Fişa de calcul şi de sustinere a îndeplinirii standardelor minimale specifice domeniului

Conf. dr. ing. Marţian Alexandru

Departamentul Telecomunicatii
Facultatea de Electronica, Telecomunicatii si Tehnologia Informatiei
Comisia Electronica, Telecomunicatii si Nanotehnologie (Anexa nr. 11)

15 septembrie 2022

CENTRALIZATOR

Condiţii minimale pentru profesor la Comisia de Electronica, Telecomunicatii si Nanotehnologie (Anexa	Val. Min.	Obţinut
A1 Activitate didactică / profesională	100	120,000
A2 Activitatea de cercetare	600	865,245
A3 Recunoaşterea impactului activităţii	150	632,733
INDICATORUL DE MERIT (A = A1 + A2 + A3))	850	**1617,978**
A1.1.1-A1.1.2 Cărţi de specialitate	1	2
A2.1 Articole în reviste cotate ISI şi în volumele unor manifestări ştiinţifice indexate ISI proceedings	15	38
din care în reviste cotate ISI Q1 sau Q2 [10]	3	7
A2.4.1 Granturi/proiecte câştigate prin competiţie (Director / Responsabil partener)	2	2
A3.1.1 Numar de citări în cărţi, reviste cotate ISI şi în volume ale unor manifestări ştiinţifice ISI (WOS) [11]	25	227
Factor de impact ISI cumulat pentru publicatii [12]	10	44,348

PREZENTARE DETALIATA

Nr.crt.	A1 - Activitate didactică și profesională				Punctaj
	A1.1.1 Cărți de autor sau capitole [1] de specialitate în edituri cu ISBN (Cărți / monografii) - internaționale	Tip [1]	Nr. Autori	>50 biblioteci străine conform WorldCat [2]	
	A1.1.2 Cărți de autor sau capitole de specialitate în edituri cu ISBN (Cărți / monografii) - naționale	Tip [1]	Nr. Autori		
1	**A. Marțian**, "Utilizarea eficientă a spectrului de radiofrecvență. Evaluarea stadiului actual și perspective", Ed. Politehnica Press, București, România, 2017. (ISBN 978-606-515-781-1), COD CNCSIS 19 (172 pagini)	Carte	1	Nu	**50,000**
2	I. Marcu, C. Oprea, **A. Marțian**, O. Fratu, I. Marghescu, "Comunicații mobile: aspect teoretice și experimentale", Ed. Politehnica Press, București, România, 2018. (ISBN 978-606-515-837-5), COD CNCSIS 19 (108 pagini)	Carte	5	Nu	**10,000**
	A1.2.1 Material didactic / Lucrări didactice publicate în edituri cu ISBN (Manuale didactice)	Tip [1]	Nr. Autori		
1	**A. Marțian**, I. Marghescu, "Radio Communications: Systems and Equipment", Ed. Politehnica Press, București, România, 2022. (ISBN 978-606-9608-05-0), COD CNCSIS 19 (200 pagini)	Carte	2	Nu	**20,000**
2	I. Marghescu, **A. Marțian**, "Sisteme și echipamente de comunicații radio", Ed. Politehnica Press, București, România, 2022. (ISBN 978-606-9608-08-1), COD CNCSIS 19 (184 pagini)	Carte	2	Nu	**20,000**
3	C. Oprea, **A. Marțian**, "Comunicații mobile - probleme, întrebări și aplicații", Ed. Politehnica Press, București, România, 2022. (ISBN: 978-606-9608-20-3), COD CNCSIS 19 (131 pagini)	Carte	2	Nu	**20,000**
	Total A1				**120,000**

Nr.crt.	A2 - Activitatea de cercetare				Punctaj
	A2.1 Articole în reviste cotate ISI, și lucrări în volumele unor manifestări științifice indexate ISI (toți factorii de impact sunt considerați la data depunerii dosarului, mai 2019)	Baza de date [4]	Nr. Autori	Factor impact [3] (conf. Top [10])	
