

FISA DE VERIFICARE a indeplinirii standardelor minime pentru titlul de profesor universitar: BECHET PAUL

Comisia: Inginerie electrica

Domeniul activitatii	Tipul activitatii	Categorii	Subcategorii	Criteriu	Indicatori	Realizat
Activitatea didactica si profesionala	Carti si capitole în carti de specialitate	carti cu ISBN (min. 4 carti: realizat 7)	internationale	1.1.1.1	nr. pag/ (2* nr. autori)	1.80
			nationale	1.1.1.2	nr. pag/ (5* nr. autori)	103.10
		carti editor /coordonator	internationale	1.1.2.1	nr. pag/ (3* nr. autori)	0.00
			nationale	1.1.2.2	nr. pag/ (7* nr. autori)	0.00
	Suport didactic	Suport curs inclusiv electronic (min. 2 - 1 prim autor: realizat 5)		1.2.1	nr. pag/(10 * nr.autori)	45.16
		Indrumar laborator (min. 2 - 1 prim autor: realizat 3 din care 2 prim autor)		1.2.2	nr. pag/ (20 *nr. autori)	6.53
	Coordonare programe (POS, ERASMUS, etc)	Punctaj unic pentru fiecare activitate		1.3.1	10	0.00
Total 1					min. 80	156.58
Activitatea de cercetare	Articole in reviste cotate ISI sau indexate ISI proceedings	min. 8: realizat 29		2.1	(25+20*f. impact)/ nr. autori	348.49
	Articole in reviste, volume manifestari stiintifice in baze de date internationale (BDI)	min. 16: realizat 33		2.2	20/ nr. autori	221.55
	Granturi / proiecte castigate prin competitie	director/ responsabil - (min. 2: realizat 7)	internationale	2.3.1.1	20* nr. ani	0
			nationale	2.3.1.2	10* nr. ani	200.00
		membru	internationale	2.3.2.1	4* nr. ani	0.00
			nationale	2.3.2.2	2* nr. ani	28.00
	Contracte (min 2000 EU)	Responsabil		2.4.1	5* nr. ani	0.00
Membru		2.4.2	2* nr. ani	0.00		
Total 2					min. 300	798.04

Domeniul activitatii	Tipul activitatii	Categorii	Subcategorii	Criteriu	Indicatori	Realizat
Recunoastere si impactul activitatii	Citări reviste, volume ISI si BDI	40 de citari	ISI	3.1.1	5/nr. autori	82.08
		62 de citari	BDI	3.1.2	3/nr. autori	75.05
	Prezentari invitate in plen manifestari si profesor invitat (exclusiv ERASMUS, POS)	Punctaj unic pentru fiecare activitate	internationale	3.2.1	20	20.00
			nationale	3.2.2	5	0
	Membru colective de redactie, comitete stiintifice, organizator manifestari stiintifice indexate, recenzor reviste	Punctaj unic pentru fiecare activitate	ISI	3.3.1	10	10.00
			BDI	3.3.2	6	6.00
			nationale neindexate	3.3.3	3	3.00
	Experienta de management	Conducere - rector, prorector, decan prodecan, director departament		3.4.1	5*nr. ani	0.00
		membru organigrama (senat, consiliu facultate, departament)		3.4.2	2*nr. ani	4.00
	Referent in comisii de doctorat	internationale		3.5.1	10	0.00
		nationale		3.5.2	5	20.00
	Premii in domeniu	Academia Romana		3.6.1	30	30.00
		ASAS, AOSR, academii ramura si CNCS		3.6.2	15	90.00
		internationale		3.6.3	10	0.00
		nationale		3.6.4	5	15.00
	Membru in academii, asociatii profesionale, consilii organizatii in domeniul educatiei si cercetarii	Academia Romana		3.7.1	100	0.00
		ASAS, AOSR, academii ramura si CNCS		3.7.2	30	0.00
		Conducere asociatii	internationale	3.7.3	30	0.00
			nationale	3.7.3	10	0.00
		Asociatii profesionale	internationale	3.7.4	5	0.00
			nationale	3.7.5	2	2.00
		Consilii organizatii in domeniul educatiei si cercetarii	internationale	3.7.6	15	0.00
nationale	3.7.7		10	0.00		
Total 3					min. 60	357.13
Total 1+2+3				min.	440	1311.75

Activitate didactica si profesionala (criteriul 1.1.1.1)

Nr. Crt.	Referinta	Nr. pag.	Nr. Autori	Punctaj
1	Bechet P. , Bouleanu I., Neagu A.M., Helbet R., Hangan A., <i>Optimizing the positioning of MIMO and SISO systems in indoor environments</i> , chapter in Ultra-Wideband, Short Pulse Electromagnetics 9, ISBN 978-0-387-77844-0, Springer (pages 19-27), 2010.	8	5	0.8
2	Dan Iudean, Radu adrian Munteanu, Paul Bechet , Alexandru Cretu, <i>Reliability Indicators and a Failure Mode and Effect Analysis Calculation for a Holter Recorder</i> , chapter in book: International Conference on Advancements of Medicine and Health Care through Technology; 5th – 7th June 2014, Cluj-Napoca, Romania, pp.113-118	5	4	0.625
3	Munteanu M., Bechet P. , Rusu C., Amza C. G., <i>Application of Virtual Instrumentation for Transmitting and Processing ECG Signals</i> , Chapter in IFMBE proceedings 44:215-218 · January 2014, DOI: 10.1007/978-3-319-07653-9_43	3	4	0.375
Total 1.1.1.1				1.80

Activitate didactica si profesionala (criteriul 1.1.1.2)

