

Autorul tezei de abilitare: **Petre Lucian OGRUȚAN**

Titlul tezei de abilitare: **Electronica și tehnologiile informaționale în dezvoltarea unor elemente de suport pentru protecția vieții și mediului**

Domeniul: Inginerie electronică, telecomunicații și tehnologii informaționale

Fișa de verificare a îndeplinirii standardelor minime

A1 - Activitate didactică și profesională		
A1.1.2 Cărți/monografiile/capitole ca autor - naționale	Factor de impact sau echivalent	Punctaj
P. Ogruțan, Fl. Sandu, <i>Compatibilitate electromagnetica</i> , Editura Transilvania Brașov, 1999, 146 pag. ISBN 973-98796-9-1	nu	20.00
C. Gerigan, P. Ogruțan, <i>Tehnici de interfațare</i> , Ed. Transilvania Brașov, 2000, 315p., ISBN 973-9474-94-2	nu	20.00
P. Borza, C. Gerigan, P. Ogruțan, Gh. Toacșe, <i>Microcontrollere. Aplicații</i> , Editura Tehnică București, 2001, ISBN 973-31-1577-6, 220p	nu	20.00
P. Ogruțan, C. Gerigan, N. Banciu, <i>Memorii, interfețe și periferice. Interfețe specializate</i> , Ed. Transilvania Brașov, 2003, 190 pagini, ISBN 973-635-118-1	nu	20.00
P. Ogrutan, <i>Microcontrollere si controllere grafice Fujitsu</i> , Ed. Universitatii Transilvania Brasov, 2006, 182 pag, ISBN 973-635-621-3	nu	20.00
Lia Aciu, Petre Ogrutan, <i>Compatibilitate Electromagnetica: perturbatii si influente asupra mediului</i> , Editura Universitatii Transilvania Brasov 2006, 200 pag. ISBN 973-635-673-6 0	nu	20.00
P. Ogrutan, L. Aciu, <i>Compatibilitate Electromagnetica: aplicatii</i> , Editura Universitatii Transilvania Brasov 2007, 156 pag, ISBN 973-635-864-X	nu	20.00
Aurel Vlaicu, ed. Coordonator, <i>Clădiri inteligente</i> , ISBN 978-973-662-397-4, Ed. U.T. Press, Cluj Napoca, 2008, capitolul 8	nu	20.00
M. Romanca, P. Ogrutan, <i>Sisteme cu calculator incorporat. Aplicatii cu microcontrollere</i> , Editura Universitatii Transilvania Brasov, 2011, ISBN 978-973-598-861-6, 236 p	nu	20.00
P. Ogrutan, <i>Contributii la educatia studentilor la inginerie prin implicare</i> , Ed. Mediamira Cluj-Napoca, 2014, ISBN 978-973-713-311-3, 159 p	nu	20.00
P. Ogrutan, <i>Interfațare si protocoale la nivelul fizic si nivelul legaturii de date</i> , Ed. Universitatii Transilvania Brasov, ISBN 978-606-19-0515-7, 2015, 169 p., multimedia, suport optic	nu	20.00
P. Ogruțan, <i>Calculatoare electronice</i> , Editura Universității Transilvania din Brașov, 2016, ISBN 978-606-19-0757-1, 269 p	nu	20.00
A1.2.1 Material didactic / lucrari didactice - Manuale didactice	Factor de impact sau echivalent	Punctaj
P. Ogrutan, "Interfețe și echipamente periferice", curs, Reprografia Universității Transilvania, 1995, 160 pag.	nu	10.00
P. Ogruțan, C. Gerigan, "Memorii, interfețe și Periferice". Îndrumar de laborator, Reprografia Universității Transilvania, 1997, 104 pag.	nu	10.00
E. Helerea, P. Ogrutan, F. Sandu, "Ingineria mecanica si electrica a autovehiculelor" Editura Universitatii TRANSILVANIA Brasov, Sectiunea B Automobilul si mediul ambiant, 1997 ISBN 973-98511-0-X	nu	10.00
Total A1		270.00

A2 - Activitatea de cercetare		
A2.1 Articole în reviste cotate și în volumele unor manifestări științifice indexate ISI	Factor de impact ISI sau echivalent	Punctaj
L.E.Aciu, P.Ogrutan, G.Nicolae, B.Bouriot, <i>New SE_{DB} measurement methods for conductive materials</i> , Przegląd Electrotechniczny, 3/2010, ISSN 033-2097, p.5-7, WOS:000275023700002	0.25	7.50
P. Ogrutan, Lia Elena Aciu, Carmen Gerigan, Mihai Romanca, <i>Environmental Education in Electrical Engineering</i> , Environmental Engineering and Management Journal, September 2010, Vol.9, No. 9, pag. 1187-1194, ISSN 1582-9596, WOS:000288875000007, Factor impact 1,008	1.008	11.29
P. Ogrutan, M. Romanca, C. Gerigan, G. Morariu, L. Aciu, <i>Real Time and Multiple Location Radon (222Rn) Monitoring System</i> , Advances in Electrical and Computer Engineering, No. 4, November 2010, ISSN 1582-7445, WOS:000284782700025, Factor impact 0.642	0.642	9.46
