

UNIVERSITATEA POLITEHNICA DIN BUCUREȘTI

FIȘA DE VERIFICARE A ÎNDEPLINIRII STANDARDELOR DE PREZENTARE LA CONCURS [CONFERENȚIAR]

CANDIDAT: BĂDESCU Alina-Mihaela

Post Nr. 26, Conferențiar, Depart. de Telecomunicații, Fac. de Electronică, Telecomunicații și Tehnologia Informației - UPB

Condiții	Îndeplinire condiții	
A. Doctor	Diploma de Doctor în domeniul Inginerie Electronică și Telecomunicații, Nr. 428 din 09.01.2012, cu Seria H și Nr. 0000428, emisă de Universitatea POLITEHNICA din București, în baza Ordinului MEN nr. 6697 din 21.12.2011.	
B. Îndeplinirea standardelor minime naționale conform OMEN nr. 6560/20.12.2012; MO, I, 890 si 890bis/27.12.2012	Standarde îndeplinite, conform Comisiei CNATDCU Nr. 11, Electronică, Telecomunicații și Nanotehnologie , Domeniul științific Telecomunicații Anexată: Fișa de calcul și de susținere a îndeplinirii standardelor minime specifice domeniului, în acord cu realizările menționate:	
Condiții minimale [Punctaj]	Minim prevăzut	Realizat
A1. Activitatea didactică / profesională (A1)	50	100
A2. Activitatea de cercetare (A2)	250	462,80
A3. Recunoașterea impactului activității (A3)	50	107,67
TOTAL (A)	350	670,47
Condiții minimale obligatorii pe subcategorii [Număr]	Minim prevăzut	Realizat
A1.1.1 – A1.1.2. Cărți și capitole în cărți de specialitate în edituri recunoscute	2	3
A1.2.1 –A1.2.2. Material didactic/Lucrari didactice	1	3
A2.1. Articole în reviste cotate și în volumele unor manifestări științifice indexate ISI proceedings	6	14
A2.4.1. Granturi/proiecte câștigate prin competiție (Director / responsabil)	1	1
A3.1.1 – A3.1.2. Număr de citări în cărți, reviste și volume ale unor manifestări științifice ISI sau BDI	10	20
Factor de impact cumulată pentru publicații	3	20,64
C. Atestarea studiilor (diploma + Foi Matricole) și a altor realizări profesionale	Diplomă de Inginer în profilul Electric, specializarea Comunicații, direcția de aprofundare Comunicații Radio & Optice, seria F, nr. 0004560, din 08.01.2007, emisă de Universitatea POLITEHNICA din București, Facultatea de Electronică și Telecomunicații	
	Diplomă de Studii Master în profilul Electric, specializarea „Advanced Techniques in Radio Astronomy and Space Science”, Universitatea Chalmers (Suedia) echivalată de Ministerul Educației, Cercetării și Tineretului (atestat nr. 34676/18.09.2008)	
	Alte Diplome Diploma de bacalaureat, profilul Matematică-Fizică, Seria S, Nr. 0124486, din 07.17.2001, emisă de Colegiul National „Mihai Viteazul” –Bucuresti Alte certificate Absolvire nivelul I din „Programul de studii psihopedagogice” (octombrie2015-martie 2016), adeverința nr. 500/23.03.2016 (Departamentul de formare pentru cariera didactica si stiinte socio-umane din UPB)	

Subsemnata **BADESCU Alina-Mihaela**, candidata la concursul pentru ocuparea postului de **Conferențiar, poziția 26, Departamentul de Telecomunicații, Facultatea de Electronică, Telecomunicații și Tehnologia Informației**, din Domeniul de Studii Univ. **Telecomunicații**, arondat Comisiei de Specialitate **CNATDCU [OMECTS 4204/2013] Nr. 11, Electronică, Telecomunicații și Nanotehnologie**, declar pe propria răspundere, cunoscând prevederile art. 292 privind falsul în declarații, din Legea 286/2009 - Codul Penal, că sunt îndeplinite toate Standardele minime prevăzute de Metodologia UPB 2013 pentru înscrierea la concurs [Secțiunea II.3] și OMECTS 6560/2012 [C + P], în momentul înscrierii la concurs, și susțin veridicitatea informațiilor prezentate în dosar și în materialul de mai sus. Lucrările considerate a fi incluse în Baza ISI Thomson Reuters sau în alte Baze de Date Internaționale [BDI] sunt vizibile în aceste baze, în dreptul numelui candidatului, la această dată.

