOTAL (minim 600)			**3412.81**