P. Ogrutan, L. E. Aciu, D.Lozneanu, I.Rosca, <i>Consumers protection and monitoring with microcontroller based device for low-voltage distribution systems</i> , Przegląd Electrotechniczny, 06/2012, ISSN 033-2097, p. 55-57, WOS:000305823300011	0.25	10.00
L. Aciu, P. Ogrutan, <i>HF signal behaviour analysis</i> , Przegląd Electrotechniczny, 07b/2012, ISSN 033-2097, ISSN 033-2097, p. 177-179, WOS:000306011400045	0.25	15.00
P. Ogrutan, L. Suci, G. Morariu, L. E. Aciu, <i>Susceptibility of Radon Measurement Device to Electric Fields</i> , Roumanian Journal of Physics, Volume 58, Supplement, pages S202-S209, 2013, WOS:000318577900024, Factor impact 0,924	0.924	10.87
Morariu, G., Machedon-Pisu, M., Ogrutan, PL., Croitoru, O., Dutca, M., Pascu, R., Bilici, A., <i>Influence of Non-Ionizing Electromagnetic Fields on Redox Systems in Solutions</i> , Environmental Engineering and Management Journal, Volume: 13, Issue: 10, Pages: 2633-2641, 2014, WOS:000347162500024, Factor impact 1,008	1.008	6.45

L. Aciu, A. M. Cazan, P. Ogrutan, <i>A comparison between two didactical approaches on shielding problems in an electromagnetic compatibility course – Analytical method versus simulation method</i> , International Journal of Electrical Engineering Education, 2015, DOI: 10.1177/0020720915596753, SAGE, p 1-11, Print ISSN: 0020-7209, Online ISSN: 2050-4578, WOS:000372882400008, Factor impact 0,306	0.306	10.37
P.Ogrutan, F. Sandu, C. Gerigan, <i>Using Students Own Mobile Phones in Teaching Wireless Programming Techniques Laboratory</i> , International Journal of Engineering Education, Volume: 32, Issue: 2, Pages: 841-848, Part: A, 2016, WOS:000374235000022, Factor impact 0,514	0.514	11.76
P. Ogrutan, C. Gerigan, <i>A new outlook for the computer interfacing practical classes to stimulate and train student's creativity</i> , Proceedings of the 9 th International Conference on Optimization of Electrical and Electronic Equipments, Brasov 2004, ISBN 973-635-285-4, pag. 203-206, WOS:000255387700040, (ISI)	0.25	15.00
C. Gerigan, P. Ogrutan, <i>USB Controller- Educational aspects</i> , The 10 International Conference on Optimization of Electrical and Electronic Equipment, Optim 2006, ISBN 973-635-702-3, Brasov, WOS:000256419100038, (ISI)	0.25	15.00
P. Ogrutan, L.E. Aciu, G. Nicolae, <i>A SPICE Model to Evaluate Shielding Effectiveness of Conductive Materials</i> , XVII International Conference on Electromagnetic Disturbances 2007, Poland, ISBN 978-83-60200-37-7, pag. 10.6-1, 10.6-4, WOS:000253291700054, (ISI)	0.25	10.00
M. Romanca, P. Ogrutan, L. Aciu, G. Nicolae, <i>Methods of Investigating Construction Materials Used for Intelligent Building Shielding</i> , Proceedings of the 11-th International Conference on Optimization of Electrical and Electronic Equipments, Brasov, 2008, OPTIM 2008, IEEE Catalog Number 08EX1996C, ISBN 1-4244-1545-4, Library of the Congress 2007905111, WOS:000258474700032, (ISI)	0.25	7.50
Gh. Morariu, P. Ogrutan, Cs. Kertesz, M. Alexandru, <i>A Novel Procedure and Apparatus for Measuring the Radon Concentration in Air</i> , Proceedings of the 11-th International Conference on Optimization of Electrical and Electronic Equipments, Brasov, 2008, OPTIM 2008, IEEE Catalog Number 08EX1996C, ISBN1-4244-1545-4, Library of the Congress 2007905111, WOS:000258474700038, (ISI)	0.25	7.50
M. Badic, L. Aciu, P. Ogrutan, <i>A New Direct Method for SE_{dB} Determination</i> , International Symposium for Electromagnetic Compatibility, Detroit, 2008, IEEE Catalog Number: CFP08EMC-CDR, ISBN: 978-1-4244-1699-8, Library of Congress: 83-645449, WOS:000263416300087, (ISI)	0.25	10.00
