

**UNIVERSITATEA POLITEHNICA DIN
BUCURESTI**

**FISA DE VERIFICARE A INDEPLINIRII
STANDARDELOR DE ABILITARE
[PROFESOR]**

CANDIDAT : Conf.dr.ing. STANCU CRISTINA

Conditii	Indeplinire conditii	
A. Doctor	1. Diploma de Doctor in domeniul <i>Inginerie electrica</i> , din 19.11.2008 emisa de Universitatea Politehnica din Bucuresti. 2. Diploma de Doctor in domeniul <i>Composants et systèmes</i> , din 18.11.2008, emisa de Universitatea Montpellier II, Franta.	
B. Indeplinirea standardelor minime nationale conform OMENCS nr. 6129/20.12.2016	Standarde indeplinite, conform Comisiei CNATDCU Nr. 9, Inginerie Electrica . Anexata: Fisa de calcul si de sustinere a indeplinirii standardelor minime specific domeniului, in acord cu realizarile mentionate	
Conditii minimale [Punctaj]	Minim prevazut	Realizat
A1. Activitatea didactica/profesionala (A1)	120	276.92
A2. Activitatea de cercetare (A2)	360	478.86
A3. Recunoasterea si impactul activitatii (A3)	120	522.16
TOTAL(A)	600	1277.94
Conditii minimale obligatorii pe subcategorii [Numar]	Minim prevazut	Realizat
A.1.1.1. Carti cu ISBN/capitole ca autor	4	6 (din care 2 ca prim autor)
A.1.2.1. Suport de curs inclusiv electronic	2 (din care 1 ca prim autor)	3 (3 ca prim autor)
A.1.2.2. Indrumare de laborator / aplicatii	2 (din care 1 ca prim autor)	3 (din care 2 ca prim autor)
A.2.1 Articole in extensor in reviste cotate WOS Thomson Reuters, in volume proceedings indexate WOS Thomson Reuters si brevete de inventie indexate WOSDerwent*	10 (din care 4 ca prim autor si 4 in reviste cotate WOS)	30 (din care 16 ca prim autor si 7 in reviste cotate WOS)
A.2.2. Articole in reviste si volumele unor manifestari stiintifice indexate in alte baze de date internationale (BDI)**	20 (din care 5 in reviste)	21 (12 reviste BDI si 9 volume BDI)
A.2.4. Granturi/proiecte castigate prin competitie nationala/internationala	2	3
A.3.1. Citari in revistele WOS si volumele conferintelor WOS	10	50
A. 3.2. Citari in revistele BDI si volumele conferintelor BDI	20	28
C. Atestarea studiilor (diploma + Foi Matricole) si a altor realizari profesionale	Diploma de Licenta in domeniul <i>Electrotehnica</i> Seria C, Nr. 0014309, sesiunea iunie 2002, emisa de Universitatea Politehnica Bucuresti Diploma de Master , Specializarea <i>Magnetism Tehnic si Aplicat</i> , seria I, Nr. 0001060, sesiunea ianuarie 2013, emisa de Universitatea Politehnica Bucuresti	

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

** (3) Bazele de date internationale (BDI) luate in considerare pentru articolele publicate in reviste si in volumele unor manifestari stiintifice, cu exceptia articolelor publicate in reviste/proceedings cotate WOS, sunt cele recunoscute pe plan stiintific international: Scopus, IEEE Xplore, Elsevier Science Direct, Engineering Village, Compendex, INSPEC, Springerlink, Cabi, EBSCO, CSA ILLUMINA/PROQUEST, Index Copernicus si Ulrich's. Subsemnata STANCU Cristina, candidat pentru obtinerea calitatii de conducator de doctorat din domeniul de Studii universitare de doctorat Inginerie electrica, arondat comisiei de specialitate CNATDCU Nr. 9, Inginerie electrica (OMENCS Nr. 6129/20.12.2016-MO 1, 123/15.02.2017) declar pe propria raspundere, cunoscand prevederile art. 292 privind falsul in declaratii, din Legea 286/2009 - Codul penal, ca cele declarate mai sus sunt veridice.

Data
07.03.2021

Conf. dr. ing. Cristina STANCU

**ANEXA DE CALCUL, Conform ordinului OMENCS Nr.
6129/20.12.2016**

Conf.dr.ing.STANCU CRISTINA – Facultatea de Inginerie electrica, Departamentul de Masini, Materiale si Actionari electrice

A1. Activitatea didactica si profesionala (A1)			
1.1. Carti si capitole in carti de specialitate			
1.1.1. Carti cu ISBN-/capitol ca autor didactice sau monografii (minim 4)	Nr.pag.	Nr.autori	Pcte
1.1.1.1. Internationale			
P.V. Notingher, L.M. Dumitran, C. Stancu , M. Stergios, titlul carte "Selected Topics in Applied Electrotechnics", titlu capitol "New materials for electrical equipments", editori Mircea Covrig, Ganatsios Stergios, Editura IWN, Atena, ISBN 978-960-508-052-5, pp. 73 – 144 (72 pag), 2012.	72	4	9
C. Stancu , titlul carte "Methodes d'estimation de l'état de vieillissement des cables d'énergie", Editions Universitaire Europeennes, ISSN 978-618-8-39834-9, pp. 1-254 (254 pag), 2018.	254	1	127
Ilona Plesa, Petru V. Notingher, Cristina Stancu , Frank Wiesbrock, Sandra Schlögl, titlu carte „Nanoparticle-Reinforced Polymers”, titlu capitol „Polyethylene Nanocomposites for Power Cable Insulations”, editor Ana Maria Diez Pascual, Editura MDPI, Basel, ISBN 978-3-03921-284-2, pp. 216-276 (61 pag), 2019.	61	5	6.1
Petru Notingher, Cristina Stancu , Ilona Plesa, titlu carte „Crosslinkable Polyethylene Based Blends and Nanocomposites”, titlu capitol „Failure mechanisms in XLPE cables”, editori Thomas Jince, Thomas Sabu, Ahmad Zakiah, Editura Springer, ISSN 978-981-16-0486-7, pp. 1-55 (55 pag), 2021.	55	3	9.16
Petru Notingher, Cristina Stancu , Ilona Plesa, titlu carte „Crosslinkable Polyethylene”, titlu capitol „Electrical insulation: XLPE versus conventional materials”, editori Thomas Jince, Thomas Sabu, Ahmad Zakiah, Editura Springer, ISSN 978-981-16-0514-7, pp. 1-67 (67 pag), 2021.	67	3	11.16
Total 1.1.1.1.			162.42
1.1.1.2. Nationale			
C. Stancu , P.V. Notingher, titlu carte „Solicitarile electrice ale izolatiilor cablurilor de medie tensiune”, Editura Printech, Bucuresti, ISBN 978-606-521-876-5, pp. 1-218 (218 pag), 2012.	218	2	21.8
Total 1.1.1.2.			21.8
Total 1.1.1.			184.22
1.1.2. Carti/capitole de carti ca editor/coordonator			
	Nr.pag.	Nr.autori	Pcte
1.1.2.1. Internationale			
Nu este cazul			
Total 1.1.2.1.			0
1.1.2.2. Nationale			
Nu este cazul			
Total 1.1.2.2.			0
Total 1.1.2.			0
TOTAL 1.1.			184.22

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
C. Stancu , "Modele numerice in simularea sistemelor electrice", Politehnica Press, Bucuresti, ISBN 978-606-515-678-2016, pp. 1-230 (230 pag), 2016.	230	1	23
C. Stancu , "Metode si procedee tehnologice", Support curs in format electronic (251 slide-uri ppt.) disponibil pe Moodle la adresa https://electro.curs.pub.ro/2019/mod/book/edit.php?cmid=3569 , 2020.	251	1	25.1
C. Stancu , "Materiaux du Genie electrique", Editura MatrixRom, Bucuresti, ISBN 9786062505776, pp. 1-188 (188 pag), 2020.	188	1	18.8
Total 1.2.1.			66.9

1.2.2. Indrumare de laborator/aplicatii (minim 2 din care 1 ca prim autor)	Nr.pag.	Nr.autori	Pcte
L.M. Dumitran, C. Stancu , "Sisteme de izolare. Lucrari practice si aplicatii numerice", Editura MatrixRom, Bucuresti, ISBN978-606-25-0101-3, pp.1-126 (126 pag), 2014.	126	2	3.15
C. Stancu , „Indrumar de laborator de materiale electrotehnice”, Editura MatrixRom, ISBN 9786062504427, Bucuresti, pp. 1-113 (113 pag), 2018.	113	1	5.65
C. Stancu , „Modele numerice in simularea sistemelor electrice. Aplicatii”, format electronic, disponibil pe Moodle accesibil la adresa https://electro.curs.pub.ro/2019/mod/folder/view.php?id=4199&forceview=1	140	1	7
Total 1.2.2.			15.8
TOTAL 1.2.			82.7

1.3. Coordonare programe de studii, organizare si programe de formare continua si proiecte educationale (ERASMUS etc.)	Pcte.
1. Responsabil Proiect ERASMUS Facultatea de Inginerie Electrica (UPB)-Universitea Tehnica din Praga (CVUT) (Cehia)-incepand cu data de 12 februarie 2014	10
TOTAL 1.3.	10