Candidat,



Data: 06.06.2016

ÎN CONTINUARE: Fișa de calcul și de susținere a îndeplinirii standardelor minime specifice domeniului, în acord cu realizările menționate.

A1 Activitatea didactica si profesionala

A1.1.1 Carti si capitole in carti de specialitate in edituri recunoscute internationale

Nr. Crt.	Detalii publicatie	Indicator
1	A.M. Badescu, Radio Detection of Cosmic Neutrinos in Salt Mines, LAP Lambert Publishing GmbH & Co. KG, Saarbrücken, ISBN 978-3-659-35097-9, 2013, 170 pagini	25
2	A.M. Badescu, Constraints on cosmological parameters from observational data, LAP Lambert Publishing GmbH & Co. KG, Saarbrücken, ISBN 978-3-8465-8530-6, 2012, 77 pagini	25
Total:		A111
		50

A1.1.2 Carti si capitole in carti de specialitate in edituri recunoscute nationale

Nr. Crt.	Detalii publicatie	Indicator
1	A.M. Badescu, Introducere in radioastronomie, ed. MatrixRom, Bucharest, ISBN 978-973-755-727-8, 2011, 291 pagini [cod CNC SIS 39]	20
Total:		A112
		20

A1.2.1 Manuale didactice

Nr. Crt.	Detalii publicatie	Indicator
1	A. M. Badescu, T. Petrescu, 2015, Comunicatii prin satelit, ed. Printech, ISBN978-606-23-0368-6; 82 pagini	10
2	I. Mocanu, A. M. Badescu, 2014, Culegere de probleme de microunde, ed. Printech, ISBN 978-606-23-0189-7; 78 pagini	10
3	G. Lojewski, N. Militaru, H. Lupescu, I. Mocanu, A. M. Badescu, 2014, Microwave Circuits – Laboratory Guidebook, Editura POLITEHNICA Press, ISBN 978-606-515-563-3, București, 65 pagini	10
Total:		A122
		30

Total A1:	100
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A2 Activitatea de cercetare

A2.1 Articole in reviste cotate si in volumele unor manifestari stiintifice indexate ISI proceedings