A. Nedelcu, F. Sandu, Al. Marian, M. Machedon, P. Ogrutan, <i>Wireless-based Remote Monitoring and Control of Intelligent Buildings</i> , ROSE 2009, IEEE International Workshop on Robotic and Sensors Environments, Milano, 2009, p. 47-52, ISBN 978-1-4244-4778-7, IEEE Catalog Number CFP09549-CDR, Library of Congress 2009905294, WOS:000289914300009, (ISI)	0.25	6.00
L. Aciu, P. Ogrutan, M. Scutaru, A. Mailat, <i>Study of High Frequency Signals Behaviour</i> , 12 th International Conference on Optimization of Electrical and Electronic Equipment, ISBN 978-973-131-7018-1, CFP-1022D-CDR, 2010, p. 220-225, WOS:000291967300029, (ISI)	0.25	7.50
C. Gerigan, P. Ogrutan, L. Nagy, <i>Aspects on the Stability of a Gyroscopic Angle Measurement</i> , 12 th International Conference on Optimization of Electrical and Electronic Equipment, ISBN 978-973-131-7018-1, CFP-1022D-CDR, 2010, p.993-996, WOS:000291967300147, (ISI)	0.25	10.00
P. Ogrutan, C. Kertesz, Gh. Pana, <i>Reduction Noise in Embedded Systems by Clock Signal Spectrum Spreading</i> , 12 th International Conference on Optimization of Electrical and Electronic Equipment, ISBN 978-973-131-7018-1, CFP-1022D-CDR, 2010, p.975-980, WOS:000291967300144, (ISI)	0.25	10.00
P. Ogrutan, A. M. Cazan, L. E. Aciu, <i>Enhancing Learner Involvement in the Academic Subject of Electromagnetic Compatibility</i> , 14th International Conference on Optimization of Electrical and Electronic Equipment OPTIM 2014, 978-1-4799-5183-3/14/\$31.00 ' 2014, IEEE, p. 892-897, WOS:000343551300131, (ISI)	0.25	10.00
C. Gerigan, P. Ogrutan, <i>New Computer Peripherals Syllabus for Computer Study Program</i> , 14th International Conference on Optimization of Electrical and Electronic Equipment OPTIM 2014, 978-1-4799-5183-3/14/\$31.00 ' 2014 IEEE, p. 902-907, WOS:000343551300133, (ISI)	0.25	15.00
L. E. Aciu, P. Ogrutan, G. Nicolae, C. Ursachi, <i>Errors in Electronic Radon Gas Monitors due to Electromagnetic Interferences</i> , 14th International Conference on Optimization of Electrical and Electronic Equipment OPTIM 2014, 978-1-4799-5183-3/14/\$31.00 ' 2014 IEEE, p. 144-149, WOS:000343551300021, (ISI)	0.25	15.00
P. Ogrutan, C. Gerigan, <i>Testing PC Power Supply</i> , Melecon 96, 8th Mediterranean Electrotechnical Conference, Bari, Italia, 1996, p. 1365-1367 ISBN 0-7803-3110-9, Catalog IEE 96CH35884, Library of Congress 95-81728, WOS:A1996BG35R00294, (ISI)	0.25	15.00
A2.2 Articole in reviste si volumele unor manifestari stiintifice indexate in alte baze de date internationale (BDI)	Factor de impact ISI sau echivalent	Punctaj
C. Miron, P. Ogrutan, E. Wardegger, "Two New Miller theorems", <i>IEE Proceedings Circuits, Devices and Systems</i> Vol. 133, October 1986, p.271-272, ISSN 1350-2409	nu	6.67
Gh. Pană, C. Gerigan, P. Ogrutan, "Filters for the Mains Supply with Overvoltage Protection", Proceedings of the 6-th International Conference on Optimization of Electrical and Electronic Equipments, Brasov, 1998, p.655-658, vol. 3	nu	6.67
L. E. Aciu, P. Ogrutan, G. Nicolae <i>New experimental methods for determining electromagnetic field attenuation in nanomaterials</i> , SIITME2009, 15th International Symposium for Design and Technoogy of Electronics Packages, Hungary, ISBN 978-1-4244-5133-3, 978-1-4244-50330309, IEEE Xplore Catalog Number: CFP0907I-ART, Library of Congress: 2009933805	nu	6.67
C. Gerigan, P. Ogrutan, L. Aciu, <i>Remote EEG Monitoring</i> , SIITME2009, 15th International Symposium for Design and Technoogy of Electronics Packages, Hungary, ISBN 978-1-4244-5133-3, 978-1-4244-50330309, IEEE Xplore Catalog Number: CFP0907I-ART, Library of Congress:2009933805	nu	6.67

D. Lozneanu, P. Ogrutan, L.E. Aciu, I. Rosca <i>Study regarding intelligent protection in low voltage supply and data transmission</i> , IEEE International Symposium for Design and Technology of Electronic Packaging, SIITME 2010, Pitesti, ISBN 978-1-4244-8122-4/10/26 IEEE	nu	5.00