Nr. Crt.	Referinta	Nr. pag.	Nr. Autori	Punctaj
1	Bechet P. , Munteanu A.R., Bouleanu I., Munteanu M., Mitran R., <i>Compatibilitatea electromagnetica în medii de comunicatii radio</i> , Editura Academiei Române, ISBN 978-973-27-1921-3, 2010 (315 pagini).	315	5	12.6
2	Munteanu R., Mitran R., Bechet P. , <i>Metode numerice pentru detectia semnalelor radio</i> , Editura MediaMira, ISBN 978-973-713-309-0, Cluj-Napoca, 2013 (158 pagini).	158	3	10.5333
3	Bechet P. , <i>Sintetizoare de frecvență</i> , Editura Academiei Forțelor Terestre, Sibiu, 2001, ISBN 973-8088-61-5 (190 pagini).	190	1	38
4	Făgădar E., Bechet P. , Bora M., David A., Popa M., <i>Resurse și capabilități ale sistemelor de comunicatii militare</i> , Editura Academiei Forțelor Terestre, Sibiu, 2006, ISBN 973-7809-54-8 (92 pagini).	92	5	3.68
5	Bechet P. , Mitran R., Bora M., Tufis M., <i>Comunicatii radio numerice</i> , Editura Pro Transilvania, Bucuresti, 2005, ISBN 973-715-044-9 (215 pagini).	215	4	10.75
6	Tufis M., Bechet P. , <i>Propagarea radiatiei electromagnetice prin fibre optice</i> , Editura Pro Transilvania, Bucuresti, 2005, ISBN 978-973-715-102-5 (152 pagini).	152	2	15.2
7	Bechet P. , David A., Mitran R., <i>Managementul resurselor în medii de comunicatii standardizate</i> , Editura Arhip Art, Sibiu, 2007, ISBN 973-8962-13-7 (185 pagini).	185	3	12.3333
Total 1.1.1.2				103.10

Activitate didactica si profesionala (criteriul 1.2.1)

Nr. Crt.	Referinta	Nr. pag.	Nr. Autori	Punctaj
1	Popa M., Bechet P. , Bădescu C., Bora M., <i>Comunicații militare</i> , Editura Academiei Academiei Forțelor Terestre, Sibiu, ISBN 973-8088, 2005 (245 pagini)	245	4	6.125
2	Bechet P. , <i>Transmisiuni radio</i> , Editura Academiei Forțelor Terestre, Sibiu, 1996 (102 pagini).	102	1	10.2
3	Burlacu Ș., Bechet P. , <i>Curs de comunicații militare</i> , volumul II, Editura Academiei Academiei Forțelor Terestre, Sibiu, 2000 (310 pagini).	310	2	15.5
4	Burlacu Ș., Bechet P. , Bădescu C., <i>Curs de comunicații militare</i> , volumul I, Editura Academiei Academiei Forțelor Terestre, Sibiu, 1999 (155 pagini)	155	3	5.166667
5	Popa M., Bădescu C., Bechet P. , <i>Bazele comunicațiilor</i> , Editura Academiei Forțelor Terestre, Sibiu, 1999 (245 pagini).	245	3	8.166667
Total 1.2.1				45.16

Activitate didactica si profesionala (criteriul 1.2.2)

Nr. Crt.	Referinta	Nr. pag.	Nr. Autori	Punctaj
1	Bechet P., Mitran R., Popa M., <i>Comunicații radio numerice – Aplicații</i> , Editura Academiei Forțelor Terestre, Sibiu, 2006, ISBN 973-7809-52-1 (78 pagini)	78	3	1.3
2	Bora M., Bechet P., Bouleanu I., Goia Gh., Durdun D., Popescu I., <i>Rețeaua militară națională de comunicații - componenta strategică</i> , Școala de Aplicație pentru Transmisiuni, Informatică și Război Electronic, Sibiu, 2004 (155 pagini).	155	6	1.2917
3	Bechet P., Goia Gh., Teodorescu M., Bora M., <i>Rețele și echipamente radio cu salt de frecvență în gama VHF</i> , Școala de Aplicație pentru Transmisiuni, Informatică și Război Electronic, Sibiu, 2004 (315 pagini).	315	4	3.9375
Total 1.2.2				6.53