1	**A. Marțian**, "Evaluation of Spectrum Occupancy in Urban and Rural Environments of Romania", în Revue Roumaine des Sciences Techniques - Serie Electrotechnique et Energetique, year 2014, issue 1, pp 87-96. (ISI Accession Number WOS: 000333440000009, ISSN: 0035-4066) (10 pagini)	ISI	1	0,670	**45,100**
2	G. Suciu, V. Suciu, **A. Marțian**, R. Crăciunescu, A. Vulpe, I. Marcu, S. Halunga, O. Fratu, "Big Data, Internet of Things and Cloud Convergence - An Architecture for Secure E-Health Applications", în Journal of Medical Systems, vol. 39, no. 11, pp. 1-8, Springer, September 2015. (ISI Accession Number WOS:000363557500011, Impact factor 2.098(Q2 în categoria Health Care Sciences & Services), ISSN: 1573-689X, DOI: 10.1007/s10916-015-0327-y) (8 pagini), https://link.springer.com/article/10.1007/s10916-015-0327-y	ISI-Q1	8	4,920	**21,575**
3	C. Vlădeanu, C.V. Năstase, **A. Marțian**, "Energy Detection Algorithm for Spectrum Sensing Using Three Consecutive Sensing Events", în IEEE Wireless Communications Letters, vol. 5, issue 3, pp. 284-287, June 2016. (ISI Accession Number WOS:000379693200015, Impact factor 3.096 (Q1 în categoria Engineering Electrical & Electronical), ISSN: 2162-2337, DOI: 10.1109/LWC.2016.2543723) (4 pagini), https://ieeexplore.ieee.org/document/7435258	ISI-Q1	3	5,281	**61,143**
4	A. M. Crisan, **A. Martian**, R. Cacoveanu and D. Coltuc, "Angle-of-Arrival Estimation in Formation Flying Satellites: Concept and Demonstration," in IEEE Access, vol. 7, pp. 114116-114130, 2019. doi: 10.1109/ACCESS.2019.2935620. (ISI Accession Number WOS:000483022100060, Impact factor 4.098 (Q1 în categoria Engineering Electrical & Electronical), Electronic ISSN: 2169-3536) (15 pagini), https://ieeexplore.ieee.org/abstract/document/8801821	ISI-Q1	4	4,098	**36,985**
5	A. M. Crisan, **A. Martian**, R. Cacoveanu and D. Coltuc, "Distance estimation in OFDM inter-satellite links" in Measurement, vol. 154, p.107479, Elsevier, 2020. (Accession Number: WOS:000517088600026, ISSN: 0263-2241) https://www.sciencedirect.com/science/article/abs/pii/S0263224120300166	ISI-Q1	4	5,131	**44,733**
6	F.L. Chiper, **A. Martian**, C. Vlădeanu, I. Marghescu, R. Craciunescu and O. Fratu, "Drone Detection and Defense Systems: Survey and a Software-Defined Radio-Based Solution", in Sensors, Vol. 22, Issue 4, p.1453, 2022. (ISI Thompson, WOS:000553143100001, PubMed ID: 32605003, eISSN: 1424-8220) https://www.mdpi.com/1424-8220/22/4/1453	ISI-Q1	6	3,576	**22,047**
7	**A. Martian**, M.J.A. Al Sammarraie, C. Vlădeanu, and D.C. Popescu, "Three-Event Energy Detection with Adaptive Threshold for Spectrum Sensing in Cognitive Radio Systems", in Sensors, Vol. 20, Issue 13, p.3614, 2020. (ISI Thompson, WOS:000553143100001, PubMed ID: 32605003, eISSN: 1424-8220) https://www.mdpi.com/1424-8220/20/13/3614	ISI-Q1	4	3,576	**33,070**

8	C. Vlădeanu, **A. Marţian** and D. C. Popescu, "Spectrum Sensing With Energy Detection in Multiple Alternating Time Slots," in IEEE Access, vol. 10, pp. 38565-38574, 2022, doi: 10.1109/ACCESS.2022.3165556. (ISI, WOS:000814508500001) https://ieeexplore.ieee.org/document/9751082	ISI-Q2	3	3,476	**43,093**