L. Aciu, P. Ogrutan, C. Gerigan, Software application for monitoring and protection systems in low-voltage distribution systems, 2012 IEEE 18th International Symposium for Design and Technology in Electronic Packaging (SIITME) 978-1-4673-4760-0/12/\$31.00 ©2012 IEEE	nu	6.67
Csaba-Zoltan Kertesz, Gheorghe Pana, Petre Ogrutan, Liviu Suci, Microcontroller Based System for Radon Concentration Measurement and Data Transmission, 13 th International Conference on Optimization of Electrical and Electronic Equipment, ISBN 978-1-4673-1653-8/12/2012 IEEE, p. 1247-1252	nu	4.00
Petre Ogrutan, Carmen Gerigan, Project Based Learning in Environmental Education Light Bulbs - Case Study, 13 th International Conference on Optimization of Electrical and Electronic Equipment, ISBN 978-1-4673-1653-8/12/2012 IEEE, p. 1331-1336	nu	2.00
C. Gerigan, P. Ogrutan, Gh. Pană, Fl. Sandu, "Automatic Testing of PC-AT Computer's Susceptibility for Disturbing Conducted through the Mains Supply", Proceedings of the 6-th International Conference on Optimization of Electrical and Electronic Equipments, Brasov, 1998, p.741-744, vol. 3	nu	5.00
Ogrutan, P.L.; Stanca, A.C.; Aciu, L.E., EMC education with environmental and electronics technology orientation, Design and Technology in Electronic Packaging (SIITME), 2015 IEEE 21st International Symposium for, 2015, Page(s):387 – 392, DOI: 10.1109/SIITME.2015.7342359, http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=7342359&number=3D7331703%26Filter%3DAND%28p_IS	nu	6.67
Suci, Iulia; Ogrutan, Petre Lucian; Pana, Gheorghe, Comparison between the current feedback amplifier and the modern voltage feedback amplifier, Design and Technology in Electronic Packaging (SIITME), 2015 IEEE 21st International Symposium for, Year: 2015, Pages: 249 - 252, DOI: 10.1109/SIITME.2015.7342334, http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=7342334&newsearch=true&searchWithin=%22act%20Name%20	nu	6.67
P.Ogrutan, "Aspecte privind efectul telefoniei mobile asupra sanatatii", revista Ecoterra nr. 10/2006, ISSN 1584-7071 Copernicus (Copernicus1) http://jml2012.indexcopernicus.com/issue.php?id=4107&id_issue=845080	nu	20.00
P. Ogrutan, Electronica verde si directivele ROHS/WEEE, Ecoterra nr 15/2007, ISSN 1584-7071 pag 28-29 Copernicus (Copernicus2) http://jml2012.indexcopernicus.com/issue.php?id=4107&id_issue=845075	nu	20.00
P. Ogrutan, L. Aciu, L. Suci, B. Ferenc, Electric Fields Produced by Power Lines, revista Ecoterra nr. 20, martie 2009, ISSN 1584-7071 pag 12-13 Copernicus, (Copernicus3) http://jml2012.indexcopernicus.com/issue.php?id=4107&id_issue=845070	nu	5.00
P. Ogrutan, A. Ciocea, L. Suci, C. Ogrutan, The computer printers manufacturers between economical interests and the environmental friendliness, Ecoterra, Journal of Environmental Research and Protection, Year VII, no. 25, 2010, ISSN 1584-7071 Copernicus (Copernicus4) http://jml2012.indexcopernicus.com/issue.php?id=4107&id_issue=848110	nu	5.00
P.Ogrutan, L. Aciu, L. Suci, Light Bulbs. Evolution and Environmental Risk, Ecoterra, Journal of Environmental Research and Protection, Year VIII, no. 27, 2011, ISSN 1584-7071 Copernicus (Google-Ecoterra) http://jml2012.indexcopernicus.com/issue.php?id=4107&id_issue=855237	nu	6.67
P.Ogrutan, L. Suci, Computers and the Environment. Educational Aspects, Ecoterra Journal of Environmental Research and Protection, Year VIII, no. 27, 2011, ISSN 1584-7071 Copernicus (Google-Ecoterra) http://jml2012.indexcopernicus.com/issue.php?id=4107&id_issue=855237	nu	10.00
P. Ogrutan, "Compania Fujitsu si poluarea", revista Ecoterra, decembrie 2005, Cluj Napoca, ISSN 1584-7071 (CNCSIS D),(Copernicus5) http://jml2012.indexcopernicus.com/issue.php?id=4107&id_issue=845083	nu	20.00