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

Nr. Crt.	Referinta	Nr. autori	Factor impact	Punctaj
1	P. Bechet , S. Miclaus, A.C. Bechet, <i>Improving the Accuracy of Exposure Assessment to Stochastic-like Radiofrequency Signals</i> , IEEE TRANSACTIONS ON ELECTROMAGNETIC COMPATIBILITY Volume: 54 Issue: 5 Pages: 1169-1177 DOI: 10.1109/TEMC.2012.2191290 Published: OCT 2012	3	1.327	17.18
2	Simona Miclaus, Paul Bechet , <i>Comparative characterization of the electromagnetic near field radiated by mobile phones in GSM and UMTS communication technologies</i> , The 8th International Conference EPE 2014, Romania, Iasi 16-18 october 2014	2	0	12.50
3	Paul Bechet , Simona Miclaus, Dimitrios Stratakis, Andreas Miaoudakis, <i>Electromagnetic field strength distribution in Wi-Fi signals covered areas: an experimental analysis of the variables that influence the exposure levels</i> , The 8th International Conference EPE 2014, Romania, Iasi 16-18 october, 2014.	4	0	6.25
4	A.M. Paljanos, S. Miclăuș, P. Bechet , C. Munteanu, <i>Assessment of mobile phone user exposure to UMTS and LTE signals: Comparative near field radiated power levels for various data and voice application services</i> , Journal Of Electromagnetic Waves And Applications, doi: 10.1080/09205071.2016.1167634, 2016	4	0.726	9.88
5	Simona Miclaus, Paul Bechet , Jolanta Karpowicz, <i>Experimental determination of human exposure in the near field of VHF sources: Correlations between incident field strength and currents induced in lower legs of persons</i> , Advanced Topics in Electrical Engineering (ATEE), 2015 9th International Symposium, 2015.	3	0	8.33
6	P. Bechet , S. Miclaus, A.C. Bechet, <i>An analysis of the dependence of the electromagnetic exposure level in indoor environment on traffic direction, instantaneous data rate and position of the devices in a WLAN network</i> , MEASUREMENT, doi:10.1016/j.measurement.2015.02.035, Volume 67, May 2015, Pages 34–41.	3	1.526	18.51
7	Miclaus S., Bechet P. , Stratakis D., <i>Exposure levels due to WLAN devices in indoor environments corrected by the time-amplitude distribution factor of the quasi-stochastic signals</i> , RADIATION PROTECTION DOSIMETRY (2014) 162 (4): 536-543, first published online March 2, 2014 doi:10.1093/rpd/ncu038	3	0.861	14.07
8	S. Miclaus, P. Bechet , <i>Electromagnetic field strength in the proximity of WLAN devices during data and video files transmission</i> , Electronics Letters, Volume 50, Issue 19, 11 September 2014, p. 1397 – 1399, DOI: 10.1049/el.2014.0834.	2	1.068	23.18
9	P. Bechet , R. Mitran, and M. Munteanu, <i>A non-contact method based on multiple signal classification algorithm to reduce the measurement time for accurately heart rate detection</i> , Review of Scientific Instruments 84, 084707 (2013)	3	1.584	18.89
10	P. Bechet , S. Miclaus, <i>An improved procedure to accurately assess the variability of exposure to electromagnetic radiation emitted by GSM base station antennas</i> , MEASUREMENT SCIENCE & TECHNOLOGY Volume: 24 Issue: 1 Article Number: 015003 DOI: 10.1088/0957-0233/24/1/015003 Published: JAN 2013	2	1.352	26.02
11	S. Miclaus, P. Bechet , M. Gheorghevi, <i>Long-term exposure to mobile communication radiation: an analysis of time-variability of electric field level in GSM900 Downlink channels</i> , RADIATION PROTECTION DOSIMETRY Volume: 154 Issue: 2 Pages: 164-173 DOI: 10.1093/rpd/ncs169 Published: APR 2013	3	0.861	14.07

12	S. Miclaus, P. Bechet , C. Iftode, <i>The application of a channel-individualized method for assessing long-term, realistic exposure to radiofrequency radiation emitted by mobile communication base station antennas</i> , MEASUREMENT Volume: 46 Issue: 3 Pages: 1355-1362 DOI: 10.1016/j.measurement.2012.11.040 Published: APR 2013	3	1.526	18.51
13	Mitran R., Bechet P. , <i>Measurement settings influence upon energy detection of TETRA signals</i> , ADVANCES IN ELECTRICAL AND COMPUTER ENGINEERING Volume: 10 Issue: 3 Pages: 92-95 DOI: 10.4316/AECE.2010.03015 Published: 2010	2	0.688	19.38
14	Miclaus S., Bechet P. , Bouleanu I. Helbet R., <i>Radiofrequency field distribution assessment in indoor areas covered by Wireless Local Area Networks</i> , ADVANCES IN ELECTRICAL AND COMPUTER ENGINEERING Volume: 9 Issue: 1 Pages: 52-55 DOI: 10.4316/aece.2009.01009 Published: 2009	4	0.509	8.80
15	S. Miclaus, P. Bechet , <i>Estimated and measured values of the radiofrequency radiation power density around cellular base stations</i> , ROMANIAN JOURNAL OF PHYSICS Volume: 52 Issue: 3-4 Pages: 429-440 Published: 2007	2	0	12.50
16	Bechet P. , Miclaus S., <i>Swept versus Real-Time Spectrum Analyzer ability to accurately assess electromagnetic exposure due to wireless communications signals in the environment: an analysis</i> , Progress in Electromagnetics Research Symposium (PIERS), Marrakesh, MOROCCO, 438-442, Published: 2011.	2	0	12.50
17	Simona Miclaus, Paul Bechet , Mircea Stanic, Cora Iftode, <i>Comparative Preliminary Ionospheric Forecasting In Romania With Data From The European Ionosonde Service Versus Data Extracted From The International Reference Ionosphere Model</i> , International conference KNOWLEDGE-BASED ORGANIZATION, vol. 21, Issue 3, 2015	4	0	6.25
18	Iftode C., Miclaus S, Bechet P. , Surducu E., <i>A TEM Cell Model Analysis for Radiofrequency Dosimetry Improvement by Computational Means</i> , 2011 7TH INTERNATIONAL SYMPOSIUM ON ADVANCED TOPICS IN ELECTRICAL ENGINEERING (ATEE) Book Series: International Symposium on Advanced Topics in Electrical Engineering Published: 2011	4	0	6.25
19	Macovei C. M., Bechet P. , <i>Aspects of the EGO identity development in the forming of the modern officer</i> , 6th International Seminar on the Quality Management in Higher Education Location: Tulcea, ROMANIA, Date: JUL 08-09, 2010	2	0	12.50
20	P. Bechet , S. Miclaus, <i>Comparative study of electromagnetic field around WLAN access points by using swept and real time spectrum analysers</i> , 16TH INTERNATIONAL CONFERENCE THE KNOWLEDGE-BASED ORGANIZATION: APPLIED TECHNICAL SCIENCES AND ADVANCED MILITARY TECHNOLOGIES, CONFERENCE PROCEEDINGS Book Series: Knowledge Based Organization International Conference Pages: 35-40 Published: 2010	2	0	12.50
21	Bechet P. , Lebu A., Ilies I., Bouleanu E. , Babos A, <i>Effects-Based Knowledge Management in Changing Environments Meant to Improve the Information Domain of Communicating Agents</i> , PROCEEDINGS OF THE 10TH EUROPEAN CONFERENCE ON KNOWLEDGE MANAGEMENT , VOLS 1 AND 2 Pages: 75-82 Published: 2009	5	0	5.00
22	S. Miclaus, P. Bechet , <i>Occupational exposure to electromagnetic fields of personnel serving military mobile radio communications: a preliminary study</i> , 15TH INTERNATIONAL CONFERENCE THE KNOWLEDGE-BASED ORGANIZATION: APPLIED TECHNICAL SCIENCES AND ADVANCED MILITARY TECHNOLOGIES, CONFERENCE PROCEEDINGS Book Series: Knowledge Based Organization International Conference Volume: 6 Pages: 82-87 Published: 2009	2	0	12.50