TOTAL A1 (minim 120 puncte)	276.92
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A2. Activitatea de cercetare (A2)			
2.1. Articole in extenso in reviste cotate si in volume proceedings indexate ISI Thomson-Reuters*, brevete de inventie (minim 10 articole din care minimum 4 ca prim autor si minim 4 in reviste)			
2.1.1. Articole in extenso în reviste cotate WOS Thomson-Reuters (1) (s-a considerat FI corespunzator anului in care s-a publicat articolul)	FI	Nr. Autori	Pcte
C. Stancu , M. Horak, P. Notingher, K. Dusek, P.Mach, P. Vesely, R. Setnescu, M. Lungulescu, "Thermal Lifetime Calculation of Capacitors Insulation using the Activation Energy Method", IEEE Trans. on Components, Packaging and Manufacturing Technology, Vol. 10, No. 10, ISSN 2156-3985, WOS:000576421400008, pp. 1647-1656 (10 pag), 2020.	1.889	8	7.84
Lucian Taranu, Petru V. Notingher, Cristina Stancu , Accumulation and Effects of Space Charge in Direct Current Cable Joints, Part I: Model and Methods for space charge density Computation, Revue Roumaine des Sciences Techniques, No. 2, ISSN 0035-4066, WOS:000479328200003, pp. 113-118 (6 pag), 2019.	0.760	3	13.40
Lucian Taranu, Petru V. Notingher, Cristina Stancu , Accumulation and Effects of Space Charge in Direct Current Cable Joints, PART II: Space charge Density and Electric field determination, Revue Roumaine des Sciences Techniques, Vol. 64, No. 2, ISSN 0035-4066, WOS:000479328200004, pp. 119-124 (6 pag), 2019.	0.760	3	13.40
Lucian Viorel Taranu, Petru Notingher, Cristina Stancu , Dependence of Electrical Conductivity of Ethylenepropylene Rubber on Electric Field and Temperature, Rev. Roum. Sci. Techn.- Électrotechn. et Énerg. Vol. 63, No. 3, ISSN 0035-4066, WOS:000454752800001, pp. 243-248 (6 pag), 2018.	0.763	3	13.42
K. Dusek, C. Stancu , P. Notingher, P. Mach, M. Placek, "Experimental and numerical analysis of melting and solidification of SnAgCu joints", IEEE Components, Packaging and Manufacturing Technology, Vol. 6, No. 9, ISSN 2156-3985, WOS: 000384647200016, pp. 1445-1455 (11 pag), 2016.	1.581	5	11.32
C. Stancu , P. V. Notingher, P. Notingher jr., M. Lungulescu, „Space Charge and Electric Field in Thermally Aged Multilayer Joints Model”, Vol. 23, No. 2, pp.633-644, IEEE Transactions on Dielectrics and Electrical Insulation, Vol. 23, No. 2, ISSN 1070-9878, WOS:000377461500004, pp. 633-644 (12 pag), 2016.	2.115	4	16.82
C. Stancu , P.V. Notingher, D. Panaitescu, V. Marinescu, „Electrical properties of polyethylene composites with low content of neodymium”, Polymer-Plastics Technology and Engineering, Vol. 54, No. 11, ISSN 1525-6111, WOS:000361918400001, pp. 1135-1143 (9 pag), 2015.	1.511	4	13.80
C. Stancu , P. V. Notingher, P. Notingher jr, „Computation of the Electric Field in Aged Underground Medium Voltage Cable Insulation”, IEEE Transactions on Dielectrics and Electrical Insulation, Vol. 20, No. 5, ISSN 1070-9878, WOS:000326120200009, pp. 1530-1539 (10 pag), 2013.	1.360	3	17.40

C. Stancu , P.V. Notingher, P. Notingher jr., "Influence of space charge related to water trees on the breakdown voltage of power cable insulation", Journal of Electrostatics, Vol. 71, No. 2, ISSN 0304-3886, WOS: 000316979200009, pp. 145-154 (10 pag), 2013.	1.000	3	15.00
Petru. V. Notingher, Cristina Stancu , Ionut Enescu, „Electrical conductivity of wood-polymer composites”, Materiale Plastice, Vol. 48, No. 2, ISSN 0025-5289, WOS: 000292630200011, pp. 170-175 (6 pag), 2011.	0.387	3	10.91
Petru V. Notingher, Cristina Stancu , Ionut Enescu, Adrian Enescu, "Dielectric Properties of Wood-Polymer Composites", Materiale Plastice, Vol. 47, No. 4, ISSN 0025-5289, WOS: 000291134000001, pp. 393-398 (6 pag), 2010.	0	4	6.25
C. Stancu , P. V. Notingher, C. Stoica, M. Plopeanu, P. Notingher jr. „Influence of Dimensions and Density of Water Trees on Residual Electric Field in Polymeric Power Cables Insulations”, Revue Roumaine des Sciences Techniques, Vol. 55, No. 3, ISSN 0035-4066, WOS: 000283001600010, pp. 289-299 (11 pag), 2010.	0.057	5	5.22
C. Stancu , P.V. Notingher, P. Notingher jr., M. Plopeanu, "Computation of electric field corresponding to space charge in water-treed over cable insulation", Przegląd Elektrotechniczny, Vol. 86, No. 5, WOS 000277259500024, pp. 114-118, 2010.	0.242	4	7.46
C. Stancu , P.V. Notingher, F. Ciuprina, P. Notingher jr, S. Agnel, J. Castellon, A. Toureille, "Computation of the Electric Field in Cable Insulation in the Presence of Water Trees and Space Charge", IEEE Transactions on Industry Applications, Vol. 45, No. 1, ISSN 00939994, WOS: 000262817000005, pp. 30-43 (14 pag), 2009.	1.298	7	7.28
P.V.Notingher, C. Stancu , L.M.Dumitran, P.P.Notingher, A.Rakowska, K. Siodla, „Influenta Starii de Imbatranire a Sistemelor de Izolatie Asupra Curentilor de Absorbție/Resorbție”, Revue Roumaine des Sciences Techniques, Vol. 53, No. 2, SSN 0035-4066, WOS: 000257350500004, pp.163 – 177 (15 pag), 2008.	0	6	4.16
Total 2.1.1.			163.68

2.1.2. Article in extenso in volume proceedings indexate WOS Thomson-Reuters	Nr. Autori	Pcte
Cristina Stancu , Petru Notingher, Lucian Taranu, Influence of the electric field and temperature on space charge in DC cable joints, 11th International Symposium on Advanced Topics in Electrical Engineering (ATEE), ISSN 1843-8571, WOS:000475904500041, pp. 1-6 (6 pag), 2019.	3	6.66
L. V. Taranu, P. V. Notingher, C. Stancu , Concerning the separation of space charge at the DC cable joints interfaces, Int. Symposium on Fundamentals of Electrical Engineering, ISSN 0035-4066, WOS: 000480396400048, pp. 1-6 (6 pag), 2019.	3	6.66
Cristina Stancu , Petru V. Notingher, Lucian Taranu, Adelina Cernat, Alexandra Constantin, „Thermal and Electrical Stresses Effect on the XLPEPR DC Cable Joints Insulations”, the 10th International Symposium on Advanced Topics in Electrical Engineering, ISSN 1843- 8571, WOS:000403399400085, pp. 434-439 (7 pag), 73 – 144, 2017.	5	4
M. Placek, K. Dusek, D. Busek, C. Stancu , „Temperature Distribution During the Phase Change in the Volume of the Solder Alloy”, 39 th International Spring Seminar on Electronics Technology, ISSN 21612528, WOS:000387089800044, pp. 222-225 (4 pag), 2016.	4	5
Cristina Stancu , Petru V. Notingher, Laurentiu Marius Dumitran, Lucian Taranu, Alexandra Constantin, Adelina Cernat, "Electric Field Distribution in Dual Dielectric DC Cable Joints", Proc. of IEEE International Conference on Dielectrics, ISSN 1558-4402, WOS:000389639800097, pp. 402-405 (4 pag), 2016.	6	3.33
C. Stancu , P.V. Notingher, L. Dumitran, L. Taranu, A. Cernat, A. Constantin, "Thermal Ageing Effect On The DC Cable Joints Insulations", International Conference on Applied and Theoretical Electricity, ISSN 2376-4163, WOS:000390767500069, pp. 1-4 (4 pag), 2016.	6	3.33
P. Mach , M. Horak, C. Stancu , "Thermal Ageing of Polypropylene Film Capacitors", 38 th International Spring Seminar on Electronics Technology, ISSN 21612528, WOS: 000374113000055, pp. 272-276 (5 pag), 2015.	3	6.66
K. Dusek, C. Stancu , P. Notingher, P. Mach, "Temperature Distribution In Solder Joints During Melting And Solidification", Proc. of 9th Int. Symposium on Advanced Topics in Electrical Engineering, ISSN 1843- 8571, WOS:000368159800095, pp.1-4 (4 pag), 2013.	4	5
Cristina Stancu , Petru V. Notingher, Valentin Ionita, Virgil Marinescu, Denis Panaitescu, "Polyethylene-based Magnetic Composites", International Conference on Applied and Theoretical Electricity, ISBN 9781467385633, WOS: 000352737400008, pp.1-7 (7 pag), 2014.	5	4

Cristina Stancu , Petru V. Notingher, Denis Panaitescu, Virgil Marinescu, "Dielectric losses in polyethylene/neodymium composites", Int. Conf. on Optimization and Electrical and Electronic Equipment, ISSN 1842-0133, WOS: 000343551300032, pp. 223-230 (9 pag), 2014.	5	4
Cristina Stancu , Monika Lingvay, Ilona Szatmari, Iosif Lingvay, „Influence of 50 Hz Electromagnetic Field on the Yeast (<i>Saccharomyces Cerevisiae</i>) Metabolism”, Proc. of 8th Int. Symposium on Advanced Topics in Electrical Engineering, ISSN 1843- 8571, WOS: 000332928500103, pp.1-4 (4 pag), 2013.	4	5
Cristina Stancu , Petru V. Notingher, Denis Panaitescu, Virgil Marinescu, "Electrical Conductivity of Polyethylene-Neodymium Composites", Proc. of 8th Int. Symposium on Advanced Topics in Electrical Engineering, ISSN 1843-8571, WOS: 000332928500112, pp. 1-6 (6 pag), 2013.	4	5
Iosif Lingvay, Cristina Stancu , Petru Budrugaec, Andrei Cucos, Carmen Lingvay, „Studies Concerning the Fast Ageing by Thermal Cycling of Power Cables”, Proc. of Advanced Topics in Electrical Engineering, ISSN 1843- 8571, WOS:000310701200074, pp. 437-440 (4 pag), 2011.	5	4
M. Plopeanu, P.V. Notingher, S. Grigorescu, C. Stancu , "Electrical Ageing of Polyethylene Power Cables Insulation Subjected to an Electric Field in the Presence of Water", Proc. of Advanced Topics in Electrical Engineering, ISSN 1843- 8571, WOS: 000310701200081, pp. 201-204 (4 pag), 2011.	4	5
Petru V. Notingher, M. Plopeanu, S. Grigorescu, C. Stancu , „The influence of water trees on permittivity and loss factor of medium voltage cables polyethylene insulation”, Proceedings of the 2010 IEEE International Conference on Solid Dielectrics, ISSN 1558-4402, WOS: 000287375600155, pp. 671-674 (4 pag), 2010.	4	5
C. Stancu , P.V. Notingher, F. Ciuprina, P. Notingher jr, S. Agnel, J. Castellon, A. Toureille, "Electric Field Computation in Water Treed Polyethylene with Space Charge Accumulation", Conference Record of The 2006 IEEE International Symposium on Electrical Insulation, ISSN 0164-2006, WOS: 000238912300046, pp.186-189 (4 pag), 2006.	7	2.85
Total 2.1.2.		75.49
TOTAL 2.1.		239.17