L. Suci, P. Ogrutan, Gh. Pana, C. Cosma, Aspects Regarding Building materials with Electromagnetic and Radon Shielding Characteristics, Ecoterra nr 17/2008, ISSN 1584-7071 pag 28-29, (CNCSIS D) (Copernicus6) http://jml2012.indexcopernicus.com/issue.php?id=4107&id_issue=845073	nu	5.00
B. Ferenc, P. Ogrutan, L. Suci, Green Engineering. Power Saving and Renewable Power Generation, , revista Ecoterra nr. 20, martie 2009, ISSN 1584-7071 pag. 14-16 (CNCSIS D) (Copernicus3) http://jml2012.indexcopernicus.com/issue.php?id=4107&id_issue=845070	nu	6.67
P. Ogrutan, L. Aciu, Educatia ecologica in inginerie, revista Ecoterra nr. 21, sept. 2009, ISSN 1584-7071 pag. 21-23 (CNCSIS D) (Copernicus7) http://jml2012.indexcopernicus.com/issue.php?id=4107&id_issue=844980	nu	10.00
P. Ogrutan, L. Suci, Monitorizarea presiunii in pneuri si servodirectia asistata electric, factori de microrare a cantitatii de bioxid de carbon emisa de autovehicole, revista Ecoterra nr. 24, iunie. 2010, ISSN 1584-7071 pag. 21-23 (CNCSIS D) (Copernicus8) http://jml2012.indexcopernicus.com/issue.php?id=4107&id_issue=844947	nu	10.00
P. Ogrutan, L. E. Aciu, C. Stanca, Attenuation characteristics of electromagnetic shielding materials, ECOTERRA Journal of Environmental Research and Protection 2014, Volume 11, Issue 1, p. 66-75, http://www.ecoterra-online.ro/files/1402005502.pdf	nu	6.67
P. Ogrutan, G. Pana, <i>Electric fields and environmental health education</i> , ECOTERRA Journal of Environmental Research and Protection 2014, Volume 11, Issue 1, p. 51-60 http://www.ecoterra-online.ro/files/1402005338.pdf Electric_Fields-Ecoterra2014.rar	nu	10.00
P.Ogrutan, L. Suci, L. Purghe, C. Cosma, "Metoda integrativa pentru masurarea radonului in aer. Influenta mediului electromagnetic", revista Ecoterra nr. 12/2007, ISSN 1584-7071 (CNCSIS D), http://jml2012.indexcopernicus.com/issue.php?id=4107&id_issue=845078	nu	5.00
P.Ogrutan, L. Suci, L. Purghe, C. Cosma "Masurarea concentratiei de Radon in aer prin numararea impulsurilor", revista Ecoterra nr. 13/2007, ISSN 1584-7071 http://jml2012.indexcopernicus.com/issue.php?id=4107&id_issue=845077	nu	5.00

P.Ogrutan, Cs. Kertesz, L. Purghel, L. Suciuc "Sistem pentru masurarea in timp real a concentratiei de Radon in aer si transmisia datelor din locatii multiple", revista Ecoterra nr. 14/2007, ISSN 1584-7071 (http://jml2012.indexcopernicus.com/issue.php?id=4107&id_issue=845076)	nu	5.00
Gh. Pana, Cs. Z. Kertesz, P. Ogrutan, Microcontroller Based System for Radon Concentration Measurement, Journal of Engineering Studies and Research, Volume 18 (2012) No. 3, pag. 97-103, DOAJ	nu	6.67
P. Ogrutan, L. E. Aciu, Electromagnetic Shielding Effectiveness Evaluation For Materials, International Journal of Engineering Research and Applications (IJERA) ISSN: 2248-9622 www.ijera.com Vol. 3, Issue 4, Jul-Aug 2013, pp.2329-2334	nu	10.00
L. E. Aciu, P. Ogrutan, Aspects Regarding Electromagnetic Field Protection, International Conference AFASES 2013 Brasov, 23-25 May 2013, p 361-366, ISSN 2247-3173, http://www.afahc.ro/index.html EBSCO	nu	10.00
P. Ogrutan, L. E. Aciu, Microcontroller Based System for Accelerated Reliability Tests for Electronic Equipment, International Conference AFASES 2013 Brasov, 23-25 May 2013, p 387-392, ISSN 2247-3173, http://www.afahc.ro/index.html EBSCO	nu	10.00
O. Gui, C. Miron, P. Ogrutan, HDRI And Retinex Techniques Applied for Cultural Heritage Domain, Acta Technica Napocensis, vol. 54, nr. 3, 2013, p. 33-36 http://users.utcluj.ro/~atn/Numbers.htm , EBSCO r	nu	6.67
C. Gerigan, P. Ogrutan, AT Commands in Project based Learning, Bull. Transylvania University of Braşov Ser. I: Engineering Sciences, Vol. 4 (53), No. 2, 2011, ISSN 2065-2127, http://rs.unitbv.ro/BU2011/Series%20I/BULETIN%20I/Gerigan_C.pdf	nu	10.00
Fl. Sandu, D. Nicula, P. Ogrutan, "Implementation for a Virtual Electronics Laboratory", the Seventh International Conference Electronics '98, Sozopol, 1998 pag.133-138	nu	6.67