23	Pop O., Lungu S., Chindris G., Bechet P. , <i>Influence of Power Consumption Over the Input Current Harmonics Pollution for a Half-Bridge Power Inverter</i> , 2008 31ST INTERNATIONAL SPRING SEMINAR ON ELECTRONICS TECHNOLOGY: RELIABILITY AND LIFE-TIME PREDICTION Book Series: International Spring Seminar on Electronics Technology ISSE Pages: 662-666 DOI: 10.1109/ISSE.2008.5276584 Published: 2008	4	0	6.25	
24	Barsan G., Bechet P. , Barbu M., <i>A basic theoretical model for elastic-plastic stress analysis of the thick-walled tubes subjected to an internal pressure</i> , ICMT '07: Book Series: INTERNATIONAL CONFERENCE ON MILITARY TECHNOLOGIES Pages: 65-70 Published: 2007	3	0	8.33	
25	Popa M. V., Bechet P. , <i>SAR images processing using Gabor filters and neural networks</i> , ICMT '07: Book Series: INTERNATIONAL CONFERENCE ON MILITARY TECHNOLOGIES Pages: 464-471 Published: 2007	2	0	12.50	
26	Bechet P. , Mitran R., Pop O., Bouleanu I., <i>Measuring adjacent channel power for tactical signals</i> , PROCEEDINGS OF THE XVII INTERNATIONAL CONFERENCE ON ELECTROMAGNETIC DISTURBANCES, EMD 2007 Book Series: International Conference on Electromagnetic Disturbances - Proceedings Pages: 43-48 Published: 2007	4	0	6.25	
27	Neagu A.M., Palade T., Bechet P. , Hangan A., <i>Methods to reduce the ACI level in the GSM system</i> , PROCEEDINGS OF THE XVII INTERNATIONAL CONFERENCE ON ELECTROMAGNETIC DISTURBANCES, EMD 2007 Book Series: International Conference on Electromagnetic Disturbances - Proceedings Pages: 103-108 Published: 2007	4	0	6.25	
28	Bechet P. , Mitran R., S. Miclaus, <i>An analysis of frequency hopping radio networks</i> , 15th International Conference on Electromagnetic Disturbances Location: Bialystok, POLAND Date: SEP 21-23, 2005	3	0	8.33	
29	Bechet P. , Miclaus S., Demeter S., Popa M., Bora M., <i>Continuous and digital modulated radiofrequency fields propagation in planar biological models</i> , 2003 IEEE International Symposium on Electromagnetic Compatibility (EMC), Vol. 1 and 2, Symposium Record Pages: 1241-1244 DOI: 10.1109/ICSMC2.2003.1429143 Published: 2003	5	0	5.00	
Total A2.1				12.03	348.49

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

Nr. Crt.	Referinta	Nr. autori	Punctaj
1	Paul Bechet , Simona Miclaus, Antoniu Miclaus, Cornel Balint, <i>Experimental analysis of noise level and channels availability for high frequency OFDM data transmission in NVIS propagation conditions</i> , International Symposium on Electromagnetic Compatibility - EMC EUROPE, 2016 , pp. 844-849, 2016.	4	5.00
2	Alina-Lacramioara Apreutesei, Antonela Curteza (RO), Annamaria Paljanos , Simona Miclaus, Paul Bechet , George Mihai, Angel Marian Aron, Octavian Baltag, <i>Radiation Reduction Capabilities of Some Woven Fabrics with Metallic Yarns Attached to Mobile Phones Emitting in 2G- and 3G- Communication Standards</i> , EPE 2016, October 22-24 , Iasi, Romania.	8	2.50
3	Simona Miclaus, Paul Bechet , Jolanta Karpowicz, <i>Human Body Coupling to Near Field of VHF Antennas: An Indoor Expo-Dosimetric Survey</i> , EPE 2016, October 22-24 , Iasi, Romania.	3	6.67
4	S Miclaus, P Bechet , <i>Real-time signal analysis for power versus time evolution assessment of mobile phone radiation in the calling initiation period of the GSM versus UMTS communications</i> , Bulgarian Journal of Public Health, vol. 7, 2 Suppl. 1, 2015.	2	10.00
5	Bormpantonaki Prokopios M., Dimitrios I. Stratakis, George N. Mastorakis, Christos N. Skeberis, Constandinos X. Mavromoustakis, Paul Bechet , <i>Exposure EMF measurements with spectrum analyzers using free and open source software</i> , 2016 International Conference on Telecommunications and Multimedia (TEMU), pp. 1-5. 2016.	6	3.33
6	Paul Bechet , Radu Mircea Scortar, Teodor Todorov, Blagovesta Boneva, Simona Miclaus, <i>Design and testing of an automated receiving system for the ionospheric sounding in HF radiofrequency range</i> , Acta Technica Napocensis, vol. 56, Issue 3, 2015.	5	4.00
7	Paul Bechet , Marius Gheorghevici, Radu Mitran, Radu Mircea Scortar, Teodor Todorov, Simona Miclaus, <i>System and Measurements for Analysis of Near Vertical Ionospheric Skywave Propagation in the High Frequency Range</i> , Acta Electrotehnica, vol 56, No 4, 2015.	6	3.33
8	Miclăuș S, Bechet P , Paljanos A, Aron AM, Mihai G, Pătru I, Baltag O, <i>Shielding Effectiveness of Some Conductive Textiles and Their Capability to Reduce the Mobile Phones Radiation</i> , International conference KNOWLEDGE-BASED ORGANIZATION 2016 Jun 1 (Vol. 22, No. 3, pp. 524-530).	7	2.8571
9	Simona Miclaus, Jolanta Karpowicz, Paul Bechet , <i>Empirical Approach of Human Exposure to Near Field of a Biconical Dipole VHF Antenna: An Occupational Safety Perspective</i> , 2016 International Conference on Applied and Theoretical Electricity (ICATE).	3	6.6667
10	Simona Miclaus, Paul Bechet , Jolanta Karpowicz, <i>Limb currents due to electromagnetic influence in the VHF reactive near field: the role of field polarization, exposed persons posture and anthropometric parameters</i> , International Symposium on Fundamentals of Electrical Engineering, International Symposium on Fundamentals of Electrical Engineering 2016.	3	6.6667
11	Iudean, D., R. A. Munteanu, P. Bechet , C. Mureșan, and A. Crețu., <i>Reliability Indicators and a Failure Mode and Effect Analysis Calculation for a Holter Recorder</i> , In International Conference on Advancements of Medicine and Health Care through Technology; 5th–7th June 2014, Cluj-Napoca, Romania, pp. 113-118. Springer International Publishing, 2014.	5	4