Nr. Crt.	Referinta bibliografica	Factor impact s_i	Numar autori n_i	Indicator
1	A.M. Badescu, L. Cotofana, 2015, A wireless sensor network to monitor and protect tigers in the wild, Ecological Indicators, vol 57, pag 447-451, ISSN-1470160X, Baza ISI Thomson Reuters Web of Science [Accession Number: WOS:000358091800049; DOI: 10.1016/j.ecolind.2015.05.022], Publisher Elsevier Science BV, Amsterdam, Olanda; Research Areas: Environmental Sciences & Ecology; Web of Science Categories: Environmental Sciences	3.444	2	46.94
2	A.M. Badescu & A. Saftoiu, 2014, Radio-Wave Propagation in Salt Domes: Implications for a UHE Cosmic Neutrino Detector, Advances in High Energy Physics, vol. 2014, Article ID 901434, 9 pag., http://dx.doi.org/10.1155/2014/901434, ISSN 1687-7357, Accession Number: WOS:000330760500001, Publisher Hindawi Publishing Corp., New York, USA; Research Areas: Physics; Web of Science Categories: Physics, Particles & Fields	2.2	2	34.50
3	A.M. Badescu, 2013, Considerations on an underground neutrino radio detector in salt, J. of Instrumentation, vol 8, P03010, 26 pag., doi:10.1088/1748-0221/8/03/P03010, ISSN 1748-0221, Accession Number: WOS:000316990700035, Publisher IOP Publishing LTD, Bristol, England; Research Areas: Instruments & Instrumentation; Web of Science Categories: Instruments & Instrumentation	1.39	1	52.80
4	A.M. Badescu, 2015, On a radio detection system for cosmic observations, Astron. & Geophys. J., vol. 56, no.1, pag.1.30-1.33, ISSN: 1366-8781, doi: 10.1093/astrogeo/atv029, Accession Number: WOS:000351926900030, Publisher Oxford Univ. Press, Research Areas: Astronomy & Astrophysics; Web of Science Categories: Astronomy & Astrophysics;	0.324	1	31.48
5	A.M. Badescu & A. Saftoiu, 2014, The effects of naturally occurring impurities in rock salt on radio propagation, Pramana, Vol. 83, no 3, pag 435-447, ISSN 0304-4289, DOI: 10.1007/s12043-014-0775-9, WOS:000341883300012, Publisher Indian Academy Sciences, India, Research Areas: Physics; Web of Science Categories: Multidisciplinary	0.649	2	18.99
6	A.M. Badescu, T. Petrescu, 2011, Observational limits of a large scale neutrino detector in a salt dome, Acta Astronautica, Vol. 69, No 7, pag. 375-380, doi:10.1016/j.actaastro.2011.05.001, ISSN: 0094-5765, Accession Number: WOS:000294039500005, Publisher Pergamon-Elsevier Science LTD, Oxford, England; Research Areas: Engineering; Web of Science Categories: Engineering	1.12	2	23.70
7	A.M. Badescu, O. Fratu, A. Frujinã, S. Halunga, I. Marcu, Wireless Sensor Network for wildlife monitoring, 2011, Environmental Engineering and Management Journal; vol. 10, No.11, pag. 1625-1634; Accession Number: WOS:000298662900003, ISSN: 1582-9596, Publisher GH Asachi Technical Univ Iasi, Romania; Research Areas: Environmental Sciences; Web of Science Categories: Environmental Sciences	1.065	5	9.26
8	A.M. Badescu, A. Saftoiu, O. Fratu, I. Brancus, B. Mitrica, O. Sima, S., Halunga, G., Toma, I, Lazanu, 2012, Radio technique for investigating high energy cosmic neutrinos, Rom. Rep. Phys, vol. 64 nr.1, pag. 281-293, Accession Number: WOS:000302105700025; ISSN: 1221-1451, editura Acad. Romane, Romania, Research Areas: Physics; Web of Science Categories: Multidisciplinary	1.51	9	6.13
9	P. Abreu, ... A. M. Badescu, ...2012, Antennas for the detection of radio emission pulses from cosmic-ray induced air showers at the Pierre Auger Observatory, Journal of Instrumentation, Volume: 7, P10011, 50 pag., WOS:000310834800021, DOI: 10.1088/1748-0221/7/10/P10011, Publisher IOP Publishing LTD, Bristol, England; Research Areas: Instruments & Instrumentation; Web of Science Categories: Instruments & Instrumentation	1.39	450	0.12
10	A.M. Badescu, O. Fratu, S. Halunga, I. Marcu, 2009, Consideration on radio propagation in cavities, Proceedings of papers, vol. II, 9th International Conference on Telecommunications in Modern Satellite, Cable and Broadcasting Services, Serbia, Nis; pag. 388 - 391; IEEE Xplore Digital Library, Accession Number: WOS:000289094600074; ISBN:978-1-4244-4381-9 Publisher IEEE, New York, SUA; Research Areas: Engineering; Telecommunications; Web of Science Categories: Engineering, Electrical & Electronic; Telecommunications,	0.25	4	7.50
11	V. Badescu; A.M. Badescu, 2009, Improved model for solar cells with up-conversion of low-energy photons, Renewable Energy, Vol. 34, Issue: 6, Pag. 1538-1544, DOI: 10.1016/j.renene.2008.11.006, WOS:000264306500016; ISSN: 0960-1481, Research Areas: Energy & Fuels, Web of Science Categories: Energy & Fuels	3.47	2	47.20
12	P. Abreu, ... A. M. Badescu, ...2013, Identifying clouds over the Pierre Auger Observatory using infrared satellite data, Astroparticle Physics, Vol. 50-52, Pag. 92-101, WOS:000329271000011, DOI: 10.1016/j.astropartphys.2013.09.004, Publisher Elsevier Science, Amsterdam, Olanda; Research Areas: Physics; Web of Science Categories: Physics, Applied; Physics, Particles & Fields;	3.58	549	0.18
13	A.M. Badescu; T. Petrescu; O. Fratu, A. Saftoiu; I. Brancus; B. Mitrica; O. Sima; I. Lazanu; S. Halunga; G. Toma, 2012, Radio propagation environment analysis for neutrino radio detection in salt mines, Proc.of the 2nd Int. Conf. on Technology and Instrumentation in Particle Physics (TIPP 2011); Book Series: Physics Procedia; Vol: 37 Pag. 1273-1278; DOI: 10.1016/j.phpro.2012.02.464, Accession Number: WOS:000312408100163; ISSN: 1875-3892; Publisher Elsevier Science, Amsterdam, Olanda; Research Areas: Physics; Web of Science Categories: Physics, Applied; Physics, Particles & Fields;	0.25	10	3.00