L. Aciu, P. Ogrutan, M. Machedon, A Comparative Study of Radiation Levels in Brasov, Buletinul Institutului Politehnic din Iasi Sectia Electrotehnica, Energetica, Electronica, 1223-8139, Tomul LVIII (LXII), Fasc. 2, 2012 (CNCSIS B+), http://iota.ee.tuiasi.ro/~site_eth/Buletin%20IPI/2012/fasc.2/p11_f2_2012.pdf	nu	6.67
M. Machedon, P. Ogrutan, L. Aciu, A Comparative Study of Ionizing and Non-Ionizing Radiation Levels in Brasov, Bulletin of the TRANSILVANIA University of Brasov – Series I: Engineering Sciences; No. 2, 2065-2119,2065-2127(CD), ISSN 2065-2127 2012 (CNCSIS B+)	nu	6.67
L. Aciu, P. Ogrutan, M. Badic, New methods developed for shielding material characterization, Annals of the University of Craiova, Electrical Engineering series, No. 33, 2009; ISSN 1842-4805, http://elth.ucv.ro/fisiere/anale/2009/1.pdf	nu	6.67
P. Ogrutan, L. Aciu, D. Bidian, A Model for Shielding Effectiveness Evaluation, Annals of the University of Craiova, Anul 31, nr. 31 2007, Vol 1, pag 425-430, ISSN 1842-4805, prezentat la 6 International Conference on Electromechanical and Power Systems SIELMEN 2007, Chisinau, Moldova. CNCSIS B http://elth.ucv.ro/fisiere/anale/2007/123.pdf	nu	6.67
M. Scutaru, P. Ogrutan, High Frequency Signal Attenuation Through Materials, Bulletin of the Transilvania University of Braşov, Vol. 2 (51), 2009, Series I, ISSN 2065-2127, http://webbut.unitbv.ro/bu2009/BULETIN2009/Series%20I/BULETIN%20I%20PDF/Electrical%20Engineering,%20Electronics%20and%20Automatics/Scutaru%20M_09.pdf	nu	10.00
P. Ogrutan, M. Romanca, Cs. Kertesz, A Multisensor GPRS- Based System for Intelligent Building, Acta Technica Napocensis, Vol. 48, Number 3, 2007, ISSN 1221-6542, pag 45-48 (CNCSIS B+), http://users.utcluj.ro/~atn/papers/ATN_3_2007_11.pdf	nu	6.67
Aciu L. E., Ogrutan P. L., Volmer M., Electromagnetic Shielding Properties Determination for Advanced Composite Materials, Proceedings of COMAT 2012: Transilvania University of Brasov, 18- 20 October 2012, Derc Publishing House, ISBN-10: 0981730051, ISBN-13: 978-0981730059	nu	6.67
M. Alexandru, M. Romanca, P. Ogrutan, Remote Temperature Recording Using Bluetooth Technology, Acta Technica Napocensis, Vol. 48, Number 3, 2007, ISSN 1221-6542, pag 27-30 (CNCSIS B+), http://users.utcluj.ro/~atn/papers/ATN_3_2007_7.pdf	nu	6.67
P. Ogrutan, L. Aciu, A. Mailat, "A Critical Analysis of Schelkunoff's Formalism in EMC" Bulletin of the Transilvania University of Brasov, vol. 13 (48), ISSN 2065-2119, 2006, pag 235-239 (CNCSIS B) http://webbut.unitbv.ro/BU2008/Arhiva/BU2006/BULETIN%20A%20PDF/A_39_Ogrutan_06.pdf	nu	6.67
Cs. Kertesz, P. Ogrutan, I. Szekely, Embedded System with ATMEGA16 for Measuring Radon Concentration, Bulletin of Transilvania University of Brasov, Vol. 14(49) 2007, ISSN 2065-2119, pag. 243 (CNCSIS B) http://webbut.unitbv.ro/BU2008/Arhiva/BU2007/BULETIN%20A%20PDF/ie/Kertesz_07.pdf	nu	6.67
G. Nicolae, P. Ogrutan, A. Mailat, L. Aciu, Experimental Investigation on the Material and Nanomaterials in Microwave Fields, Bulletin of Transilvania University of Brasov, Vol. 14(49) 2007, pag. 257, ISSN 2065-2119, (CNCSIS B) http://webbut.unitbv.ro/BU2008/Arhiva/BU2007/BULETIN%20A%20PDF/ie/Nicolae_07.pdf	nu	5.00
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A2.3.2 Proprietate intelectuală, brevete de invenție, certificate ORDA - naționale	Factor de impact ISI sau echivalent	Punctaj
L.Suciu, P.Ogrutan, "Metoda și aparat pentru măsurarea mediei temperaturii", Brevet de invenție nr. 92451/ 1987	nu	12.50
Munteanu R., P.Ogrutan, M.Pop, D.Dimofte, A.Iliescu, "Dispozitiv de protecție pentru receptori de energie electrică", Brevet de invenție, 98224/1989	nu	5.00
M. Pop, P. Ogrutan, "Ciocan de lipit termostatat", brevet nr.96546/1988	nu	12.50
P.Ogrutan, R. Munteanu, L.Suciu, "Dispozitiv de protecție la scurtcircuit și supratensiune pentru receptori de energie electrică", Brevet de invenție nr. 122067/2008	nu	8.33