9	G. Suciu, A. Vulpe, **A. Marţian**, S. Halunga, D.N. Vizireanu, "Big Data Processing for Renewable Energy Telemetry Using a Decentralized Cloud M2M System", în Wireless Personal Communications, vol. 86, issue 3, pp. 1113-1128, Springer, April 2016. (SpringerLink, ISSN: 1572-834X, DOI: 10.1007/s11277-015-2527-7, WOS: 000372271400027) (16 pagini)	ISI	5	2,017	**17,102**
10	**A. Marţian**, "Real-time spectrum sensing using software defined radio platforms", in Telecommunication Systems, Volume 64, Issue 4, pp 749–761, Springer, April 2017. (ISI Thompson WOS:000395622000014, ISSN: 1018-4864, Impact factor 1.527(Q3), DOI: 10.1007/s11235-016-0205-z) (13 pagini)	ISI	1	2,336	**95,080**
11	**A. Marţian**, R. Crăciunescu, A. Vulpe, G. Suciu, O. Fratu "Access to RF White Spaces in Romania: Present and Future", în Wireless Personal Communications, vol. 86, issue 3, pp. 693-702, Springer, April 2016. (SpringerLink, ISSN: 1572-834X, DOI: 10.1007/s11277-015-2638-1, WOS: 000372271400007) (10 pagini)	ISI	5	2,017	**17,102**
12	A.F. Păun, C. Vlădeanu, I. Marghescu, S. El Assad, **A. Marţian**, "On the QAM Parallel Turbo-TCM Schemes using Recursive Convolutional GF(2N) Encoders", in Proc. 18th European Signal Proc. Conf., EUSIPCO 2010, Aalborg, Denmark, August 2010, pp 1414-1418. (ISI Web of Knowledge WOS:000349999100287, ISSN: 2076-1465, EURASIP) (5 pagini)	ISI	5	0,250	**6,500**
13	C. Vlădeanu, **A. Marţian**, S. El Assad, "EXIT Charts Analysis for Turbo-TCM Schemes Using Non-Binary RSC Encoders", in Proc. 8th Advanced International Conference on Telecommunications (AICT 2012), Stuttgart, Germany, May 2012, pp. 150-155, ISBN: 978-1-61208-199-1. (ISI Web of Knowledge WOS:000395858500027) (6 pagini)	ISI	3	0,250	**10,833**
14	C. Vlădeanu, **A. Marţian**, A.F. Păun, S. El Assad, "A New ML Detector for Trellis-Coded Spatial Modulation Using Hard and Soft Estimates", în Proc. 10th International Symposium on Electronics and Telecommunications (ISETC12), Timișoara, Noiembrie 2012, pp. 143-147, ISBN: 978-1-4673-1175-5. (ISI Web of Knowledge WOS:000318702700033, ISBN:978-1-4673-1176-2, IEEE Xplore) (5 pagini)	ISI	4	0,250	**8,125**
15	E. Zainea, **A. Marţian**, I. Marcu, O. Fratu,"Transition from Analog to Digital Broadcasting: A spectral efficiency review", în Proc. 10th International Symposium on Electronics and Telecommunications (ISETC12), Timișoara, November 2012, pp. 171-175, ISBN: 978-1-4673-1175-5. (ISI Web of Knowledge WOS:000318702700040, ISBN:978-1-4673-1176-2, IEEE Xplore) (5 pagini)	ISI	4	0,250	**8,125**
16	**A. Marţian**, R. Crăciunescu, A. Vulpe, O. Fratu, I. Marghescu, "Perspectives on Dynamic Spectrum Access Procedures in TV White Spaces", în Global Wireless Summit (GWS), 2013 - Special Session on Recent Advances in Spectrum Measurements and Modelling towards Flexible Spectrum Usage, ISBN 978-87-92982-52-0, Atlantic City, New Jersey, USA, June 2013, pp 1-5. (ISI Web of Knowledge WOS:000332186700090, ISSN: 1347-6890, IEEE Xplore) (5 pagini)	ISI	5	0,250	**6,500**