14	A.M. Badescu, V. Savu, O. Fratu, S. Halunga, A. Saftoiu, I. Brancus, G. Toma, D. Stanca, 2013, A wireless network in an unconventional media, Wireless Communication, Vehicular Technology, Information Theory and Aerospace & Electronic Systems Technology (Wireless VITAE), 3th International Conference on, 24-28 Jun. 2013, Atlantic City, USA, 5 pag. ISBN: 978-1-4799-0237-8; INSPEC Accession Number: 13826162; WOS:000330140600019; Publisher IEEE, New York, SUA; Research Areas:Computer Science; Engineering; Telecommunications; Web of Science Categories:Computer Science, Information Systems; Engineering, Electrical & Electronic; Telecommunications	0.25	5	6.00
Total:				A21
Factor de impact cumulat pentru publicatii:				287.80
Factor de impact cumulat pentru publicatii:		20.642		

A2.2 Articole in reviste si in volumele unor manifestari stiintifice indexate in alte baze de date internationale (BDI)

Nr. Crt.	Referinta bibliografica	Numar autori n_i	Indicator	BDI
1	A.M. Badescu, 2015, Studies on solar power satellites with downconverters solar cells, International Journal of Ambient Energy, 10 pag., DOI: 10.1080/01430750.2015.1086672, http://www.tandfonline.com/doi/full/10.1080/01430750.2015.1086672 , ISSN 0143-0750; Taylor & Francis Group, UK; https://scholar.google.ro/citations?view_op=view_citation&hl=en&user=iZ3REV_sAAAAJ&cstart=40&citation_for_view=iZ3REV_sAAAAJ:M3NEmzRMiKIC	1	20	Scopus; Inspec; Google Scholar
2	A.M. Badescu, Dragos Matei, 2015, A ten element radio interferometer design, Proceedings of IEEE 4th Asia-Pacific Conference on Antennas and Propagation, June 30 – July 3, Bali, Indonezia, ISBN: 978-1-4799-8896-9, pag. 167-168; DOI: 10.1109/APCAP.2015.7374316; INSPEC Accession Number: 15698192	2	10	IEEE Xplore
3	A.M. Badescu, 2012, A comparison of different modulation techniques performances in an underground multiuser communications scenario, Annales UMCS, Informatica. Vol. 12, no 2, pag. 73–85, ISSN (Online) 2083-3628, ISSN (Print) 1732-1360, DOI: 10.2478/v10065-012-0015-1, Publisher: Wydaw. Uniwersytetu Marii Curie-Sklodowskiej, http://journals.umcs.pl/ai/article/view/3350 ; https://scholar.google.ro/citations?view_op=view_citation&hl=en&user=iZ3REV_sAAAAJ&cstart=40&citation_for_view=iZ3REV_sAAAAJ:hqOjcs7Dif8C	1	20	Google Scholar
4	A.M. Badescu, T. Petrescu, O. Fratu, A. Saftoiu, I. Brancus, B. Mitrica, O. Sima, I. Lazanu, S.Halunga, G. Toma, 2011, Propagation Effects on Radio Signals Emitted in Salt by Neutrino-Induced Electromagnetic Showers, Proceedings of the 21st International Conference Radioelektronika, pag 1-4, 19-20 April, Brno, Czech Republic, ISBN: 9781612843223; INSPEC Accession Number: 12086461; DOI:10.1109/RADIOELEK.2011.5936405	10	2	IEEE Xplore
5	A.M. Badescu, S. Halunga, T. Petrescu, O. Fratu, A. Saftoiu, 2010, A comparison between Performances of QPSK and 16QAM signals for a Underground Multiuser Scenario, Proceedings of The Fifth International Multi-Conference on Computing in the Global Information Technology ICCGI 2010, Sept. 20-25, Valencia, pag. 268-273, ISBN 978-0-7695-4181-5; INSPEC Accession Number:11648795	5	4	IEEE Xplore
6	A.M. Badescu, O. Fratu, S. Halunga, I. Marcu, 2009, Consideration on Wave Propagation in Underground Dielectrics, Proceedings of Loughborough Antennas & Propagation Conference, Loughborough, UK; ISBN: 978-1-4244-2720-8; pag. 377 - 380; INSPEC Accession Number: 11008727; DOI: 10.1109/LAPC.2009.5352370	4	5	IEEE Xplore
7	A.M. Badescu, Dragos Matei, 2015, A baseline design for a radio interferometer, Proceedings of IEEE APWC & IEEE-APS Topical Conference on Antennas and Propagation in Wireless Communication, 07-11 September, Torino, Italy; ISBN 978-1-4799-7808-3; pag. 105-108; INSPEC Accession Number: 15525058; DOI:10.1109/APWC.2015.7300145	2	10	IEEE Xplore
8	A.M. Badescu, C.E. Stefan, A. Saftoiu, I. Brancus, B. Mitrica, 2014, Performances of the radio chain in a high energy particle detector, Proceedings of 10th International Conference on Wireless Communications, Networking and Mobile Computing, Beijing, 27-28 Oct, ISBN: 978-1-84919-845-5, pag 316-321, INSPEC Accession Number: 14854201; DOI:10.1049/ic.2014.0120	5	4	IEEE Xplore
9	A.M. Badescu, T. Petrescu, I. Marcu, O. Fratu, S. Halunga, 2011, Propagation Effects in Synchronous Underground CDMA Systems, Proceedings of 10th International Conference On Telecommunications in Modern Satellite, Cable and Broadcasting Services, vol. 1, ISBN 978-1-4577-2016-1, pag.156-159, 5-8 October, Nis, Serbia; INSPEC Accession Number:12444153	5	4	IEEE Xplore
10	A.M. Badescu, I. Marcu, T. Petrescu, S. Halunga, O. Fratu, 2011, Facilities of Digital Modulation Techniques and Conversion Schemes in Underground Multiuser Systems, Proceedings of International Conference EUROCON 2011 and CONFTELE 2011, April 27-29, Lisabona, pag. 1-4 ISBN: 978-1-4244-7486-8; INSPEC Accession Number: 12075562	5	4	IEEE Xplore
Total:			A22	
Total:			83	