L. Purghei, Gh. Morariu, P. Ogrutan, M. Alexandru, Cs. Kertesz, L. Suciu, Metoda și aparat pentru măsurarea concentrației de Radon în aer și transmiterea datelor la distanță, brevet de invenție nr. 125125/2012	nu	4.17
P.Ogrutan, R. Munteanu, L.Suciu, "Metoda de protecție la scurtcircuit și supratensiune pentru receptori de energie electrică", Brevet de invenție nr. 122945/2010	nu	8.33
Inovație 1379/1986, D. Birlutiu, P. Ogrutan, M. Pop, L. Iancu, I. Amiras, <i>Letcon cu variator electronic de putere</i> ,	nu	5.00
Inovație 7/1987, P. Ogrutan, M. Pop, <i>Automat de test pentru letconul cu variator electronic de putere</i> ,	nu	12.50
Inovație 535/1987, M. Pop, P. Ogrutan, <i>Adaptor la osciloscop și metodă pentru măsurarea caracteristicilor de frecvență</i> ,	nu	12.50
Inovație 536/1987, P. Ogrutan, M. Pop, <i>Interfață de proces pentru achiziții de date</i>	nu	12.50
Inovație 537/1987, D. Birlutiu, M. Pop, P. Ogrutan, I. Amiras <i>Sonda pentru detectarea impulsurilor parazite</i>	nu	8.33
Inovație 135/1988, P. Ogrutan, M. Pop, <i>Sistem de supraveghere antiperturbativă a rețelei</i> ,	nu	12.50
Inovație 189/1988, P. Ogrutan, G. Nicodin, C. Gerigan, <i>Metodă de mărire a timpului de bună funcționare la unitatea de disc flexibil Robotron K5602</i> ,	nu	8.33
Inovație 1193/1988, P. Ogrutan, M. Pop, <i>Detector de deviații de frecvență</i>	nu	12.50
Inovație 1427/1989, P. Ogrutan, G. Nicodin, D. Georoceanu, C. Popescu, <i>Metodă, aparat și program de asistare pentru înscrierea unui disc flexibil de reglare</i>	nu	6.25
Inovație 580/1989, P. Ogrutan, A. Voda, <i>Complex de biofeedback</i> , Model experimental și certificat de inovator,	nu	12.50
A2.4.1.2 Granturi sau proiecte câștigate prin competiție în calitate de director sau responsabil contract - naționale	Factor de impact ISI sau echivalent	Punctaj
Proiect CNCISIS nr. 429/2006, Studiul proprietăților de ecranare a materialelor obținute prin nanotehnologii și nanoprocese în vederea integrării lor în sistemele electrice și electronice pentru îmbunătățirea calității mediului, 2006-2008	nu	30.00
Proiect CEEX nr. 747/2006, Cercetări privind cartarea națională a Radonului pentru protecția populației în conformitate cu cerințele normelor internaționale și ale UE-RADROM, 2006-2008	nu	30.00
A2.4.2.2 Granturi sau proiecte câștigate prin competiție în calitate de membru în echipă - naționale	Factor de impact ISI sau echivalent	Punctaj
Proiect CEEX 2006 "Sistem de control și monitorizare la distanță a clădirilor inteligente COMODICI", proiect CEEX 60CEEX-II03, 2006-2008,	nu	6.00
Proiect PNCDI D1-1-057/2007 Achiziție de semnale biomedicale și teletransmisie prin echipamente mobile de calcul, BIOMED-TEL, 2007-2009, membru în echipa de proiect.	nu	6.00
Proiect AGRAL, Contract nr. 179/2003, S5-INDAL, INSTALMAR, Realizarea unei instalații automatizate pentru controlul factorilor de păstrare a merelor în spații de depozitare în vederea valorificării lor conform standardelor europene, membru în colectiv, titular ICPE Bistrița	nu	6.00
Proiect RELANSIN, Contract nr. 1739/2003, 3-Reindustrializare, Instalatie modulara pentru epurarea apelor reziduale IMEAR, membru în colectiv, titular ICPE Bistrița	nu	4.00
Proiect MENER, Contract nr. 414/2004, A5-Mediul și factori climatici, Sistem inteligent de optimizare a parametrilor treptei biologice din stațiile de epurare SIO, 2004, membru în colectiv, titular ICPE Bistrița	nu	4.00
Proiect INVENT, Contract nr. 124/2004, Echipament de dezinfectie cu ozon, membru în colectiv, titular ICPE Bistrița	nu	4.00
Proiect INOVARE, Contract nr. 20/2007, Soluții tehnologice de valorificare a gazului de depozit prin utilizarea unui turbogenerator aeroderivativ, membru în colectiv, titular ICPE Bistrița	nu	6.00