12	Munteanu, M., P. Bechet , C. Rusu, D. D. Micu, R. A. Munteanu, R. Moga, and C. Amza, <i>Application of Virtual Instrumentation for Transmitting and Processing ECG Signals</i> , In International Conference on Advancements of Medicine and Health Care through Technology; 5th–7th June 2014, Cluj-Napoca, Romania, pp. 215-218. Springer International Publishing, 2014.	7	2.86
13	Bechet P. , <i>Adaptive organizational models in an informational environment</i> , Buletinul Stiintific al Academiei Fortelor Terestre, 2(36)/2013, ISSN 2247-8396, indexat in ProQuest, EBSCO.	1	20.00
14	Stanic M., Miclaus S., Bechet P. , <i>Near Field Level Assessment of Portable Radiocommunication Equipment For Occupational Exposure Purposes</i> , Proc. of the 5th International Conference on Modern Power Systems, Cluj Napoca, 28-31 May 2013, Acta Electrotehnica, vol. 54, no.5, pp. 459-464, ISSN 1841-3323, 2013.	3	6.67
15	Gheorghevi M., Bechet P. , Miclaus S., Mitran R., <i>An automated electromagnetic field monitoring system based on spectrum analyzer</i> , Proc. of the 5th International Conference on Modern Power Systems, Cluj Napoca, 28-31 May 2013, Acta Electrotehnica, vol. 54, no.5, pp. 199-203, ISSN 1841-3323, 2013.	4	5.00
16	Munteanu M., Micu D., Bechet P. , <i>Gabor Transform Applied for Signal Processing</i> , Proc. of the 5th International Conference on Modern Power Systems, Cluj Napoca, 28-31 May 2013, Acta Electrotehnica, vol. 54, no.5, pp. 199-203, ISSN 1841-3323, 2013.	3	6.67
17	Bechet P. , Miclaus S., <i>Swept versus Real-Time Spectrum Analyzer ability to accurately assess electromagnetic exposure due to wireless communications signals in the environment: an analysis</i> , PIERS Online 7.3 (2011): 276-280, indexat in Google Scholar.	2	10.00
18	Mitran R., Bogdan M., Bechet P. , <i>A Novel Algorithm for Frequency Hopping Detection</i> , International Journal of Research and Reviews in Computer Science (IJRRCS) 2.2 (2011), indexat in ProQuest, Google Scholar.	3	6.67
19	Miclaus S., Bechet P. , <i>Near Field Radiofrequency Metrology and Occupational Exposure Assessment: In Situ Measurements and Accuracy Analysis</i> , Proceedings of the 20th International Conference on Applied Electromagnetics and Communications (ICECOM), Dubrovnik, Croatia, 20-23 Sept. 2010, indexat in Google Scholar, IEEE Xplore.	2	10.00
20	S. Miclăuș, P. Bechet , C. Iftode, <i>Near Field Radiofrequency Measurements for Occupational Exposure Assessment by Personal Exposimeter : Possibilities and Limitations</i> , Proceedings of the 6th International Workshop on Biological Effects of Electromagnetic Fields , Bodrum, Turcia, 10-14 Oct.2010. indexat Google Scholar.	3	6.67
21	Mitran R., Bechet P. , <i>A comparative study regarding radio interception of frequency hoping signals</i> , Revista Academiei Fortelor Terestre Nr. 2 (58)/2010, ISSN 1582-6384, indexat in ProQuest, EBSCO.	2	10.00
22	Bechet P. , Bouleanu I., Neagu A.M., Helbet R., Hangan A., <i>Optimizing the positioning of MIMO and SISO systems in indoor environments</i> , chapter in Ultra-Wideband, Short Pulse Electromagnetics 9, ISBN 978-0-387-77844-0, Springer (pages 19-27), 2010, indexat in IEEE Xplore, Google Scholar.	5	4.00
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26	Neagu A. M., Mitran R., Hangan A., Bechet P. , Bouleanu I., <i>Analysis on the Influence of the Multipath Propagation upon the Spectral Characteristics of GSM Signals</i> , MTA Review nr. 2/2007, pp. 91-100, ISSN 1843-3391, indexat in Google Scholar.	5	4.00
27	Bechet P. , Mitran R., Bouleanu I., Bora M., Popa M., <i>Some Aspects Regarding the Measurement of Adjacent Channel Interference for Frequency Hopping Radio Systems</i> , WSEAS Proceedings Communications 2006, Atena, Grece, july 2006, ISBN 960-8457-37-8 (pp. 290-295), indexat in Google Scholar.	5	4.00
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30	Popa M., Bechet P. , Demeter S., <i>Automatic detection of targets using Gabor filters and neural networks</i> , In: Proceedings of the 2005 WSEAS international conference on Dynamical systems and control. World Scientific and Engineering Academy and Society (WSEAS), 2005, pp. 56-61, indexat in Google Scholar.	3	6.67
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32	Bechet P. , Demeter S., Mitran R., Miclaus S., <i>Some aspects about frequency hopping radio networks</i> , Scientific Bulletin of the Politehnica University of Timisoara, ISSN 1583-3380, ETC. 2004, 22-23 Oct., 2004, pp. 431-433, Index Copernicus Journal Master List.	4	5.00
33	Bechet P. , <i>Reference source noise in frequency synthesizer</i> , Academy of Technical Science of Romania, Technical University of Cluj-Napoca, Acta Electrotehnica, ISSN 1224-2497, Volume 42, number 1, 2001, pp. 61-64, indexat in ProQuest, Google Scholar.	1	20.00
Total A2.2		221.55	