2.2. Articole In reviste si in volumele unor manifestari stiintifice indexate in alte baze de date internationale**) (minimum 20 din care minimum 5 in reviste)		
2.2.1. Articole in reviste indexate In alte baze de date internationale (BDI)	Nr. autori	Pcte
Maaya Bei, Petru Notingher, Cristina Stancu , „The influence of solar radiation on the lifetimes of power transformers”, Electrotehnica, Electronica, Automatica, Vol. 68, No. 1, ISSN 1582-5175, pp. 45-58 (14 pag), 2020, indexata Scopus .	3	6.66
Petru V. Notingher, Cristina Stancu , Stefan Busoi, Gabriel Tanasescu, "Determination of Lifetime Line Parameters for Power Transformer Insulation", Electrotehnica, Electronica, Automatica, Vol. 66, No. 4, ISSN 1582-5175, pp. 59-65 (7 pag), 2018, indexata Scopus .	4	5
Lucian Viorel Taranu, Petru Notingher, Cristina Stancu , „The Influence of Electric Field and Temperature on The Electrical Conductivity of Polyethylene for Power Cable Insulations”, U.P.B. Sci. Bull., Series C, Vol. 80, No. 4, ISSN 2286-3540, pp. 45-56 (12 pag), 2018, indexata Scopus .	3	6.66
C. Stancu , P.V. Notingher, V. Ionita, V. Marinescu, D. Panaitescu, "Structure and Properties of Polyethylene-Based Magnetic Composites", Annals of the University of Craiova, Electrical Engineering Series, No. 38, ISSN 1842-4805, pp. 98-106 (9 pag), 2014, indexata Copernicus .	5	4
M. Plopeanu, P. Notingher, C. Stancu , S. Grigorescu, „Underground Power Cable Insulation Electrical Lifetime Estimation Methods”, Revista Buletinul UPB, Seria C, Vol. 75, No. 1, ISSN 2286-3540, pp. 223-238 (17 pag), 2013, indexata Scopus .	4	5
C. Stancu , P.V. Notingher, „Influence of the Surface Defects on the Absorption/Resorption Currents in Polyethylene Insulations”, Revista Buletinul Politehnic, Seria B, Vol. 72, No. 2, ISSN 2286-3540, pp. 161-170 (10 pag), 2010, indexata Scopus .	2	10
Cristina Stancu , Petru V. Notingher, Mihai Plopeanu, Radu Setnescu, Adrian Mantsch, „Water Trees Influence on the Power Cables Insulation Breakdown During Operation”, Journal of Science and Arts, Vol. 12, No. 1, ISSN 1844-9581, pp. 59-66 (8 pag), 2010, indexata Proquest .	5	4
C. Stancu , P. V. Notingher, P. Notingher jr, and M. Plopeanu, "Computation of Electric Field Corresponding to Space Charge in Zater-treed Power Cable Insulation", Electrical Review, Vol. 86, No. 5, ISSN 0033-2097, WOS: 000277259500024, pp. 114-118 (5 pag), 2010, indexata Scopus .	4	5

Cristina Stancu , P. V. Notingher, P. Notingher jr, M.Plopeanu, "Water Tree Influence on Space Charge Distribution and on the Residual Electric Field in Polyethylene Insulation", Journal of Electrical and Electronics Engineering, Vol.2, No.2, ISSN 1844-6035, pp. 89-94 (6 pag), 2009, indexata Scopus .	4	5
Cristina Stancu , Petru V. Notingher, Petru Notingher jr, "Water Trees – Electrical Ageing Factor for Power Cable Insulation", Buletinul Stiintific al Univ. Politehnica din Timisoara, Seria Energetica, No. 11, ISSN 2286-3540, pp. 369-376 (8 pag), 2009, indexata Copernicus .	3	6.66
P. V. Notingher, M. Plopeanu, C. Stancu , „Electrical Treeing – A Determinant Factor of Power Cables Failure”, Revista Electrotehnica, Electronica, Automatica, Vol. 57, No. 2, ISSN 1582-5175, pp. 51-58 (8 pag), 2009, indexata Scopus .	3	6.66
P. V. Notingher, L. M. Dumitran, S.A. Busoi, C. Stancu , E. Balescu, „Estimarea starilor de imbatranire a Izolantilor pentru Masini Electrice cu ajutorul curentilor de absorbtie/resorbtie”, Revista Electrotehnica, Electronica, Automatica, Vol. 56, No.1-2, ISSN 1582-5175, pp.45-53 (9 pag), 2008, indexata Scopus .	5	4
Total 2.2.1.		68.64

2.2.2. Articole In volumele unor manifestari stiintifice indexate In alte baze de date internationale (BDI)	Nr. autori	Pcte
C. Stancu , M. Plopeanu, P. V. Notingher, S. Grigorescu, „Lifetime estimation method of polyethylene power cables insulation subjected to electric field in the presence of water”, Int. Conf. on Optimization and Electrical and Electronic Equipment, ISBN 9781424470181, pp. 143-150 (8 pag), 2012, indexata IEEE Xplore .	4	5
C. Stancu , P.V. Notingher, L.V. Badicu, “Dielectric Response Function for Nonhomogeneous Insulations”, Proc. of Int. Conference on Dielectric Insulation and Electrical Insulation, ISBN 0-7803-0565-5, pp. 97-100 (4 pag), 2011, indexata IEEE Xplore .	3	6.66
Cristina Stancu , Petru V. Notingher, Mihai Gabriel Plopeanu, “Influence of Water Trees on Breakdown Voltage of Polymeric Cables Insulations”, Journal of Science and Arts, ISSN 1313-2539, pp.101-116 (6 pag), 2010, indexata Proquest .	3	6.66
C. Stancu , P. Notingher jr., P.V. Notingher, J. Castellon, S. Agnel, A Toureille, U. Nilsson, A. Campus, D. Wald, „Water-tree and Space Charge Characterization of Polyethylene Cable Insulation ac-aged in Aqueous Environment”, Journal of optoelectronics and advanced materials – symposia, Vol. 1, No. 5, ISSN 2066 - 057X, pp. 925-931 (7 pag), 2009, indexata IEEE Xplore .	9	2.22
M. Plopeanu, C. Stancu , P.V. Notingher, „Measurement of dielectric properties of polymeric insulations of power cables”, Proceedings of 5 th International Conference Metrology&Measurement Systems, ISBN 978-606-8082-22-6, pp. 294-298 (5 pag), 2009, indexata Scopus .	3	6.66
Cristina Stancu , Petru V. Notingher, Petru Notingher jr, and Mihai Plopeanu”, „Water Concentration Influence on the Space Charge and on Electric Field in Water-Treed Cable Insulation”, International Conference of Electrochemical and Power Systems, ISBN 978-606-520-618-2, pp.500-503 (4 pag), 2009, indexata IEEE Xplore .	4	5
Notingher, P. V., Busoi, S., Dumitran, L. M., Stancu C. , Tanasescu G., “Ageing assessment of insulation systems by absorption/resorption currents”, World Academy of Science, Engineering and Technology, Vol. 3, No. 1, ISSN 1307-6892, pp. 577-583 (7 pag), 2009, indexata Scopus .	5	4
P. V. Notingher, L.M. Dumitran, C. Stancu , G. Tanasescu, S. Busoi, M. Iacob and E. Balescu, „Assessment of the state of insulation systems for large electrical machines”, Analele Universitatii din Craiova, Seria Inginerie Electrica, Vol. 2, No. 31, ISSN 1842-4805, pp.81-86 (6 pag), 2007, indexata Copernicus .	7	2.85
P. V. Notingher, L.M. Dumitran, C. Stancu , G. Tanasescu and E. Balescu, “The Ageing States Assessment for Electrical Machines Insulation Systems by Absorption/Resorption Currents”, International Conference on Electrical Engineering, ISBN 978-1-4577-0752-0, pp. 1-4 (4 pag), 2007, indexata IEEE Xplore .	5	4
Total 2.2.2.		43.05
TOTAL 2.2.		111.69

2.3. Brevete de inventie indexate in alte baze de date		Nr. autori	Puncte
2.3.1. Internationale	Nu este cazul		
2.3.2. Nationale	Nu este cazul		
TOTAL 2.3.			0

2.4. Granturi/proiecte castigate prin competitie nationala/internationala (minimum 2)		
2.4.1. Granturi/proiecte castigate prin competitie ca director/responsabil de proiect		
2.4.1.1. Granturi/proiecte internationale castigate prin competitie ca director/responsabil de proiect	Nr.ani	Pcte
Total 2.4.1.1.		0
2.4.1.2. Granturi/proiecte nationale castigate prin competitie ca director/responsabil de proiect		
Director proiect de cercetare pentru tineri doctoranzi 2005-2007, cod 43/2005, "Estimarea starii de degradare a izolatiilor cablurilor prin masurarea densitatii sarcinii spatiale", Beneficiar CNCIS, Fonduri alocate 55000 Euro, derulat prin serviciul cercetare UPB.	2	20
Director proiect de cercetare de tip postdoctoral 2010-2012, cod 129/2010, "Degradarea electrica si estimarea rezervelor de durata de viata ale izolatiilor polimere ale cablurilor", Beneficiar UEFISCDI, Fonduri alocate 80000 Euro, derulat prin serviciul cercetare ICPE-CA.	2	20
Director proiect de cercetare de tip tinere echipe 2015-2017, cod PN-II-RU-TE- 2014-4-0280, "Reducerea sarcinii spatiale in izolatiile jonctiunilor cablurilor de inalta tensiune", Beneficiar UEFISCDI, Fonduri alocate 120000 Euro, derulat prin centrul UPB-ECEE.	2	20
Total 2.4.1.2.		60
Total 2.4.1.		60

2.4.2. Granturi/proiecte castigate prin competitie nationala/internationala ca membru in echipa	Nr.ani	Pcte
2.4.2.1. Granturi/proiecte castigate prin competitie internationala ca membru in echipa		
Proiect CERN 2011-2013, "Study on the radiation ageing effects in electroinsulating materials of cables", Coordonator CERN, Fonduri alocate 90000 Euro, membru echipa cercetare.	2	8
Proiect ECONET 2005-2007, "Estimation of the ageing state and of the life reserve of polymeric insulations by non- destructive space charge measurements", Coordonator Universite Montpellier II, Fonduri alocate 89852 Euro, membru echipa cercetare.	2	8
Total 2.4.2.1.		16