17	**A. Marţian**, L. Petrică, O. Radu, "Cognitive radio testing framework based on USRP", in Proc. 21st Telecommunications Forum (TELFOR) 2013, ISBN 978-1-4799-1419-7, INSPEC 14044037, Belgrade, Serbia, November 2013, pp.212-215. (ISI Web of Knowledge WOS:000349857500052, ISBN:978-1-4799-1420-3, IEEE Xplore) (4 pagini)	ISI	3	0,250	**10,833**
18	G. Suciu, C. Voicu, G. Todoran, **A. Marţian**, S. Halunga, C. Butca, " Network Cloud simulator for modelling trust in Cognitive Radio applications", in Proc. 21st Telecommunications Forum (TELFOR) 2013, ISBN 978-1-4799-1419-7, INSPEC 14043991, Belgrade, Serbia, November 2013, pp.345-348. (ISI Web of Knowledge WOS:000349857500081, ISBN:978-1-4799-1420-3, IEEE Xplore) (4 pagini)	ISI	6	0,250	**5,417**
19	**A. Marţian**, "Real-time Spectrum Sensor based on USRP", in Proc. 10th International Conference on Communications COMM2014, Bucharest, Romania, May 2014, pp 429-432. (ISI Web of Knowledge WOS:000345844600072, ISBN:978-1-4799-2385-4, IEEE Xplore) (4 pagini)	ISI	1	0,250	**32,500**
20	V.C. Stanciu, **A. Marţian**, C. Socoteanu, I. Marghescu, "Data Collection for Spectrum Sensing Algorithms based on USRP", in Proc. 10th International Conference on Communications COMM2014, Bucharest, Romania, May 2014, pp 403-406. (ISI Web of Knowledge WOS:000345844600083, ISBN:978-1-4799-2385-4, IEEE Xplore) (4 pagini)	ISI	4	0,250	**8,125**
21	**A. Marţian**, B.T. Sandu, O. Fratu, I. Marghescu. R. Crăciunescu, "Spectrum Sensing based on Spectral Correlation for Cognitive Radio Systems", in Proc. Global Wireless Summit WirelessVitae2014, Aalborg, Denmark, May 2014, pp.1-4. (ISI Web of Knowledge WOS:000363907300053, IEEE Xplore) (4 pagini)	ISI	5	0,250	**6,500**
22	C.V. Năstase, **A. Marţian**, C. Vlădeanu, I. Marghescu, "An Accurate Average Energy Detection Algorithm for Spectrum Sensing in Cognitive Radio Systems", in Proc. 11th International Symposium on Electronics and Telecommunications (ISETC14), Timișoara, November 2014, pp.131-134. (ISI Web of Knowledge WOS:000366633300031, ISBN:978-1-4799-7267-8, IEEE Xplore) (4 pagini)	ISI	4	0,250	**8,125**
23	O. Fratu, **A. Marţian**, R. Crăciunescu, A. Vulpe, S. Halunga, P. Lazaridis, Z. Zaharis, S. Kasampalis, "Comparative study of Radio Mobile and ICS Telecom propagation prediction models for DVB-T", in Proc. 10th IEEE International Symposium on Broadband Multimedia Systems and Broadcasting (BMSB 2015), Ghent, Belgium, June 2015, pp 1-6. (ISI Web of Knowledge WOS:000369105500076, ISSN: 2155-5044, DOI:	ISI	8	0,250	**4,063**
24	E.I. Dobre, **A. Marţian**, C. Vlădeanu, "USRP-based Experimental Platform for Energy Detection in Cognitive Radio Systems", in Proc. 11th International Conference on Communications COMM2016, pp. 191-194, Bucharest, Romania, June 2016. (ISI Web of Knowledge WOS:000383221900039, DOI: 10.1109/ICComm.2016.7528275, ISBN: 978-1-4673-8197-0) (4 pagini)	ISI	3	0,250	**10,833**