Granturi / proiecte castigate prin competitie - director/responsabil de proiect (criteriul 2.3.1.2)

Nr. Crt.	Referinta	Nr. Ani	Punctaj
1	Proiect de cercetare, programul Parteneriate in domenii prioritare, Predicții de propagare ionosferică și comunicații de bandă largă folosind senzori SDR în gama HF pentru suportul informațional în situații de urgență pe teritoriul României, competitia PCCA 2013, director de proiect	3	30.00
2	Proiect de cercetare exploratorie, Program Idei, Cercetari cu privire la optimizarea capabilitatilor sistemelor radio tactice integrate în medii de comunicatii standardizate, competitie 2007, contract 367/01.10.2007, director de proiect	3	30.00
3	Proiect de cercetare, Programul 4 – Parteneriate în domenii prioritare, Aplicatii inteligente ale senzorilor SAR în domeniul cercetarii electronice (tehnicienilor INT), competitie 2008, responsabil de proiect partener AFT	3	30.00
4	Proiect Cercetare de Excelenta, CERES, Contractul de Finantare Nr. CEEX 05-D11-54-P2/10.10.2005, Cercetari cu privire la interactia bio-electromagnetica si impactul biologic al expunerii umane in campuri electromagnetice de radiofrecventa si microunde, responsabil de proiect partener Centrul de Pregatire pentru Comunicatii si Informatica	3	30.00
5	Proiect Cercetare de Excelenta, CERES, Interactia microundelor cu sisteme moleculare si bio-moleculare, responsabil de proiect partener Centrul de Pregatire pentru Comunicatii si Informatica	3	30.00
6	Proiect Cercetare de Excelenta, SECURITATE, Elaborarea unui instrument decizional destinat optimizarii capabilitatilor pentru actiuni specifice de nivel tactic din domeniul apararii si sigurantei nationale, responsabil de proiect partener Centrul de Pregatire pentru Comunicatii si Informatica	3	30.00
7	Grant CNCISIS tip A, Studiu privind interoperabilitatea sistemelor radio militare, competitie 2004, director de proiect	2	20.00
Total 2.3.1.2			200.00

Granturi / proiecte castigate prin competitie - membru in echipa (criteriul 2.3.2.2)

Nr. Crt.	Referinta	Nr. Ani	Punctaj
1	Proiect de cercetare, Programul Capacitati, Laborator de analize chimice si instrumentale in domeniul detectiei si decontaminarii RBC, competitie 2008, membru în colectivul de cercetare, director de proiect: Mosteanu D.	3	6.00
2	Proiect de cercetare, Modul III CEEEX, Studii pentru dezvoltarea activitatilor de cercetare în domeniul inregistrarilor SAR pentru GMES (SARFORGMES), competitie 2006, contract A 46801/12.09.2006, membru în colectivul de cercetare, director de proiect: Popa M.	3	6.00
3	Grant CNCISIS tip A, Contributii privind modelarea procesarii cognitive a imaginilor in aplicatii militare, competitie 2004, contract 32950/22.06.2004, membru in colectivul de cercetare, director de proiect: Popa M	2	4.00
4	Grant CNCISIS tip A, Aplicarea unor metode computationale pentru determinari dozimetrice ale campului de radiofrecventa absorbit in modele biologice expuse, contract A 32948/2004, membru in colectivul de cercetare, director de proiect: Demeter S	2	4.00
5	Grant ANSTI tip C, Contributii la studiul sintezei de frecventa în aplicatii, contract nr. 7062/05.11.2001, membru in colectivul de cercetare, director de proiect: Demeter S	2	4.00
6	Grant ANSTI tip T, Studiul absorției de energie electromagnetica în modele de sisteme vii expuse în câmpuri de microunde modulate din instalatiile radar, contract nr. 7061/05.11.2001, membru în colectivul de cercetare, director de proiect: Miclaus S	2	4.00
Total 2.3.2.2			28.00

Recunoastere si impact - citări in carti, reviste si volume ale unor manifestari stiintifice cotate sau indexate ISI (criteriu A3.1.1)