2.4.2.2. Granturi castigate prin competitie nationala ca membru in echipa	Nr.ani	Pcte
Proiect PED 2020-2022, "Cablul de incalzire cu autoreglare termica pentru incalzirea locuintelor si prevenirea formarii ghetii pe suprafetele adiacente cladirilor", Coordonator ICPE CA, membru echipa cercetare.	2	4
Proiect PN II 2012-2015, "Nanofluid magnetice s fluide magnetizabile nano-micro compozite cu magnetizare ridicata: aplicatii in etansari rotitoare pentru presiuni ridicate si conditii grele de exploatare, respectiv in dispozitive magnetoreologice de control", Coordonator Centrul de Cercetari Tehnice Fundamentale si Avansate Timisoara, membru echipa cercetare.	3	6
Proiect PN II 2009-2011, "Materiale compozite cu proprietati mecanice performante", Coordonator ICPE CA, membru echipa cercetare.	3	6
Proiect Parteneriate, CNMP 2008-2011, "Metoda si instalatie de testare, diagnosticare si monitorizare a sistemelor de izolare ale transformatoarelor de putere", Coordonator UPB, membru echipa cercetare.	3	6
Proiect PN II 2007-2010, "Fabricarea unor materiale polimerice ecologice multifunctionale stabilizate cu antioxidanti polifenolici din plante", Coordonator ICPE CA, membru echipa cercetare.	3	6
Proiect CEEEX-TIZE 2006-2008, "Testarea izolatiilor masinilor de medie si mare putere", Coordonator UPB, membru echipa cercetare.	2	4

Proiect de cercetare Parteneriate 2008-2011, "Sistem de predictie si diagnoza inteligenta pentru prevenirea avariilor la cablurile de energie", Coordonator ICPE CA, membru echipa cercetare.	3	6
Grant A, 2003-2005 "Influenta sarcinii spatiale asupra strapungerii dielectricilor", Coordonator UPB, membru echipa cercetare.	2	4
Total 2.4.2.2.		42
Total 2.4.2.		58
TOTAL 2.4.		118

2.5. Contracte de cercetare/consultanta (valoare echivalenta de minimum 2.000euro)		
2.5.1. Contracte de cercetare/consultanta - responsabil		
Total 2.5.1.		0
2.5.2. Contracte de cercetare/consultanta-membru in echipa	Nr.ani	Pcte
Contract cercetare UPB-DEKRA 2018, "Analysis of the development of water trees in samples of XLPE cable insulation", membru echipa cercetare.	1	2
Contract de cercetare UPB-ADDIVANT 2014-2015, "Analiza dezvoltarii arborescentelor de apa in esantioane din XLPE cu diferiti aditivi", membru echipa cercetare.	1	2
Contract de cercetare UPB-ISOVOLTA 2003-2005, "Determinarea factorului de pierderi dielectrice tg δ si a factorului de putere sin δ ", membru echipa de cercetare.	1	2
Contract de cercetare UPB-CABLEL Thiva 2015-2016, "Analiza dezvoltarii arborescentelor de apa in esantioane din XLPE cu diferiti aditivi", membru echipa de cercetare.	2	4
Total 2.5.2.		10
TOTAL 2.5.		10

TOTAL A2 (minim 360)	478.86
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A3. Recunoasterea impactului activitatii
3.1. Citari in revistele WOS si volumele conferintelor WOS (minim 10 citari)

Articol citat	Nr. autori	Articol WOS in care s-a facut citarea	Pcte.	Articol BDI in care s-a facut citarea	Pcte.
<p>C. Stancu, P.V. Notingher, P. Notingher jr., M. Lungulescu, "Space charge and electric field in thermally aged multilayer joints model", IEEE Transactions on Dielectrics and Electrical Insulation, Vol. 23, No. 2, ISSN 1558-4135 WOS:000384239600072, pp. 633-644 (12 pag), 2016, indexata WOS Thomson-Reuters.</p>	4	<p>1. Y. Liu, H. Liu, L. Yu, Y. Li, L. Gao, "Effect of Thermal Stress on the Space Charge Distribution of 160 kV HVDC Cable Insulation Material", IEEE Transactions on Dielectrics and Electrical Insulation, Vol. 24, No. 3, pp. 1355-1364 (10 pag), 2017, ISSN 1558-4135, WOS 000405000300007, indexata WOS Thomson Reuters.</p> <p>2. J. Yu, X. Chen, H. Zhou, "Electric Field Calculation and Optimization for Stress Core of DC Cable Joint Based on the Coaxial Double-Layer Model", IEEE Transactions on Dielectrics and Electrical Insulation, Vol. 27, No. 1, pp. 33-41 (9 pag), 2020, ISSN 1558-4135, WOS 000516579400005, indexata WOS Thomson Reuters.</p> <p>3. W. Wang, S. Li, Y. Tanaka, T. Takada, "Interfacial Charge Dynamics of Cross-Linked Polyethylene/ethylene-propylene-diene Dual Dielectric Polymer as Revealed by Energy Band Structure, IEEE Transactions on Dielectrics and Electrical Insulation, Vol. 26, No. 6, pp. 1755-1762 (8 pag), 2019, ISSN 1558-4135, WOS 000502290800004, indexata WOS Thomson Reuters.</p> <p>4. Y. Kemari, A. Mekhaldi, G. Teysse, M. Tegar, "Correlation Between Structural Changes and Dielectric Behavior of Thermally Aged XLPE", IEEE Transactions on Dielectrics and Electrical Insulation, Vol. 26, No. 6, pp. 1859-1866 (8 pag), 2019, ISSN 1558-4135, WOS 000502290800017, indexata WOS Thomson Reuters</p> <p>5. D. He, F. Weng, H. Liu, Q. Li, X. Wang, "The Influence Mechanism of Semiconductive material on Space Charge Accumulation in HVDC Cable Accessory", IEEE Transactions on Dielectrics and Electrical Insulation, Vol. 26, No. 5, pp. 1479-1486 (8 pag), 2019, ISSN 1558-4135, WOS 000492443800014, indexata WOS Thomson Reuters.</p>	<p>1.25</p> <p>1.25</p> <p>1.25</p> <p>1.25</p> <p>1.25</p>	<p>Liu, H. Liu, "Influence of endurance tests on space charge distribution of 160 kV HVDC XLPE cable", Journal of Electrical Engineering and Technology, Vol. 12, No. 1, pp. 302-309 (8 pag), 2017, ISSN 2093-7423 DOI: 10.5370/JEET.2017.12.1.302, indexata Scopus.</p>	0.75

		<p>6. R. Men, Z. Lei, J. Song, Y. Li, L. Lin, M. Tian, D. Fabiani, X. Xu, "Effect of Thermal Ageing on Space Charge in Ethylene-Propylene Rubber at DC Voltage", IEEE Transactions on Dielectrics and Electrical Insulation, Vol. 26, No. 3, pp. 792-800 (9 pag), 2019, ISSN 1558-4135, WOS 000470067800017, indexata WOS Thomson Reuters.</p>	1.25	
		<p>7. M. Lungulescu, I. Lingvay, L. Ungureanu, T. Rus, A. Bors, "Thermooxidative Behavior of Some Paint Materials in Natural Ester Based Electro-Insulating Fluid", Materiale Plastice, Vol. 55, No. 2, pp. 201-206 (6 pag), 2018, ISSN 0025-5289, WOS 000444147100015, indexata WOS Thomson Reuters.</p>	1.25	
		<p>8. T. Han, B. Du, Su, "Electrical Tree Initiation and Growth in Silicone Rubber under Combined DC-Pulse Voltage", Energies, Vol. 11, No. 4, pp. 1-14 (14 pag), 2018, ISSN 1996-1073, WOS 000434703400075, indexata WOS Thomson Reuters.</p>	1.25	
		<p>9. Y. Liu, H. Liu, Y. Li, L. Gao, "Effect of Thermal Stress on the Space Charge Distribution of 160 kV HVDC Cable Insulation Material", IEEE Transactions on Dielectrics and Electrical Insulation, Vol. 24, No. 3, pp. 1355-1364 (10 pag), 2017, ISSN 1558-4135, WOS 000405000300007, indexata WOS Thomson Reuters.</p>	1.25	

<p>Ilona Plesa, Petru V. Notingher, Cristina Stancu, Frank Wiesbrock, Sandra Schlögl, "Polyethylene Nanocomposites for Power Cable Insulations", Polymers, Vol. 11, No. 24; pp. 1-61 (61 pag), 2019, ISSN 2073-4360, WOS:000457202000024, indexata WOS Thomson-Reuters.</p>	<p>5</p>	<p>1. F. Nilsson, M. Karlsson, U. Gedde, "Nanocomposites and polyethylene blends: two potentially synergistic strategies for HVDC insulation materials with ultra-low electrical conductivity", Composites Part B-Engineering", Vol. 204, pp. 1-9 (9 pag), 2021, ISSN 1879-1069, WOS 000591360400002, indexata WOS Thomson Reuters.</p> <p>2. G. Ge, Y. Tang, Y. Li, L. Huang, "Effect of Environmental Temperature on the Insulating Performance of Epoxy/MgO Nanocomposites", Applied Sciences, Vol. 10, No. 20, pp. 1-14 (14 pag), 2020, ISSN 2076-3417, WOS 000585094400001, indexata WOS Thomson Reuters..</p> <p>3. W. Alabiso, S.Schlogl, "The Impact of Vitrimers on the Industry of the Future: Chemistry, Properties and Sustainable Forward-Looking Applications", Polymers, Vol. 12, No. 8, pp. 1-30 (30 pag), 2020, ISSN 2073-4360, WOS 000567093900001, indexata WOS Thomson Reuters..</p> <p>4. D. Tan, "The search for enhanced dielectric strength of polymer-based dielectrics: A focused review on polymer nanocomposites", Journal Of Applied Polymer Science, Vol. 137, No. 133, pp. 1-32 (32 pag), 2020, ISSN 1097-4628, WOS:000534291700001, indexata WOS Thomson Reuters.</p> <p>5. Y.Zhang, X. Chen, H. Zhang, J. Liu, "Analysis on the Temperature Field and the Ampacity of XLPE Submarine HV Cable Based on Electro-Thermal-Flow Multiphysics Coupling Simulation", Polymers, Vol. 12, No.4, pp. 1-16 (16 pag), 2020, ISSN 2073-4360, WOS 000535587700222, indexata WOS Thomson Reuters.</p> <p>6. J.Chen, Y. Gao, M. Zhu, "Space charge dynamics in double-layered insulation cable under polarity reversal voltage", IEEE Transactions on Dielectrics and Electrical Insulation, Vol. 27, No. 2, pp. 622-630 (9 pag), 2020, ISSN 1070-9878, WOS 000522253600038, indexata WOS Thomson Reuters.</p>	<p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p>		
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	<p>7. X. Guo, X. Zhaoliang, S. Zhao, "Investigation of the Space Charge and DC Breakdown Behavior of XLPE/alpha-Al₂O₃ Nanocomposites", <i>Materials</i>, Vol. 13, No. 6, pp. 1-14 (14 pag), 2020, ISSN 1996-1944, WOS:000529208000072, indexata WOS Thomson Reuters.</p>	1	
	<p>8. S. Kumara, X. Xu, "Electrical Characterization of a New Crosslinked Copolymer Blend for DC Cable Insulation", <i>Energies</i>, Vol. 13, No. 6, pp. 1-15 (15 pag), 2020, ISSN 1996-1073, WOS 000528727500139, indexata WOS Thomson Reuters.</p>	1	
	<p>9. S. Holder, M. Karlsson, "Solubility and Diffusivity of Polar and Non-Polar Molecules in Polyethylene-Aluminum Oxide Nanocomposites for HVDC Applications", <i>Energies</i>, Vol.13, No. 3, pp. 1-14 (14 pag), 2020, ISSN 1996-1073, WOS 000522489000215, indexata WOS Thomson Reuters.</p>	1	
	<p>10. Y. Zhang, M. Fan, „Silicon-Containing Functionalized Polyolefin: Synthesis and Application”, <i>Progress In Chemistry</i>, Vol. 32, No. 1, pp. 84-92 (9 pag), 2020, ISSN 1005-281X, WOS 000523685700009, indexata WOS Thomson Reuters.</p>	1	
	<p>11. W. Dong, X. Wang, Z.X. Jiang, ZX, B. Tian, Y. Liu, J. Yang, W. Zhou, "Acetylated SEBS Enhanced DC Insulation Performances of Polyethylene", <i>Polymers</i>, Vol. 11, No. 6, pp. 1-14 (14 pag), 2019, ISSN 2073-4360, WOS 000473819100105, indexata WOS Thomson Reuters.</p>	1	
	<p>12. F. Jin, FL, M. Zhao, M. Park, S. Park", <i>Recent Trends of Foaming in Polymer Processing: A Review</i>", <i>Polymers</i>, Vol. 11, No. 6, pp. 1-23 (23 pag), 2019, ISSN 2073-4360, WOS 000473819100025, indexata WOS Thomson Reuters.</p>	1	
	<p>13. D. Tan, "The Search for Enhanced Dielectric Strength of Polymer-Based Dielectrics. A Focused review on Polymer Nanocomposites", <i>Journal of Applied Polymer Science</i>, Vol. 11, No. 6, pp. 1-32 (32 pag), 2020, ISSN 0021-8995, WOS 000534291700001, indexata WOS Thomson Reuters.</p>	1	