25	A.M. Crișan, **A. Marţian**, R. Cacoveanu, D. Coltuc, "Evaluation of Synchronization Techniques for Inter-satellite Links", in Proc. 11th International Conference on Communications COMM2016, pp. 475-480, Bucharest, Romania, June 2016. (ISI Web of Knowledge WOS:000383221900094, DOI: 10.1109/ICComm.2016.7528259, ISBN: 978-1-4673-8197-0) (6 pagini)	ISI	4	0,250	**8,125**
26	**A. Marţian**, C. Vladeanu, "On the Compromise between Delay and Performance of the Three-Event Energy Detection Algorithm in Cognitive Radio Systems" in Proc. 12th International Symposium on Electronics and Telecommunications (ISETC16), pp. 111-115, Timișoara, October 2016.(ISI Web of Knowledge WOS:000390717800026, DOI: 10.1109/ISETC.2016.7781069, ISBN: 978-1-5090-3748-3, IEEE Xplore) (5 pagini)	ISI	2	0,250	**16,250**

27	M. G. Banciu; N. Militaru; **A. Marţian**; I. Nicolaescu; L. Tuta; D. C. Geambasu; L. Nedelcu; L. Trupina; R. Ramer., "Microwave antenna array using new dielectric resonator antenna elements," in Proc. 2017 International Semiconductor Conference (CAS), Sinaia, Romania, 2017, pp. 129-132. (ISI Web of Knowledge WOS:000425844500026, IEEE Xplore, DOI: 10.1109/SMICND.2017.8101177) (4 pagini)	ISI	9	0,250	**3,611**
28	A. M. Crisan, **A. Marţian** and D. Coltuc, "Relative orientation estimation in formation flying satellites," in Proc. 2017 International Symposium on Signals, Circuits and Systems (ISSCS), Iasi, 2017, pp. 1-4. (ISI Web of Knowledge WOS:000425211500065, IEEE Xplore, DOI: 10.1109/ISSCS.2017.8034927) (4 pagini)	ISI	3	0,250	**10,833**
29	C.V. Năstase, O. Fratu, **A. Marţian**, I. Marghescu, "Performance Analysis of MUSIC and Capon DOA Estimation Algorithms in Cognitive Radio Networks", In book: Future Access Enablers for Ubiquitous and Intelligent Infrastructures, Publisher: Springer International Publishing, Editors: Atanasovski, Vladimir and Leon-Garcia, Alberto, pp.142-148, ISSN: 1867-8211, DOI: 10.1007/978-3-319-27072-2_10 (ISI Web of Knowledge WOS:000380529200018, SpringerLink) (7 pagini)	ISI	4	0,250	**8,125**
30	C. Năstase, **A. Marţian**, C. Vlădeanu and I. Marghescu, "Spectrum Sensing Based on Energy Detection Algorithms Using GNU Radio and USRP for Cognitive Radio," 2018 International Conference on Communications (COMM), Bucharest, 2018, pp. 381-384. (ISI Web of Knowledge WOS:000449526000072, doi: 10.1109/ICComm.2018.8430143) (4 pagini)	ISI	4	0,250	**8,125**
31	M. J. Ahmad Al Sammarraie, **A. Martian** and C. Vlădeanu, "Adaptive IED Spectrum Sensing Algorithm for Different Duty Cycle Values," 2018 International Conference on Communications (COMM), Bucharest, 2018, pp. 51-54. (ISI Web of Knowledge WOS:000449526000008, doi: 10.1109/ICComm.2018.8430110) (4 pagini)	ISI	3	0,250	**10,833**
32	A. M. Crisan, **A. Marţian**, D. Coltuc, "Inter-Satellite Radio Frequency Ranging in a Hybrid OFDM Communication-Metrology System", in Proc. IEEE 15th Workshop on Positioning, Navigation and Communications (WPNC'18), Bremen, Germany, 2018, pp. 1-5. (ISI Web of Knowledge WOS:000460539800018, IEEE Xplore) (5 pagini)	ISI	3	0,250	**10,833**