Total A3.1.1 82.08
Nr. total citari 40

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		15	37.5
Nr. crt.	Referinta care citeaza		
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2	Jesus M. Paniagua, Montana Rufo, Antonio Jimenez, Alicia Antolin, The spatial statistics formalism applied to mapping electromagnetic radiation in urban areas, ENVIRONMENTAL MONITORING AND ASSESSMENT, DOI: 10.1007/s10661-012-2555-7, 2012.		
3	Rufo M. Montaña, Paniagua Jesús M., Jiménez Antonio, Antolín Alicia, Exposure to high-frquency electromagnetic fields (100 kHz–2 GHz) in EXTREMADURA (SPAIN), Health Physics: December 2011 - Volume 101 - Issue 6 - pp 739-745, doi: 10.1097/HP.0b013e31821fd1ec.		
4	Alhekail Z.O., Hadi M.A., Alkanhal M.A., Public safety assessment of electromagnetic radiation exposure from mobile base stations, Journal of Radiological Protection, Volume 32 Number 3, 2012, doi:10.1088/0952-4746/32/3/325		
5	Ayinmode, B. O., and I. P. Farai, Study of variations of radiofrequency power density from mobile phone base stations with distance, Radiation protection dosimetry (2013).		
6	Pranas Baltrėnas , Raimondas Buckus, Measurements and analysis of the electromagnetic fields of mobile communication antennas, MEASUREMENT, Volume 46, Issue 10, December 2013, Pages 3942–3949		
7	Levent Seyfi, Measurement of electromagnetic radiation with respect to the hours and days of a week at 100kHz–3GHz frequency band in a turkish dwelling, MEASUREMENT, Volume: 46 Issue: 9 Pages: 3002-3009 DOI: 10.1016/j.measurement.2013.06.021 Published: NOV 2013		
8	Baltrena, Pranas, Buckus Raimondas, Indoor measurements of the power density close to mobile station antenna , Conference: 8th International Conference Environmental Engineering Location: Vilnius, LITHUANIA Date: MAY 19-20, 2011, ENVIRONMENTAL ENGINEERING, VOLS 1-3 Pages: 16-21 Published: 2011		
9	Nitu, Victor; Lojewski, George; Nitu, Smaranda, Electromagnetic evaluation field on an antennas shared site, EUROCON 2009: International IEEE Conference devoted to the 150 anniversary of ALEXANDER S. POPOV, VOLS 1- 4, PROCEEDINGS Pages: 70-75 Published: 2009		
10	Ahma, Luan; Ibrani, Mimoza; Hamiti, Enver, Assessment of SAR in a human exposed to GSM electromagnetic fields, Proceedings of the 13th WSEAS International Conference on Communications Book Series: Recent Advances in Electrical Engineering Pages: 131-135 Published: 2009		
11	Cela, Sanie, et al., An algorithm for processing the measurement results of electromagnetic field near 2G and 3G base stations in Albanian territory, Software, Telecommunications and Computer Networks (SoftCOM), 2013 21st International Conference on. IEEE, 2013.		
12	Marin, G., Samoilescu, G., Baltag, O., & Radu, S. (2014, October). Assessment of electromagnetic radiation exposure of embarked personnel on Romanian naval ships. In Electrical and Power Engineering (EPE), 2014 International Conference and Exposition on (pp. 427-432).		
13	Engiz, Begum Korunur, and Cetin Kurnaz. "LONG-TERM ELECTROMAGNETIC FIELD MEASUREMENT AND ASSESSMENT FOR A SHOPPING MALL." Radiation Protection Dosimetry (2016).		
14	Baltrenas Pranas, Buckus Raimonda, Vasarevicius Saulius, Research and evaluation of the intensity parameters of electromagnetic fields produced by mobile communication antennas,, JOURNAL OF ENVIRONMENTAL ENGINEERING AND LANDSCAPE MANAGEMENT Volume: 20 Issue: 4 Pages: 273-284 DOI: 10.3846/16486897.2012.738680 Published: 2012		

15	Ibrani Mimoza, Ahma Luan, Hamiti Enver, et al., Exposure assessment in the vicinity of 900 MHz GSM base station antenna, Proceedings of the 11th WSEAS International Conference on Communications, Vol 3: ADVANCES IN COMMUNICATIONS Book Series: ELECTRICAL AND COMPUTER ENGINEERING Pages: 139-143 Published: 2007
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Miclaus S., Bechet P. , Bouleanu I. Helbet R., <i>Radiofrequency field distribution assessment in indoor areas covered by Wireless Local Area Networks</i> , ADVANCES IN ELECTRICAL AND COMPUTER ENGINEERING Volume: 9 Issue: 1 Pages: 52-55 DOI: 10.4316/aece.2009.01009 Published: 2009		Nr. Citari	Punctaj
		2	2.5
Nr. crt.	Referinta care citeaza		
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2	Lunca Eduard, David Valeriu, Salceanu Alexandru, et al., Assessing the human exposure due to wireless local area networks in office environments, ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL Volume: 11 Issue: 2 Pages: 385-391 Published: FEB 2012		

Bechet P. , Miclaus S., <i>Swept versus Real-Time Spectrum Analyzer ability to accurately assess electromagnetic exposure due to wireless communications signals in the environment: an analysis</i> , PIERS Online 7.3 (2011): 276-280.		Nr. Citari	Punctaj
		1	2.5
Nr. crt.	Referinta care citeaza		
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Bechet P. , Iliés I., Lebu A., Dinicu A., <i>A comprehensive approach to decision-making and interaction mechanisms that valorize relevant information</i> , Science & Military, Armed Forces Academy, Slovak Republic, no1/2010, ISSN 1336-8885		Nr. Citari	Punctaj
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1	Chirca D., Decisional process optimization for increasing the management efficiency of the medium size organization, , 16th International Conference "The Knowledge-based organization: applied technical sciences and advanced military technologies", Book Series: Knowledge Based Organization International Conference Pages: 216-221 Published: 2010		

Miclaus S., Bechet P. , <i>Near field radiofrequency metrology and occupational exposure assessment: In situ measurements and accuracy analysis</i> . In ICECom, 2010 Conference Proceedings (pp. 1-4). IEEE.		Nr. Citari	Punctaj
		1	2.5
Nr. crt.	Referinta care citeaza		
1	Joseph Wout, et al., In situ occupational and general public exposure to VHF/UHF transmission for air traffic communication, Radiation Protection Dosimetry 151.3 (2012): 411-419.		