	<p>14. A.M. Diez-Pascual, "Nanoparticle Reinforced Polymers", <i>Polymers</i>, Vol. 11, No. 4, pp. 625-630 (6 pag), 2019, ISSN 2073-4360, WOS 000467312900054, indexata WOS Thomson Reuters.</p>	1	
	<p>15. Y. Zhang, X. Chen, H. Zhang, J. Liu, C. Zhang, J. Jiao, "Analysis on the Temperature Field and the Ampacity of XLPE Submarine HV Cable Based on Electro Thermal Flow Multiphysics Coupling Simulation", <i>Polymers</i>, Vol. 12, No. 4, pp. 1-16 (16 pag), 2020, ISSN 2073-4360, WOS 000535587700222, indexata WOS Thomson Reuters.</p>	1	
	<p>16. J. Chen, Y. Gao, M. Zhu, J. Li, Q. Yu, "Space Charge Dynamics in Double Layered Insulation Cable Under Polarity Reversal Voltage", <i>IEEE Transaction on Dielectrics and Electrical Insulation</i>, Vol. 27, No. 2, pp. 622-630 (9 pag), 2020, ISSN 1558-4135, WOS 000522253600038, indexata WOS Thomson Reuters.</p>	1	
	<p>17. X. Guo, Z. King, S. Zhaom Y. Cui, G. Li, Y. Wei, Q. Lei, C. Hao, "Investigation on the Space Charge and DC Breakdown Behavior of XLPE/alpha-Al2O3 Nanocomposites", <i>Materials</i>, Vol. 13, No. 6, pp. 1-14 (14 pag), 2020, ISSN 1996-1944, WOS 000529208000072, indexata WOS Thomson Reuters.</p>	1	
	<p>18. S. Kumara, X. Xu, T. Hammarstrom, Y. Quyang, A. Pourrahimi, "Electrical Characterization of a New Crosslinked Copolymer Blend for DC Cable Insulation", <i>Energies</i>, Vol. 13, No. 6, pp. 1-15 (15 pag), 2020, ISSN 1996-1073, WOS 000528727500139, indexata WOS Thomson Reuters.</p>	1	
	<p>19. S. Holder, M. Karlsson, R. Olsson, M. Hedenqyist, F. Nilsson, "Solubility and Diffusivity of Non-Polar Molecules in Polyethylene Aluminum Oxide Nanocomposites for HVDC Applications", <i>Energies</i>, Vol. 13, No. 3, pp. 1-14, (14 pag) 2020, ISSN 1996-1073, WOS0005224890000215, indexata WOS Thomson Reuters.</p>	1	

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L. Taranu, P. Notingher, C. Stancu , "Dependence of Electrical Conductivity of Ethylene propylene Rubber on Electric Field and Temperature", Revue Roumaine des Sciences Technques, Vol. 63, No. 3, pp. 243-248 (6 pag), 2018, ISSN 0035-4066, WOS 000454752800001, indexata WOS Thomson Reuters.	3	1. Y. Luo, H. Liu, B. Xiang, X. Chen, W. Yang, Z. Luo, "Temperature Dependence of the Interfacial Bonding Characteristics of Silica/Styrene Butadiene Rubber Composites: A Molecular Dynamics Simulation Study", RSC Advances, Vol. 9, No. 68, pp. 40062-40071 (10 pag), 2019, ISSN 2046-2069, WOS 000504904200055, indexata WOS Thomson Reuters.	1.66		
Karel Dusek, Cristina Stancu , Petru V. Notingher, Pavel Mach, Martin Placek, "Experimental and Numerical Analysis of Melting and Solidification of SnAgCu Joints", IEEE Transactions on Components, Packaging and Manufacturing Technology, Vol. 6, No. 9, ISSN 2156-3985, WOS 000384647200016, pp. 1445-1455 (11 pag), 2016, indexata WOS Thomson Reuters..	5	1. J. Feng, D. Xu, Y. Tian, M. Mayer, "SAC 305 Solder Reflow: Identification of Melting and Solidification Using in Process Resistance Monitoring", IEEE Transactions on Components Packaging and Manufacturing Technology, Vol. 9, No. 8, pp. 1623-1631 (9 pag), 2019, ISSN 2156-3950, WOS 000484294000020, indexata WOS Thomson-Reuters.	1		

<p>C. Stancu, P. Notingher, P. Notingher jr., "Computation of the Electric Field in Aged Underground Medium Voltage Cable Insulation", IEEE Transactions on Dielectrics and Electrical Insulation, Vol. 20, No. 5, ISSN 1558-4135, WOS 000326120200009, pp. 1530-1539 (10 pag), 2013, indexata WOS Thomson Reuters.</p>	3	<p>1. M Meziani, A. Mekhaldi, M. Tegar, "Effect of Magnitude of Space Charges on the Electric Field Distribution in XLPE Insulation in Presence of Water Trees", IEEE Conference on Electrical Insulation and Dielectric Phenomena, pp. 824-827 (4 pag), 2015, ISSN 1557-962X, WOS:000370070700163, indexata WOS Thomson Reuters.</p>	1.66	<p>1 .M. Meziani, A. Mekhaldi, M. Tegar, "Impact of Presence of Water Tree and Microcavities on the Electric Field Distribution in XLPE Insulation", 4th International Conference on Electrical Engineering, pp. 1-5 (5 pag), 2015, ISSN 00002017, WOS: 000380457200136, indexata IEEE Xplore.</p> <p>2. Meziani, A. Mekhaldi, M. Tegar, Y. Mecheri, "Impact of presence of water tree and microcavities on the electric field distribution in XLPE insulation", 4th International Conference on Electrical Engineering, pp. 1-5 (5 pag), 2015, ISSN 00002017, DOI: 10.1109/INTEE.2015.7416814, 2015, indexata IEEE Xplore.</p> <p>3. A. Nair, R. Krithika, P. Monika, R. Purnimaa, D. Kavitha, "Influence of nanofillers on resistance to water tree in XLPE nano composite.", Proceedings of IEEE International Conference on Circuit, Power and Computing Technologies, pp. 1-7 (7 pag), 2016, ISSN 00002015, DOI: 10.1109/ICCPCT.2016.7530208, indexata IEEE Xplore.</p>	1 1 1
<p>C. Stancu, P.V. Notingher, P. Notingher jr., "Influence of space charge related to water trees on the breakdown voltage of power cable insulation", Journal of Electrostatics, Vol. 71, No. 2, ISSN 0304-3886, WOS:000316979200009, pp. 145-154 (10 pag), 2013, indexata WOS Thomson Reuters.</p>	3			<p>1. Meziani, A. Mekhaldi, M. Tegar, Y. Mecheri, "Impact of presence of water tree and microcavities on the electric field distribution in XLPE insulation", 4th International Conference on Electrical Engineering, pp.1-5 (5 pag), 2015, ISSN 00002017, DOI: 10.1109/INTEE.2015.7416814, indexata IEEE Xplore.</p>	1
<p>P. V. Notingher, C. Stancu, I. Enescu, „Electrical conductivity of wood-polymer composites”, Materiale Plastice, Vol. 48, No. 2, ISSN 2668-8220, WOS:000292630200011, pp. 170-175 (6 pag), 2011, indexata WOS Thomson Reuters.</p>	3	<p>1. G. Craciun, E. Manaila, M. Stelescu, A. Vasilescu, "Characteristics of Wood Sawdust/Natural Rubber Composites Processed by Electron Beam Irradiation", Materiale Plastice, Vol. 52, No. 2, pp. 234-238 (5 pag), 2015, ISSN 2668-8220, WOS 000357767900023, indexata WOS Thomson Reuters.</p> <p>2. A. Caramitu, S. Mitrea, V. Marinescu, G. Ursan, M. Aradoaie, I. Lingvay, "Dielectric Behavior and Morphostructural Characteristics of Some HDPE Composites", Materiale Plastice, Vol. 56, No. 3, pp. 103-109 (7 pag), 2019, ISSN 2668-8220, WOS 000464604100021, indexata WOS Thomson Reuters.</p> <p>3. A. Bors, D. Lingvay, A. Caramitu, I. Iordache, I. Lingvay, "Comparative Studies on the Electrical and Mechanical Behavior of Some Soldering and/or Impregnation Lacquers", Materiale Plastice, Vol. 56, No. 1, pp. 129-132 (4 pag). 2019, ISSN 2668-8220, WOS 000464604100026, indexata WOS Thomson Reuters.</p> <p>4. L. Badicu, B. Gorgan, L. Dumitran, P. Notingher, "Assesment of Transformer Mineral Oil Condition Based on dc and ac Conductivity", IEEE Transactions on Dielectrics and Electrical Insulation, Vol. 19, No. 5, pp. 1544-1551 (8 pag), 2012, ISSN 1558-4135, WOS 000309732300012, indexata WOS Thomson Reuters.</p>	1.66 1.66 1.66		