33	M. J. Ahmad Al Sammarraie, **A. Marţian** and C. Vlădeanu, "A Modified 3EED Spectrum Sensing Algorithm Using an Adaptive Decision Threshold", in Proc. 13th International Symposium on Electronics and Telecommunications (ISETC 2018), Timişoara, 2018, pp. 1-4. (ISI Web of Knowledge WOS:000463031500058, IEEE Xplore) (4 pagini)	ISI	3	0,250	**10,833**
34	**A. Marţian**, M. Dambeanu, C. Oprea, C. Vladeanu and I. Marghescu, "DVB-T2 radio coverage analysis in Romania," in Proc. 25th Telecommunication Forum (TELFOR2017), Belgrade, Serbia, 2017, pp. 1-4. (ISI Web of Knowledge WOS:000427782600039, IEEE Xplore, DOI: 10.1109/TELFOR.2017.8249310) (4 pagini)	ISI	5	0,250	**6,500**
35	C. Vlădeanu, M. J. A. A. Sammarraie and **A. Marţian**, "Amplify-and-Forward Cooperative Spectrum Sensing Using Three Secondary Users for Cognitive Radio," 2019 International Symposium on Signals, Circuits and Systems (ISSCS), Iasi, Romania, 2019, pp. 1-4, doi: 10.1109/ISSCS.2019.8801814 (ISI Web of Knowledge WOS:000503459500084, IEEE Xplore) (4 pagini).	ISI	3	0,250	**10,833**
36	**A. Martian**, C. Vladeanu and I. Marghescu, "Novel Software Defined Radio Testbed for Spectrum Occupancy Measurements," 2020 International Symposium on Electronics and Telecommunications (ISETC), 2020, pp. 1-4, doi: 10.1109/ISETC50328.2020.9301075, Electronic ISBN:978-1-7281-9513-1, Print ISBN:978-1-7281-8921-5, USB ISBN:978-1-7281-9512-4, Print on Demand(PoD) ISBN:978-1-7281-9514-8, Electronic ISSN: 2475-7861, Print on Demand(PoD) ISSN: 2475-787X (Accession Number: WOS:000612681000092, IEEExplore) (4 pagini).	ISI	3	0,250	**10,833**
37	**A. Martian**, F. L. Chiper, O. Mohammed Khodayer Al-Dulaimi, M. Jalal Ahmad Al Sammarraie, C. Vladeanu and I. Marghescu, "Comparative Analysis of Software Defined Radio Platforms for Spectrum Sensing Applications," 2020 13th International Conference on Communications (COMM), Bucharest, Romania, 2020, pp. 369-374, doi: 10.1109/COMM48946.2020.9142024, Electronic ISBN:978-1-7281-5611-8, USB ISBN:978-1-7281-5610-1, Print on Demand(PoD) ISBN:978-1-7281-5612-5 (Accession Number: WOS:000612723900065, IEEEXplore). (4 pagini)	ISI	6	0,250	**5,417**
38	O. M. Khodayer Al-Dulaimi, M. Jalal Ahmad Al Sammarraie, C. Vlădeanu, **A. Marţian** and D. C. Popescu, "Cooperative Spectrum Sensing for Three Secondary Users with Sequential Relaying for Cognitive Radio," 2020 13th International Conference on Communications (COMM), Bucharest, Romania, 2020, pp. 221-226, doi: 10.1109/COMM48946.2020.9141968, Electronic ISBN:978-1-7281-5611-8, USB ISBN:978-1-7281-5610-1, Print on Demand(PoD) ISBN:978-1-7281-5612-5 (Accession Number: WOS:000612723900040, IEEEXplore). (4 pagini)	ISI	5	0,250	**6,500**
	A2.2 Articole în reviste, şi în volumele unor manifestari stiintifice indexate în alte baze de date internationale recunoscute (BDI) [4]	Baza de date [4]	Nr. Autori		
1	I. Marcu, S. Halunga, I. Pirnog, **A. Marţian**, C. Oprea, "Convolutional Turbo Encoding Improvements For Different Multiuser Detection Algorithms In Unperferct Reception Conditions", Scientific Bulletin UPB, Seria C, vol.73, issue 4, pp.181-196, 2011, ISSN 1454-234x. (Revistă de specialitate de circulaţie internaţională, cu evaluatori, citată Inspec) (16 pagini)	Scopus	5		**4,000**