A2. Granturi / proiecte castigate prin competitie

A2.4.1.1 Director/ responsabil - internationale

Nr. Crt.	Date proiect	Numar ani n_i	Indicator
1	A.M. Badescu (Director de proiect), "A quintessential Universe", nr. 42194 din 01.08.2013; proiect de cercetare partener unic UPB, finantator JTF (SUA), 30 luni, urmare apel din octombrie 2012, desfasurat prin centrul de cercetare 3CPS(ETTI)	2.5	50
Total:			A2311
Total:			50

A2.4.2.1 Membru in echipa - internationale

Nr. Crt.	Date proiect	Numar ani n_i	Indicator
1	I. Brincus, ...A.M. Badescu...AugerNext (contract nr. 1 ASPERA2 ERA-NET-proiect tip FP7) (2012-2015)	3	12
Total:			A2321
Total:			12

A2.4.2.2 Membru in echipa - nationale

Nr. Crt.	Date proiect	Numar ani n_i	Indicator
1	I. Brincus, ...A.M. Badescu, ..."Investigation of the cosmic radiation in the Universe using advanced techniques (CORONA)", http://muon1.nipne.ro/~corona/RO/ , PN-II-PT-PCCA-2011-3.1-1307 - 194/2012 (2012-2015)	3	6
2	O. Fratu, ... A.M. Badescu, ...,"Sisteme de detectie pentru radiatia cosmica folosind noi tehnologii (DETCOS)", http://muon1.nipne.ro/~detcos/ , contract nr.1282-104/01.10.2008, proiect de cercetare PNCDI II de tip parteneriat, 2008-2011	3	6
3	O. Fratu, ...A.M. Badescu, ...,"Sistem de Acces Wireless Hibrid cu Adresare Unica (SAWHAU)", contract nr. 12-126/01.10.2008, proiect de cercetare PNCDI II de tip parteneriat, 2008-2011	3	6
4	O. Fratu, ... A.M. Badescu, ...,"Sistem informatic pentru analiza in timp real a factorilor de risc pentru mediu si sanatate publica" (TERRA-RO), http://www.nem-pt.ro/ro/proiect/terra-ro.php , contract nr. 11-054 / 18.09.2007, proiect de cercetare PNCDI II de tip parteneriat 2007-2010	3	6
5	S. Halunga... A.M. Badescu,..."Contributii la dezvoltarea algoritmilor de prelucrare si codare a semnalelor video in sistemele wireless multiutilizator prin optimizarea parametrilor de calitate psihoperceptuala" PNCDI II -Idei, CNCSIS contract nr 1695/2009, 2009-2011	3	6
Total:			A2322
Total:			30

Total A2:	462.8
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A3 Recunoasterea si impactul activitatii