<p>P. Notingher, C. Stancu, I. Enescu, A. Enescu, "Dielectric Properties of Wood-Polymer Composites", Materiale Plastice, Vol. 47, No. 4, ISSN 2668-8220, WOS 000291134000001, pp. 393-398 (6 pag), 2010, indexata WOS Thomson-Reuters.</p>	<p>4</p>	<p>1. N. Budrun, M. Rahman, M. Gafur, H. Kabir, M. Hoque, M. Bashar, F. Ahmed, A. Hossain, "Study of the electric properties of palm fiber-reinforced acrylonitrile butadiene styrene composites", Journal of Reinforced Plastics and Composites, Vol. 34, No. 15, pp. 1253-1260 (8 pag), 2015, ISSN 0731-6844, WOS 000358080900006, indexata WOS Thomson Reuters.</p>	<p>1.25</p>		
<p>C.Stancu, P.Notingher, F. Ciuprina, P. Notingher jr., J. Castellon, S. Agnel, A. Toureille, "Computation of the Electric Field in Cable Insulation in the Presence of Water Trees and Space Charge", IEEE Transactions on Industry Applications, Vol. 45, No. 1, ISSN 0093-9994, WOS 000262817000005, pp. 30-43 (14 pag), 2009, indexata WOS Thomson Reuters.</p>	<p>7</p>	<p>1. A. Imburgia, P. Romano, G. Chen, G. Rizzo, E. Sanseverino, F. Viola, G. Ala, "The Industrial Applicability of PEA Space Charge Measurement, for Performance Optimization of HVDC Power Cables", Energies, Vol. 12, No. 21, pp. 1-13 (13 pag), 2019, ISSN 1996-1073, WOS 000512340000165, indexata WOS Thomson Reuters..</p> <p>2. Y. Zhang, D. Liu, J. Wu, Y. Yin, "A Modified Algorithm for the Simulation of Charge Behavior in Water Tree Aged Cross-Linked Polyethylene Cable", IEEE Access, Vol. 6, pp. 23929-23938 (10 pag), 2018, ISSN 2169-3536, WOS 000432885500001, indexata WOS Thomson Reuters.</p> <p>3. S. Das, R. Majumder, S. Singh, "Cable Joint Installation Time Optimization", IEEE Transactions on Dielectrics and Electrical Insulation, Vol. 24, No. 6, pp. 3959-3965 (7 pag), 2017, ISSN 10709878, WOS 000427640200074, indexata WOS Thomson Reuters..</p> <p>4. M. Meziani, A. Mekhaldi, M. Tegar, "Effect of Space Charge Layers on the Electric Field Enhancement at the Physical Interfaces in Power Cable Insulation", IEEE Transactions on Dielectrics and Electrical Insulation, Vol. 23, No. 6, pp. 3725-3733 (9 pag), 2016, ISSN 10709878, WOS 000393094100057, indexata WOS Thomson Reuters.</p> <p>5. I. Plesa, P. Notingher, S. Schlogl, C. Sumeder, M. Muhr, "Properties of Polymer Composites in High-Voltage Applications", Polymers, Vol. 8, No. 5, pp. 1-63 (63 pag), 2016, ISSN 2073-4360, WOS 000377795200013, indexata WOS Thomson Reuters.</p> <p>6. Y. Yang, K. Liu, P. Cheng, S. Wang, X. Wang, B. Gao, Y. Fang, R. Xia, I. Ullah, "The Coupling Fields Characteristics of Cable Joints and Application in the Evaluation of Crimping Process Defects", Energies, Vol. 9, No. 11, pp. 932-950 (18 pag), 2016, ISSN 1996-1073, WOS 000388580000074, indexata WOS Thomson Reuters.</p>	<p>0.71</p> <p>0.71</p> <p>0.71</p> <p>0.71</p> <p>0.71</p> <p>0.71</p>	<p>1. M. Predus, E. Spunei, I. Piroi, "A study of failure diagnosis methods in power cables and their applications", Int. Conference on Applied and Theoretical Electricity, ISSN 2247-8639, DOI: 10.1109/ICATE.2016.7754638, pp. 1-6 (6 pag), 2016, indexata IEEE Xplore.</p> <p>2. C. Uydur, O. Arikan, O. Kalenderli, "The Effect of Insulation Defects on Electric Field Distribution of Power Cables", International Conference on High Voltage Engineering and Application, pp. 1-4 (4 pag), 2018, ISSN 2381-5043, WOS 000462278900107, indexata IEEE Xplore.</p> <p>3. K. Zhou, K. Li, M. Yang, M. Huang, Y. He, W. Tao, "Inside into the influence of mechanical orientation on water tree propagation according to abnormal water-tree morphologies", Proceedings of the Chinese Society of Electrical Engineering, Vol. 36, No. 19, pp. 5373-5381 (9 pag), ISSN 0258-8013, DOI 10.13334/j.0258-8013.pcsee.152216, 2016, indexata Scopus.</p> <p>4. A. Nair, R. Krithika, P. Monika, R. Purnimaa, D. Kavitha, "Influence of nanofillers on resistance to water tree in XLPE nano composite,", Proceedings of IEEE International Conference on Circuit, Power and Computing Technologies, pp. 1-7 (7 pag), 2016, ISSN 00002016, DOI 10.1109/ICCPCT.2016.7530208, indexata IEEE Xplore.</p> <p>5. Meziani, A. Mekhaldi, M. Tegar, Y. Mecheri, "Impact of presence of water tree and microcavities on the electric field distribution in XLPE insulation", 4th International Conference on Electrical Engineering, ICEE, pp. 1-5 (5 pag), (2015, ISSN 2329-1613, DOI 10.1109/INTEE.2015.7416814, indexata IEEE Xplore.</p> <p>6. M Meziani, A. Mekhaldi, M. Tegar, "Effect of Magnitude of Space Charges on the Electric Field Distribution in XLPE Insulation in Presence of Water Trees", IEEE Conference on Electrical Insulation and Dielectric Phenomena, pp. 824-827 (4 pag), ISSN 1557-962X, DOI 10.1109/CEIDP.2015.7352074, 2015, indexata IEEE Xplore.</p>	<p>0.42</p> <p>0.42</p> <p>0.42</p> <p>0.42</p> <p>0.42</p> <p>0.42</p>

			<p>7. Y. Gao, L. Chen, L. Zhang, S. Huang, B. Du, F. Wang, "PD characteristics in PTFE insulated tubular busbar models measured with HFCT and acoustic sensor", IEEE International Conference on Properties and Applications of Dielectric Materials pp. 736-739 (4 pag), ISSN 1081-7735 DOI 10.1109/ICPADM.2015.7295377, 2015, indexata IEEE Xplore.</p> <p>8. I. Szatmari, M. Lingvay, L. Tudosie, A. Cojocaru, I. Lingvay, "Monitoring Results of Polyethylene Insulation Degradability from Soil Buried Power Cables", Revista de Chimie, Vol. 66, No. 3, pp. 304-311 (8 pag),, 2015, ISSN 2668-8212, WOS:000352756300003, indexata Scopus.</p> <p>9. M Meziani, A. Mekhaldi, M. Tegar, "Effect of Magnitude of Space Charges on the Electric Field Distribution in XLPE Insulation in Presence of Water Trees", IEEE Conference on Electrical Insulation and Dielectric Phenomena, pp. 824-827 (4 pag),, 2015, ISSN 1557-962X, WOS:000370070700163, indexata IEEE Xplore.</p> <p>10. Y. Gao, L. Chen, L. Zhang, S. Huang, B. Du, F. Wang, "PD Characteristics in PTFE Insulated Tubular Busbar Models Measured with HFCT and Acoustic Sensor", International Conference on the Properties and Applications of Dielectric Materials, pp. 736-739 (4 pag),, 2015, ISSN 1081-7735, WOS 000380393300180, indexata IEEE Xplore.</p> <p>11. M Meziani, A. Mekhaldi, M. Tegar, "Impact of Presence of Water Tree and Microcavities on the Electric Field Distribution in XLPE Insulation", 4th International Conference on Electrical Engineering, pp. 1-5 (5 pag), 2015, ISSN 2329-1613, WOS 000380457200136, indexata IEEE Xplore.</p> <p>12. S. Dian, M. Liang, B. Lou, T. Liu, "A novel FEF method for insulation status monitoring of underground power cables", Journal of Computers, Vol. 8, No. 2, pp. 441-447 (7 pag), 2013, ISSN 1796-203X, DOI 10.4304/jcp.8.2.441-447, indexata Scopus.</p>	<p>0.42</p> <p>0.42</p> <p>0.42</p> <p>0.42</p> <p>0.42</p> <p>0.42</p>
			<p>13. I. Lingvay, I. Szatmari, M. Lingvay, L. Tudosie, "Underground power cables ageing. Case study - results of 5 year monitoring", Korrozios Figyelo, Vol. 53, No. 3, pp. 71-80 (10 pag), 2013, ISSN 01332546, WOS 000339448000002, indexata Scopus.</p> <p>14. I. Andrei, I. Vlad, F. Ciuprina, "Electric field distribution in power cable insulation affected by water trees", Conference: Advanced Topics in, 2015 9th International Symposium on Electrical Engineering, pp. 426-429 (4 pag), 2015, ISSN 00002015, WOS:000368159800080, indexata WOS Thomson Reuters.</p>	<p>0.42</p> <p>0.42</p>

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TOTAL 3.1.	65.03
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3.2. Citari in reviste si volumele conferintelor BDI (minim 20 citari)