S. Miclaus, P. Bechet , M. Gheorghevici, <i>Long-term exposure to mobile communication radiation: an analysis of time-variability of electric field level in GSM900 Downlink channels</i> , RADIATION PROTECTION DOSIMETRY Volume: 154 Issue: 2 Pages: 164-173 DOI: 10.1093/rpd/ncs169 Published: APR 2013		Nr. Citari	Punctaj
		5	8.3333
Nr. crt.	Referinta care citeaza		
1	F. T. Pachón-García, J. M. Paniagua-Sánchez, M. Rufo-Pérez, A. Jiménez-Barco, Variability in electromagnetic field levels over time, and Monte-Carlo simulation of exposure parameters, Radiat Prot Dosimetry (2014), doi: 10.1093/rpd/ncu035, First published online: March 3, 2014		

2	F. T. Pachón-García, A. Jiménez-Barco, J. M. Paniagua-Sánchez, M. Rufo-Pérez, New approach based on ANN and RBF for analyzing the spatial distribution of electromagnetic field from an exposure standpoint, Neural Computing and Applications, DOI: 10.1007/s00521-014-1638-5
3	Koprivica, Mladen, et al. "Statistical analysis of electromagnetic radiation measurements in the vicinity of GSM/UMTS base station installed on buildings in Serbia." Radiation protection dosimetry (2015): ncv372.
4	Urbiniello, D., Joseph, W., Verloock, L., Martens, L., & Rössli, M., Temporal trends of radio-frequency electromagnetic field (RF-EMF) exposure in everyday environments across European cities, Environmental Research, 134, 134-142, 2014.
5	Leen Verloock, Wout Joseph, Francis Goeminne, Luc Martens, Mart Verlaek, and Kim Constandt, Temporal 24-hour assessment of radio frequency exposure in schools and homes, MEASUREMENT, Volume 56, October 2014, Pages 50–57DOI: 10.1016/j.measurement.2014.06.012.

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		2	5
Nr. crt.	Referinta care citeaza		
1	Koprivica, Mladen, et al. "Statistical analysis of electromagnetic radiation measurements in the vicinity of GSM/UMTS base station installed on buildings in Serbia." Radiation protection dosimetry (2015): ncv372.		
2	F. T. Pachón-García, J. M. Paniagua-Sánchez, M. Rufo-Pérez, A. Jiménez-Barco, Variability in electromagnetic field levels over time, and Monte-Carlo simulation of exposure parameters, Radiat Prot Dosimetry (2014), doi: 10.1093/rpd/ncu035, First published online: March 3, 2014		

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Nr. crt.	Referinta care citeaza		
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2	Ibrani, Mimoza, et al., Narrowband frequency-selective up-link and down-link evaluation of daily personal-exposure induced by wireless operating networks, Wireless Networks (2016): 1-10.		
3	Foster Kenneth R., John E. Moulder, Wi-fi and health: review of current status of research, Health Physics 105.6 (2013): 561-575.		

S. Miclaus, P. Bechet, C. Iftode, <i>The application of a channel-individualized method for assessing long-term, realistic exposure to radiofrequency radiation emitted by mobile communication base station antennas</i> , MEASUREMENT Volume: 46 Issue: 3 Pages: 1355-1362 DOI: 10.1016/j.measurement.2012.11.040 Published: APR 2013		Nr. Citari	Punctaj
		4	6.6667
Nr. crt.	Referinta care citeaza		
1	Pachón-García, F. T., K. Fernández-Ortiz, and J. M. Paniagua-Sánchez, Assessment of Wi-Fi radiation in indoor environments characterizing the time & space-varying electromagnetic fields, doi:10.1016/j.measurement.2014.12.002, Measurement, 2014.		
2	Pasquino, Nicola, and Rosario Schiano Lo Moriello, A critical note to the standard procedure for assessing exposure to GSM electromagnetic field, Measurement 73 (2015): 563-575.		
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Miclaus S., Bechet P. , Stratakis D., <i>Exposure levels due to WLAN devices in indoor environments corrected by the time-amplitude distribution factor of the quasi-stochastic signals</i> , RADIATION PROTECTION DOSIMETRY (2014) 162 (4): 536-543, first published online March 2, 2014	Nr. Citari	Punctaj
	1	1.6667

Nr. crt.	Referinta care citeaza
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1	Pachón-García, F. T., K. Fernández-Ortiz, and J. M. Paniagua-Sánchez, Assessment of Wi-Fi radiation in indoor environments characterizing the time & space-varying electromagnetic fields, doi:10.1016/j.measurement.2014.12.002, Measurement, 2014.

S. Miclaus, P. Bechet , <i>Electromagnetic field strength in the proximity of WLAN devices during data and video files transmission</i> , Electronics Letters, Volume 50, Issue 19, 11 September 2014, p. 1397 – 1399, DOI: 10.1049/el.2014.0834.	Nr. Citari	Punctaj
	1	2.5

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	1	1.6667

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Nr. crt.	Referinta care citeaza
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Total A3.1.2 75.05
Nr. total citari 62

Nr. crt.	Referinta care citeaza	Nr. Citari	Punctaj
	S Miclaus, P Bechet, <i>Estimated and measured values of the radiofrequency radiation power density around cellular base stations</i> , Romanian Journal of Physic, vol 52, no 3/4, pp 429-440, 2007.	31	46.5
1	Genç Özgür, Mehmet Bayrak, Ercan Yaldiz, Analysis of the Electromagnetic Pollution for a Pilot Region in Turkey, Journal of Electromagnetic Analysis and Applications 2.3 (2010): 139-144.		
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