A3.1 Citari in carti, reviste si volume ale unor manifestari stiintifice

A3.1.1 Citari reviste si volume ISI

Nr. citare	Referinta bibliografica a publicatiei k care citeaza	Nr. Autori	Indicatori
	A Saftoiu; O Sima; H Rebel; AM Badescu ; IM Brancus; A Haungs; I Lazanu; B Mitrica; D Stanca; G Toma, Studies of radio emission from neutrino induced showers generated in rock salt, Astropart. Phys, vol 46, pag 1-13, DOI: 10.1016/j.astropartphys.2013.04.002; 2013, Accession Number: WOS:000321475900001; ISSN: 0927-6505; Publisher Elsevier Science, Amsterdam, Olanda	10.00	
1	Mitrica, Bogdan; Stanca, Denis; Brancus, Iliana, Margineanu, R; Blebea-Apostu, AM; Gomoiu, C; Saftoiu, A; Toma, G; Rebel, H; Haungs, A; Sima, O; Gherghel-Lascu, A; Niculescu-Oglintzanu, M; New cosmic rays experiments in the underground laboratory of IFIN-HH from Slanic Prahova, Romania (Edited by: Trache, L; Chesneanu, D; Ur, CA); Exotic nuclei and nuclear/particle astrophysics (V). Frpm nuclei to stars; Book Series: AIP Conference Proceedings; Vol 1645 Pag 188-196; DOI: 10.1063/1.4909574, 2015, Publisher Amer Inst Phys, NY, USA, Accession Number: WOS:000354638700019 ; ISBN:978-0-7354-1284-2 [citeaza la referinta 20]		0.80
	A.M. Badescu ; T. Petrescu; O. Fratu, A. Saftoiu; I. Brancus; B. Mitrica; O. Sima; I. Lazanu; S. Halunga; G. Toma, 2012, Radio propagation environment analysis for neutrino radio detection in salt mines, Proc.of the 2nd Int. Conf. on Technology and Instrumentation in Particle Physics (TIPP 2011); Book Series: Physics Procedia; Vol: 37 Pag. 1273-1278; DOI: 10.1016/j.phpro.2012.02.464, Accession Number: WOS:000312408100163; ISSN: 1875-3892; Publisher Elsevier Science, Amsterdam, Olanda; Research Areas:Physics; Web of Science Categories:Physics, Applied; Physics, Particles & Fields;	10.00	
1	Mitrica, Bogdan; Stanca, Denis; Brancus, Iliana, Margineanu, R; Blebea-Apostu, AM; Gomoiu, C; Saftoiu, A; Toma, G; Rebel, H; Haungs, A; Sima, O; Gherghel-Lascu, A; Niculescu-Oglintzanu, M; New cosmic rays experiments in the underground laboratory of IFIN-HH from Slanic Prahova, Romania (Edited by: Trache, L; Chesneanu, D; Ur, CA); Exotic nuclei and nuclear/particle astrophysics (V). From nuclei to stars; Book Series: AIP Conference Proceedings; Vol 1645 Pag 188-196; DOI: 10.1063/1.4909574, 2015, Publisher Amer. Inst Phys, NY, SUA, Accession Number: WOS:000354638700019 ; ISBN:978-0-7354-1284-2 [citeaza la referinta 21]		0.80
2	V. Savu; R. Craciunescu; O. Fratu; I. Marghescu, 2013, Cosmic Radiation Detector Performances in Salt Mines, 11th International Conference on Telecommunications in Modern Satellite, Cable and Broadcasting Services (TELSIKS), pag. 631-634; 2013; Accession Number: WOS:000335919700123 ; ISBN:978-1-4799-0902-5; 978-1-4799-0899-8 [citeaza la referinta 6]		0.80
	A.M. Badescu , T. Petrescu, A.Saftoiu, O.Fratu, I. Brancus, B. Mitrica, O. Sima, S. Halunga, G. Toma, I. Lazanu, 2012, Considerations on a large scale neutrino detector in a salt dome, Romanian Reports in Physics, vol. 64, no. 3, 815-824, ISSN 1221-1451, Accession Number: WOS:000308975300017	10.00	
1	V. Savu, R. Craciunescu; O. Fratu; I Marghescu, 2013Cosmic Radiation Detector Performances in Salt Mines, 11th International Conference on Telecommunications in Modern Satellite, Cable and Broadcasting Services (TELSIKS), pag. 631-634; Accession Number: WOS:000335919700123 ; ISBN:978-1-4799-0902-5; 978-1-4799-0899-8 [citeaza la referinta 5]		0.80
	A.M. Badescu , A. Saftoiu, O. Fratu, I., Brancus, B., Mitrica, O., Sima, S., Halunga, G., Toma, I, Lazanu, 2012, Radio technique for investigating high energy cosmic neutrinos, Rom. Rep. Phys, vol. 64 nr.1, pag. 281-293, Accession Number: WOS:000302105700025; ISSN: 1221-1451	9.00	
1	V. Savu, R. Craciunescu; O. Fratu; I Marghescu, 2013Cosmic Radiation Detector Performances in Salt Mines, 11th International Conference on Telecommunications in Modern Satellite, Cable and Broadcasting Services (TELSIKS), pag. 631-634; Accession Number: WOS:000335919700123 ; ISBN:978-1-4799-0902-5; 978-1-4799-0899-8 [citeaza la referinta 4]		0.89
2	Sterian, P., Realistic Approach of the Relations of Uncertainty of Heisenberg, Adv. In high energy phys., Article Number: 872507; DOI: 10.1155/2013/872507, 2013, Accession Number: WOS:000314543900001 ; ISSN: 1687-7357 [citeaza la referinta 11]		0.89
	A.M. Badescu , O. Fratu, A. Frujină, S. Halunga, I. Marcu, Wireless Sensor Network for wildlife monitoring, 2011, Environmental Engineering and Management Journal; volume 10, No.11, 1625-1634; Accession Number: WOS:000298662900003, ISSN: 1582-9596	5.00	
1	D Lutic; I Cretescu, Detection of soot particles using a resistive transducer based on thermophoresis, Environmental Engineering and Management Journal, Volume: 13 no: 9 Pag: 2253-2259, 2014, Accession Number: WOS:000347161400017 , [citeaza la referinta 12]		1.60
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P Abreu, AM Badescu, ..., Antennas for the detection of radio emission pulses from cosmic-ray induced air showers at the Pierre Auger Observatory, J of instr., vol 7, P10011, DOI: 10.1088/1748-0221/7/10/P10011, 2012, Accession Number: WOS:000310834800021 , ISSN: 1748-0221			516.00	
1	PA Bezyazeev, NM Budnev, OA Gress, A Haungs, R Hiller, T Huege, Y Kazarina, M Kleifges, EN Konstantinov, EE Korosteleva, D Kostunin, O Kroemer, LA Kuzmichev, E Levinson, N Lubsandorzhev, RR Mirgazov, R Monkhoev; A Pakhorukov; L Pankov; VV Prosin, GI Rubtsov; C Ruhle, FG Schroder, R Wischnewski, A Zagorodnikov, Measurement of cosmic-ray air showers with the Tunka Radio Extension (Tunka-Rex), Nucl. Instr & Meth A, vol 802, pag: 89-96, DOI: 10.1016/j.nima.2015.08.061, 2015, Accession Number: WOS:000362283200013 , ISSN: 0168-9002 [citeaza la referinta 1]			0.02
2	L Martin, Investigating the extensive air shower properties: Tackling the challenges of the next generation cosmic ray observatory with the CODALEMA experiment, Nucl Instr & Meth A, vol 742, pag. 107-114, DOI: 10.1016/j.nima.2013.12.024, 2014, Accession Number: WOS:000333778100018 , ISSN: 0168-9002 [citeaza la referinta 1]			0.02
Total:				A311
Total:				22.66
Numar citari ISI:			16	