Articol citat	Nr. autori	Articol WOS in care s-a facut citarea	Pcte.	Articol BDI in care s-a facut citarea	Pcte.
Cristina Stancu , Petru V. Notingher, Laurentiu Marius Dumitran, Lucian Taranu, Alexandra Constantin, Adelina Cernat, "Electric Field Distribution in Dual Dielectric DC Cable Joints", Proc. of IEEE International Conference on Dielectrics, pp. 402-405 (4 pag), 2016, ISSN 1558-4402, WOS 000389639800097, indexata IEEE Xplore.	6			1.S. Yoon, J. Kim, "The Effect of Pre-Stress on DC Breakdown Properties in XLPE-LSR Interfacial Model for the HVDC-XLPE Cable Joint", Internatiional Conference on Dielectrics, pp. 1-4 (4 pag), 2018, ISSN 1558-4402, WOS 000446959700168, indexata IEEE Xplore. 2. P. Muppala, C. Reddy, "Electric Fields in Multi-Layer Dielectrics under High DC Stresses in Plane-Parallel Geometry", IEEE Conference on Electrical Insulation and Dielectric Phenomena, pp. 683-686 (4 pag), 2017, ISSN 1558-4135, WOS 000428013100132, indexata IEEE Xplore	0.5 0.5
C. Stancu , P.V. Notingher, L. Dumitran, L. Taranu, A. Cernat, A. Constantin, "Thermal Ageing Effect on The DC Cable Joints Insulations", International Conference on Applied and Theoretical Electricity, pp. 1-5 (5 pag), ISSN 2376-4163, WOS:000390767500069, 2016, indexata IEEE Xplore.	6	1. R. Men, Z. Lei, J. Song, Y. Li, L. Lin, M. Tian, D. Fabiani, X. Xu, "Effect of Thermal Ageing on Space Charge in Ethylene Propylene Rubber at DC Voltage", IEEE Transactions on Dielectrics and Electrical Insulation, Vol. 26, No. 3, pp. 792-800 (9 pag), 2019, ISSN 1558-4135, WOS 000470067800017, indexata WOS Thomson Reuters.	0.83	1. S. Frobin, C. Niedik, C. Freye, F. Jenau, D. Haring, G. Schrodr, "A Generic Approach for HVDC Cable Accessories Modelling", IEEE International Conference on Dielectrics, pp. 1-6 (6 pag), 2016, ISSN 1558-4402, WOS 000446959700089, indexata IEEE Xplore.	0.5

<p>C. Stancu, P.V. Notingher, D. Panaitescu, V. Marinescu, "Electrical conductivity of polyethylene – neodymium composites", 8th International Symposium on Advanced Topics in Electrical Engineering, pp. 1-6 (6 pag), ISBN 978-1-4673-5980, WOS 000332928500112, 2013, indexata WOS Thomson Reuters.</p>	4			<p>1. B. Ghita, E. Helerea, "Qualification of polymeric compounds for electrostatic discharge protection", International Conference on Applied and Theoretical Electricity, pp. 1-6 (6 pag), 2016, ISSN 2376-4163, WOS 000390767500056, indexata IEEE Xplore.</p>	0.75
<p>C. Stancu, P.V. Notingher, F. Ciuprina, P. Notingher jr., S. Agnel, J. Castellon, A. Toureille, "Electric field computation in water treed polyethylene with space charge accumulation", IEEE International Symposium on Electrical Insulation, pp. 186-189 (4 pag), 2006, ISBN 1-4244-0333-2, WOS 000238912300046, indexata IEEE Xplore.</p>	7	<p>1. A. Imburgia, P. Romano, M. Caruso, F. Viola, R. Miceli, E. Riva, A. Madonia, G. Schettino, "Review of thermal methods for space charge measurement", Review of Scientific Instruments, Vol. 87, No. 11, ISSN 0034-6748, DOI 10.1063/1.4968029, pp. 3126-3142 (17 pag), 2016, indexata WOS Thomson Reuters.</p>	0.71	<p>1. Meziani, A. Mekhaldi, M. Tegar, Y. Mecheri, "Impact of presence of water tree and microcavities on the electric field distribution in XLPE insulation", International Conference on Electrical Engineering, pp. 1-5 (5 pag), ISBN 978-1-4577-0752-0, DOI 10.1109/INTEE.2015.7416814, 2015, indexata IEEE Xplore.</p> <p>2. M Meziani,.A. Mekhaldi, M. Tegar, "Effect of Magnitude of Space Charges on the Electric Field Distribution in XLPE Insulation in Presence of Water Trees", Conference on Electrical Insulation and Dielectric Phenomena, pp. 824-827 (4 pag), ISSN 1558-4402, DOI: 10.1109/CEIDP.2015.7352074,2015, indexata IEEE Xplore.</p>	0.42 0.42
<p>C. Stancu, P.V. Notingher, L. Badicu, "Dielectric response function in nonhomogeneous insulations", IEEE Electrical Insulation and Dielectric Phenomena, pp. 97-100 (4 pag), ISSN 0084-9162, WOS 000399725600021, 2011, indexata WOS Thomson Reuters.</p>	3			<p>1. I. Preda, J. Castellon, P. Notingher jr., M. Frechette, T. Heid, H. Couderc, N. Freebody, S. Vaughn, "Conduction currents and time to frequency domain transformation for epoxy resin nanocomposites", IEEE International Conference on Solid Dielectrics, pp. 1060-1063 (4 pag), ISSN 1558-4402, DOI: 10.1109/ICSD.2013.6619711, 2013, indexata IEEE Xplore.</p>	1
<p>C. Stancu, P.V. Notingher, "Influence of the surface defects on the absorption/resorption currents in polyethylene insulations", Buletinul Stiintific al UPB, Seria C, Vol. 72, No. 2,pp.161-170 (10 pag), 2010, indexata Scopus.</p>	2			<p>1. M. Borisova, Y. Osina, "Analysis of relaxation processes by mathematical modeling", Technical Physics Letters, Vol. 41, No. 8, pp. 717-719 (3 pag), 2015, ISSN 0031-9163, DOI 10.1134/S1063785015080052, indexata Scopus.</p>	1.5
TOTAL 3.2.					7.13
TOTAL 3.1+3.2.					72.16

3.3. Prezentari invitate In plenul unor manifestari stiintifice nationale si internationale si profesor invitat (exclusiv POS, ERASMUS)	
3.3.1. Prezentari internationale	Puncte
Total 3.3.1. Nu este cazul	0
3.3.2. Prezentari nationale	0
Total 3.3.2. Nu este cazul	0
3.3.3. Profesor invitat internationale	Puncte
1. Profesor invitat la Universitatea Tehnica din Praga-septembrie 2014-feruarie 2018	20
Total 3.3.3.	20
TOTAL 3.3.	20

3.4. Membru in colectivele de redactie sau comitete stiintifice ale revistelor si manifestarilor stiintifice, organizator de manifestari stiintifice, recenzor pentru reviste si manifestari stiintifice nationale si internationale (punctajul se acordă pentru fiecare revistă, manifestare stiintifica si recenzie)

3.4.1.A) Referent-Reviste ISI	
A1.Transaction on Dielectrics and Electrical Insulation (indexata WOS Thomson-Reuters)	Puncte
1. R. Jousot, V. Lago, "Experimental investigation of the properties of a glow discharge used", Vol. 23, No. 2, pp. 671-682 (12 pag), (2015).	10
2. T. Izutsu, D. Odaka, M. Komatsu, Y. Ohki, M. Mizuno, Y. Nakamura, N. Chiwata, "A New Method for Estimating the Content of Vinyl Acetate in Ethylene-Vinyl Acetate Copolymer", Vol. 23, No. 3, pp. 1260-1265 (6 pag), (2015).	10
3. S. Babicz, S. Ait-Amar, G. Velu, "Dielectric Characteristics of an Anodized Aluminum Strip", Vol. 23, No. 5, pp. 2970-2977 (8 pag), (2015).	10
4. S. Le Roy, G. Teysse, C. Laurent, "Modelling space charge in a cable geometry", Vol. 23, No. 4, pp. 2361-2367 (7 pag), (2015).	10
5. M. Kılıç, Yıldız, Y. Karabul, Yıldız, S., Yıldız, O. İçelli, Yıldız, "Improved Dielectric and Electrical Properties of PANI Achieved by Using Low Cost Mineral Additive", Vol. 26, No.1, pp. 300-307 (7 pag), (2018).	10
Total 3.4.1.A1	50

A2. IEEE Transactions on Plasma Science (indexata WOS Thomson-Reuters)	
Puncte	
1. V. Shatalova, A. Dubinov, "Voids of Brightness in nanosecond sliding microdischarges in narrow slot", Vol. 42, No. 10, pp. 2644-2645 (2 pag), (2013).	10
2. M. Talaat, M. A. Farahat, T. Said, "Numerical and simulation investigation for the optimal characteristics of a transverse layer of dielectric barrier in non-uniform electric field", Vol.121, No. 11, pp. 2723-2724 (2 pag), (2018).	10
Total 3.4.A2	20

A3. Energies (indexata WOS Thomson-Reuters)	Puncte
1. Zhang LI, Luo-yang XI-YUE, Yang Fan, Xia Rong, Shang Yu , Gao Bing, „A Thermal Probability Density based Method to Detect the Internal Defects of Power Cable Joints”, Vol. 11, No. 7, pp. 1-13 (13 pag), (2017).	10
Total 3.4.A3	10

A4. IEEE Access (indexata WOS Thomson-Reuters)	Puncte
1. Qian, Yong, Chen, Xiaoxin, Xu, Yongpeng, Sheng, Gehao, Jiang, Xiuchen, “Amplitude Distribution of Partial Discharge Signals on Tunnel-Installed High-Voltage Cables”, Vol. 9, No. 21, pp. 24125-24134 (10 pag), (2018).	10
2. Y. Zhang, D. Liu, J. Wu, Y. Yin, “A Modified Algorithm for the Simulation of Charge Behavior in Water Tree Aged Cross-Linked Polyethylene Cable”, Vol. 6, No.18, pp. 23929-23938 (10 pag), 2018.	10
3. B. Du, M.Tian, J. Su, T. Han, „Electrical Tree Growth Characteristics in Epoxy Resin With Harmonic Superimposed DC Voltage”, Vol. 7, No.11, pp. 47273-47281 (9 pag), 2019.	10
Total 3.4.A4	30

A5. Electronics (indexata WOS Thomson-Reuters)	Puncte
1. Guanghua Wu, Xiuju Lan, Yong Chen, Ye Zhang, Shousong Jin, Meixian Jiang, “Study on the Interfacial Residual Stress of Flip-Chip Joints Based on Anisotropic Conductive Adhesive”, Vol. 7, No. 2, pp.1-11 (11 pag), (2019).	10
Total 3.4.A5	10

A6. Materials (indexata WOS Thomson-Reuters)	Puncte
1. Y.Tian, N. Ren, Z. Zhao, F. Wu, S. Sitaraman, “Ag ₃ Sn Compounds Coarsening Behaviors in Micro-Joints”, Vol. 11, No. 12, pp. 1-12 (12 pag), 2018.	10
1. Z. Ni, F. Ye, “Microstructure and Mechanical Properties of an Ultrasonic Spot-Welded Aluminum-to-Aluminum Joint: Response to Interlayer Thickness”, Vol. 12, No. 3, pp. 1-15 (15 pag), 2019.	10
Total 3.4.A6	20
TOTAL 3.4.1A	140