ESTIA-EARTH - Lifelong Learning Erasmus Network, 142418-LLP-1-2008-1-GR-ERASMUS-ENW, 2008-2011, membru în colectiv	nu	4.00
eSTART - ID 54956 „Program multi-regional de studii masterale în domeniul eActivități” perioada:20122013 finantator:Fonduri structurale, NrContract:POSDRU/86/1.2/S/54956 NrAniDerulare:3	nu	6.00
Total A2	8.65	911.95

A3 - Recunoașterea și impactul activității		
A3.1.1 Citări în cărți, reviste și volume ale unor manifestări științifice - cărți, ISI	citări	Punctaj
Citări ale articolului: C. Miron, P. Ogrutan, E. Wardegger, "Two New Miller theorems", IEE Proceedings Circuits, Devices and Systems		

Moura, L., Error analysis in Miller's theorems, Circuits and Systems I: Fundamental Theory and Applications, IEEE Transactions on (Volume:48 , Issue: 2), ISSN 1057-7122, 2001, ISI FI=2.3	1	2.67
S. M. POTIRAKIS G. E. ALEXAKIS, The Feedback Decomposition Theorem: The evolution of Miller's Theorem, International Journal of Electronics Volume 85, Issue 5, 1998, ISSN 1362-3060 ISI FI=0.751 http://www.tandfonline.com/doi/abs/10.1080/002072198133860#.VZSsNy892l	1	2.67
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Changhai Peng, Kun Qian, Development and Application of a ZigBee-Based Building Energy Monitoring and Control System, The Scientific World Journal, Hindawi, Volume 2014, http://dx.doi.org/10.1155/2014/528410, ISSN: 1537-744X http://www.hindawi.com/journals/tswj/2014/528410/abs/	1	1.60
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A3.3.2. Membru în colective de redacție sau comitete științifice al revistelor, organizator de manifestări științifice, internaționale indexate - BDI		
Revista Ecoterra, ISSN tipărit 1584-7071, ISSN electronic 2248-3128, http://www.ecoterra-online.ro/ro/		6.00
IEEE International Symposium for Design and Technology in Electronic Packaging (SIITME), Chair, 2008 http://siitme.ro/		6.00
BULLETIN OF THE TRANSILVANIA UNIVERSITY OF BRASOV SERIES I - Engineering Sciences, http://webbut.unitbv.ro/bulletin/Series%20I/Series%20I.html		6.00
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A3.3.3. Membru în colective de redacție sau comitete științifice al revistelor, organizator de manifestări științifice, naționale și internaționale neindexate		
CONTRIBUTII STIINTIFICE ÎN TEHNOLOGII SI ECHIPAMENTE PENTRU EVALUAREA SI PROTECTIA MEDIULUI, Arcaia (Bistrita), http://www.icpebn.ro/simpozion2011/comitet_program.html		3.00
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A3.4.1.Premii internaționale		
		Punctaj
Medalia de aur la Expoziția mondială de invenții Brussels 2008		15.00
Medalia de aur la Salonul Internațional de Invenții Geneva 2009		15.00
Arca de argint la Salonul Internațional de Invenții Zagreb 2009		15.00
Medalia de aur la Expoziția internațională INVENTIKA 2010 București		15.00
Medalia de aur la Expoziția mondială de invenții Brussels Eureka 2010		15.00
Medalia de argint, Salonul Internațional de Invenții Geneva 2011		15.00
Medalia de bronz, Salonul Internațional de Invenții Geneva, 2013		15.00
Medalia de argint la Expoziția mondială de invenții Brussels Eureka 2002		15.00
Medalia de argint la SALONUL INTERNAȚIONAL DE INVENȚII, CERCETARE ȘTIINȚIFICĂ ȘI TEHNOLOGII NOI „INVENTIKA – 2008”		15.00
Total A3		266.80
TOTAL A1 + A2 + A3		1448.75

Condiții minimale pentru profesor/abilitare	Minim	Obținut
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A3 >=100	100	266.80
A1.1.1-A1.1.2 Cărți și capitole în cărți de specialitate >= 4	4	12
A1.2.1-A1.2.2 Material didactic/lucrari didactice >= 2	2	3
A2.1 Articole în reviste cotate și în volumele unor manifestări științifice indexate ISI >= 12	12	23
A2.4.1 Granturi/proiecte câștigate prin competiție ca director sau responsabil >= 2	2	2
A3.1.1-A3.1.2 Numar de citări în cărți, reviste și conferințe BDI sau ISI >= 20	20	59
Factor de impact cumulată pentru publicații >= 6	6	8.65