A3.1.2 Citari BDI

Nr. citare	Referinta bibliografica a publicatiei k care citeaza	nr autori	indicatori
S. V. Halunga, O. Fratu, I. Marcu, A.M. Badescu, E. Popovici, D. N. Vizireanu, Performance Evaluation of Conventional and MMSE Multiuser Detection Algorithms with Different Spreading Signature Codes, Proceedings of International Conference EUROCON 2011 and CONFTELE 2011, April 27-29, 2011, IST Congress Center, Lisbon - PORTUGAL, DOI: 10.1109/EUROCON.2011.5929373		6	
1	Marcu, I.I.; Voicu, C.; Halunga, S.V., Superimposed effects of signature sequences and LDPC technique in faded CDMA multiuser systems, Signals, Circuits and Systems (ISSCS), 2015 International Symposium on, pag.: 1 - 4; INSPEC Accession Number: 15382538 [citeaza la referinta 11]	BDI IEEEExplore	0.67
2	Vulpe, A.; Fratu, O.; Craciunescu, R., Performance evaluation of heterogeneous interworking using IEEE 802.21, Telecommunications Forum (TELFOR), 2012 20th, pag: 498 - 501, INSPEC Accession Number: 13264999 [citeaza la referinta 3]	BDI IEEEExplore	0.67
3	Craciunescu, R.; Halunga, S.; Fratu, O., Guard Interval effects on OFDM /BPSK transmissions over fading channels, Telecommunications Forum (TELFOR), 2012 20th, On page(s): 471 - 474, INSPEC Accession Number: 13264992 [citeaza la referinta 6]	BDI IEEE Explore	0.67
P Abreu, AM Badescu, ..., Antennas for the detection of radio emission pulses from cosmic-ray induced air showers at the Pierre Auger Observatory, J of instr., vol 7, P10011, DOI: 10.1088/1748-0221/7/10/P10011, 2012, Accession Number: WOS:000310834800021 , ISSN: 1748-0221		516	
1	AD Filonenko, 2015, Radio emission from extensive air showers, Phys-Uspekhi, vol 58, 7, 673-716, DOI: 10.3367/UFNr.0185.201507a.0673, http://iopscience.iop.org/article/10.3367/UFNr.0185.201507a.0673/meta;jsessionid=9B2724802DF9F4BCC0FC82C2330FEE2C.e2.iopscience.cld.iop.org, ISSN: 1063-7869 [citeaza la referinta 4]	Scopus	0.008
Total:			A312
Total:			2.008
Numar citari BDI:		4	
Total A 3.1			A31
Numar citari ISI + BDI:		20	24.67