3.4.1.B) Referent-Conferinta ISI	
B1. ICD (International Conference on Dielectrics) (indexata IEEE Xplore)	Puncte
1. J. Pihera, “In-situ Monitoring of Resin Curing Process Based on Interdigital Impedance Sensors”, pp. 552-555 (4 pag), ID 81097, 2016.	10
2. K. Zhou, “Toward Understanding the Characteristics of Water Tree Propagation under DC Voltages”, pp.748-751 (4 pag), ID 81799, 2016.	10
3. Q. Wang, “Computation and Analysis of the Electric Field Distribution and Voltage-Sharing Characteristics for 1000 kV Composite Tower”, pp. 1048-1051 (4 pag), ID 81329, 2016.	10
4. F. Alhabib, “The Effect of Resin/Hardener Stoichiometry on the Electrical Properties of Silicon Nitride/Epoxy Nanocomposites”, pp. 100-103 (4 pag), ID 81991, 2016.	10
5. W. Li, “Study on Insulation State of Damp Cold-shrinkable Joint of 10 kV XLPE Cable under Different Temperatures”, pp. 501-504 (4 pag), ID 84723, 2016.	10
6. E. Ernault, “Influence of thermo-oxidation on dielectric properties of epoxy/amine resins”, pp. 606-609 (4 pag), ID 85486, 2016.	10
7. K. Weitzel, “Conductivity of ultra-thin polyelectrolyte multilayer films”, pp. 434-436 (4 pag), ID 85597, 2016.	10

8. M. Mokni, "Dielectric and Thermal Properties of Parylene D at high temperature: structure instability", pp. 389-392 (4 pag), ID 86025, 2016.	10
9. M. Asif, Q. Li, X Huang, T. Liu, Z. Wang, "Effect of TiO ₂ nanoparticle contents on partial discharge characteristics and lifetime of nano-TiO ₂ composite\polyimide films", pp. 144-147 (4 pag), ID 5261489, 2018.	10
10. H. McDonald, S. Morsch, S. Rowland, "Initiation of electrical trees", ID 5288813, pp. 254-257 (4 pag), 2018.	10
11. S. ZHENG, Q. ZHANG, C. Li, "Activating PDs in silicon rubber with electric treeing by using X-ray irradiation", pp. 302-305 (4 pag), ID 5289393, 2018.	10
12. X. Wang, D. Qiang, T. Andritsh, G. Chen, A. Vaughan, "Influence of Trialkoxy and Monoalkoxy Silane on Polypropylene Aluminium Nitride Nanocomposites", pp. 401-404 (4 pag), ID 142, 2020.	10
13. L. Du, P. He, X. Chen, "Simulation Analysis of Electro-Thermal-Moisture Coupling Characteristics in OIP bushings", pp. 273-276 (4 pag), ID 221, 2020.	10
14. A. Rempe, J. Kindersberger, E. Willner, H. Dietz, „Determination of Interphase Thickness in Silicone Nanocomposites from Dielectric Properties", pp. 208-211 (4 pag), ID 364, 2020.	10
15. V. Belko, O. Emelyanov, I. Ivanov, K. Voloshin, "Modeling of metallized film capacitors segmented electrodes electrodynamic destruction", pp. 289-292 (4 pag), ID 389, 2020.	10
16. El H. Ouatah, S. Megherfi, Y. Zebboudj, "A new empirical formula of negative corona discharge current in point-plane electrode system", pp. 198-201 (4 pag), ID 396, 2020.	10
17. J. Hornak, O. Michal, P. Trnka, V. Mentlík, G. Vuity, O. Nouini, Z. Ādám Tamus, „Current and Voltage Response Measurements on Nanodielectrics", pp. 242-245 (6 pag), ID 453, 2020.	10
Total 3.4.B1	170

B2.ISH (International Symposium on High Voltage Engineering) (indexata IEEE Xplore)	Puncte
1. Lu Cheng, Xiaohong Chi, Wenfeng Liu, Shengtao Li, "Improved Compatibility And Dc Breakdown Strength Of Polypropylene/Maleic Anhydride Grafted Polypropylene/Nano-ZrO ₂ Ternary System", pp. 74-81 (8 pag), ID 695, 2019.	10
2. A. Pigni, "Guide for the Selection of Insulators in Respect of Polluted Conditions, 21st International Symposium on High Voltage Engineering", pp. 170-181 (12 pag), ID 759, 2019.	10
3. J. George, L. Du, S. Prat, "Evaluation Of Innovative Hydrophobic Surfaces For Overhead Line Insulators", 21st International Symposium on High Voltage Engineering, pp. 152-160 (9 pg), ID 963, 2019.	10
Total 3.4.B2	30

B3.ATEE (Advanced Topics in Electrical Engineering) (indexata WOS Thomson-Reuters)	Puncte
1. B. Enache, S. Grigorescu, G. Seritan, F. Argatu, F. Adochiei, L. Constantinescu, "Modelling the Discharge of a Lithium Iron Phosphate Battery at Low Temperatures", pp.1-6 (6 pag), ID 213, 2019.	10
Total 3.4.B3	10

TOTAL 3.4.1B	210
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3.4.1.C) Membru Editorial Board-Reviste ISI WOS	
Polymers	Puncte
	10

TOTAL 3.4.1C	10
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Total 3.4.1.	360
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3.4.2. Membru in comitetul stiintific in cadrul unor reviste si manifestari stiintifice nationale si internationale BDI	
A. Membru in comitete stiintifice ale unor reviste BDI	Puncte
Scientific Bulletin of UPB-Series C Electrical Engineering and Computer Science, ISSN 1454-234X.	6
International Journal of Advanced Trends in Computer Applications, ISSN 2395-3519.	6
Total 3.4.2A	12
B. Membru in comitet organizare conferinte/simpozioane neindexate	
	Puncte
Simpozionul de Masini Electrice (SME) 2015	3
Total 3.4.2B	3
Total 3.4.2.	15
3.4.3. Nationale si internationale neindexate	
Total 3.4.3.	0
TOTAL 3.4	375

3.5. Referent in comisii de doctorat	
3.5.1. Referent in comisii internationale	
1. Membru comisie teza doctorat Universitatea Tehnica din Praga, "Quality Control Methods and Tools for Improvement of Effectiveness of Manufacturing Processes", drd. Larisa TARBA, 2017.	10
2. Membru comisie teza doctorat Universitatea Tehnica din Praga, "Enhancement of the Selected Management and Planning Quality Control Tools", drd. Evghenia POVOLOTSKAYA, 2017.	10
Total 3.5.1	20

3.5.2. Referent in comisii nationale	
1. Membru comisie teza doctorat, Nr. decizie 632/29.01.2021, Universitatea Politehnica din Bucuresti, "Accumulation and Effects of Space Charge in DC Cable Joints Insulations ", drd. Lucian TARANU, 2021.	5
Total 3.5.2	5
TOTAL 3.5.	25

3.6. Premii	
3.6.1. Premii Academia Romana	
	Puncte
Total 3.6.1. Nu este cazul	0
3.6.2. Premii-ASA, AOSR, academii de ramura si CNCS	
Total 3.6.2. Nu este cazul	0
3.6.3. Premii internationale	
Total 3.6.3.	0
3.6.4. Premii nationale in domeniu	
1. C. Stancu , P. Notingher, F. Ciuprina, P. Notingher jr., S. Agnel, J. Castellon, A. Toureille, "Computation of the electric field in cable insulation in the presence of water trees and space charge", IEEE Transactions on Industry Applications, Vol. 45, No. 1, pp. 30-43 (13 pag), ISSN 00939994, WOS: 0002628170000052009, 2009.	5
2. C. Stancu , P. Notingher, P. Notingher jr., "Computation of the electric field in aged underground medium voltage cable insulation", IEEE Transactions on Dielectrics and Electrical Insulation, Vol. 20, No. 5, pp. 1530-1539 (10 pag), ISSN 1070-9878, WOS: 000326120200009, 2013.	5

3. C. Stancu , P. Notingher, P. Notingher jr., "Influence of space charge related to water trees on the breakdown voltage of power cable insulation", Vol. 71, No. 2, pp. 145-154 (10 pag), ISSN 0304-3886, WOS: 000316979200009, 2013.	5
4. K. Dusek, C. Stancu , P. Notingher, P. Mach, M. Placek, "Experimental and numerical analysis of melting and solidification of SnAgCu joints", IEEE Components, Packaging and Manufacturing Technology, Vol. 6, No. 9, pp. 1445-1455 (11 pag), ISSN 2156-3985, WOS: 000384647200016, 2016.	5
5. C. Stancu , M. Horak, P. Notingher, K. Dusek, P.Mach, P. Vesely, R. Setnescu, M. Lungulescu, "Thermal Lifetime Calculation of Capacitors Insulation using the Activation Energy Method", IEEE Trans. On Components, Packaging and Manufacturing Technology, Vol. 10, No. 10, pp. 1647-1656 (10 pag), ISSN 2156-3985, WOS: 000576421400008, 2020.	5
Total 3.6.4	25

TOTAL 3.6.	25
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3.7. Membru in academii, organizatii, asociatii profesionale de prestigiu, nationale si internationale, apartenenta la organizatii din domeniul educatiei si cercetarii	
	Puncte
3.7.1. Academia Romana	
Total 3.7.1. Nu este cazul	0
3.7.2. ASAS, AOSR si academii de ramura	
Total 3.7.2. Nu este cazul	0
3.7.3. Conducere asociatii profesionale	
3.7.3.1. Internationale	
Total 3.7.3.1. Nu este cazul	0
3.7.3.2. Nationale	
Total 3.7.3.2. Nu este cazul	0
Total 3.7.3.	0
3.7.4. Asociatii profesionale internationale	
3.7.4.1. Internationale	
1. Membru Transaction on Industry Applications, no. 96203395	5
Total 3.7.4.1.	5
3.7.4.2. Nationale	
Total 3.7.4.2. Nu este cazul	0
Total 3.7.4.	5
3.7.5. Comisii si organizatii in domeniul educatiei si cercetarii	
3.7.5.1. Conducere	
Total 3.7.5.1. Nu este cazul	0
3.7.5.2. Membru	
Total 3.7.5.2. Nu este cazul	0
TOTAL 3.7.	5
A3. Total puncte recunoasterea impactului activitatii (minim 120)	522.16
TOTAL (minim 600)	1277.94