A3.2 Prezentari invitate in plenul unor manifestari stiintifice nationale si internationale si Profesor Invitat

A3.2.1 Internationale

Nr. Crt.	Detalii invitatie	Indicator
1	Prelegere stiintifica (profesor invitat A.M. Badescu) "Detection of cosmic radiation using new technologies", Seikei University (Tokyo, Japan), 24.11.2010	10
2	Prelegere invitată (seminar stiintific) "Studies on lateral distribution of radio signal", Karlsruhe Institute of Technology (Karlsruhe, Germania), 30.11.2010	10

Total:	A321
	20

Total A 3.2	20
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A3.3.2 Membru in colectivele de redactie sau comitete stiintifice al revistelor, organizator de manifestari stiintifice,internationale indexate BDI

Nr. Crt.	Detalii revista	indicator
1	Chair person- IEEE 4th Asia-Pacific Conference on Antennas and Propagation, June 30 – July 3, 2015, Bali, Indonezia; Sesiune "Antenna Arrays and Systems"	6
2	Chair person IEEE 10th International Conference on Wireless Communications, Networking and Mobile Computing, Beijing, 27-28 Oct 2014; Sesiune "Wireless networks section"	6
Total:		A332
		12

A3.3.3 Recenzor pentru reviste si manifestari stiintifice nationale si internationale neindexate

Nr. Crt.	Detalii revista	indicator
1	Revizor la conferința internațională "International conference on localization and GNSS" (Barcelona, 28-30 iunie 2016)	3
2	Revizor la Modern Internet of Things (MIOT), American V-King Scientific Publishing Company (începând cu 2013)	3
Total:		A333
		6

Total A 3.3	18
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A3.4 Premii

A.3.4.1.Premii Internationale

Nr. Crt.	Detalii premii	Indicator
1	Premiul "Best young scientist", 21st International conference Radioelektronika, Brno, Czech Republic, 20 aprilie 2011	15
2	Premiul "Best Paper", Intl. Conf on Electrical, Electronics, and Instrumentation Engineering, Colombo, Sri Lanka, 20-22 Aug 2015	15
Total:		A341
		30

Premii nationale in domeniu

Nr. Crt.	Detalii premii	Indicator
1	A.M. Badescu & A. Saftoiu, 2014, Radio-Wave Propagation in Salt Domes: Implications for a UHE Cosmic Neutrino Detector, Advances in High Energy Physics, Vol. 2014, http://dx.doi.org/10.1155/2014/901434 , ISSN 1687-7357 (zona galbena) [WOS:000330760500001]; PN-II-RU-PRECISI-2014-8-5193 (premiu UEFISCDI)	5
2	A.M. Badescu, L. Cotofana, 2015, A wireless sensor network to monitor and protect tigers in the wild, Ecological Indicators, vol 57, pag 447-451, ISSN-1470160X, (zona rosie) [WOS:000358091800049] PN-II-RU-PRECISI-2015-9-7948 (premiu UEFISCDI)	5
3	A.M. Badescu, 2013, Considerations on an underground neutrino radio detector in salt, JINST 8 P03010 doi:10.1088/1748-0221/8/03/P03010, ISSN 1748-0221 (zona rosie) [WOS:000316990700035]; PN-II-RU-PRECISI-2013-7-2154 (premiu UEFISCDI)	5
Total:		A342
		15

Total A 3.4	45
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Total A3:	107.67
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