2	F. Almajanu, C.V. Năstase, **A. Marţian**, I. Marghescu, "Radio Coverage Analysis for Mobile Communication Networks using ICS Telecom", Scientific Bulletin UPB, Seria C, vol.78, issue 2, pp.177-190, 2016, ISSN 2286-3540. (ISI Thompson, WOS:000388733300016, Revistă de specialitate de circulaţie internaţională, cu evaluatori, citată Inspec) (14 pagini)	Scopus	4		**5,000**
3	**A. Marţian**, I. Marcu, I. Marghescu, "Spectrum Occupancy in an Urban Environment: A Cognitive Radio Approach", în Proc. 6th Advanced International Conference on Telecommunications, AICT 2010, ISBN 978-1-4244-6748-8, Barcelona, Spania, Mai 2010, pp 25-29. (IEEE Xplore) (5 pagini)	IEEE Explore	3		**6,667**
4	**A. Marţian**, A. Achim, O. Fratu, I. Marghescu, "Analysis of frequency spectrum usage from a cognitive radio perspective", în Proc. 3rd International Workshop on Cognitive Radio and Advanced Spectrum Management, COGART 2010, ISBN 978-1-4244-8131-6, Roma, Italia, Noiembrie 2010, pp 1-5. (IEEE Xplore) (5 pagini)	IEEE Explore	4		**5,000**
5	O. Fratu, S. Halunga, C. Perju, **A. Marţian**, I. M. Marcu, "On the Availability of CDMA Channels for Secondary Users", in Proc. 3rd International Workshop on Cognitive Radio and Advanced Spectrum Management, COGART 2010, ISBN 978-1-4244-8131-6, Rome, Italy, November 2010, pp 1-5. (IEEE Xplore) (5 pagini)	IEEE Explore	5		**4,000**

6	**A. Martian**, F. Lucian Chiper, O. Mohammed Khodayer Al-Dulaimi, M. Jalal Ahmad Al Sammarraie, C. Vladeanu and I. Marghescu, "Comparative Analysis of Software Defined Radio Platforms for Spectrum Sensing Applications," 2020 13th International Conference on Communications (COMM), Bucharest, Romania, 2020, pp. 369-374, doi: 10.1109/COMM48946.2020.9142024 (IEEEXplore).	IEEE Explore	6		**3,333**
7	O. M. Khodayer Al-Dulaimi, M. Jalal Ahmad Al Sammarraie, C. Vlădeanu, **A. Marţian** and D. C. Popescu, "Cooperative Spectrum Sensing for Three Secondary Users with Sequential Relaying for Cognitive Radio," 2020 13th International Conference on Communications (COMM), Bucharest, Romania, 2020, pp. 221-226, doi: 10.1109/COMM48946.2020.9141968 (IEEEXplore).	IEEE Explore	5		**4,000**
8	**A. Marţian**, C. Vlădeanu, O. Fratu, I. Marghescu, S. El Assad, " Spectral Occupancy Measurements in Rural and Urban Environments: Analysis and Comparison", în Proc. 9th Advanced International Conference on Telecommunications, AICT 2013, ISBN 978-1-61208-279-0, Rome, Italy, June 2013, pp 78-83. (ThinkMind, Premiul Best Paper) (6 pagini)	Scopus	5		**4,000**
9	P. Bajenaru, C. Chitu, R. Cacoveanu, A. Crisan, **A. Marţian**, "Design and development of a satellite on-board communication system with navigation capabilities", în Proc.67th International Astronautical Congress, IAC 2016; Guadalajara; Mexico; September 2016, pp 1-8, ISSN: 00741795 (8 pagini)	Scopus	5		**4,000**
10	C. Vlădeanu, O. M. K. Al-Dulaimi and **A. Marţian**, "A Modified Double-Threshold Spectrum Sensing Algorithm Based on Adaptive-Threshold Mean Energy Detection," 2021 International Symposium on Signals, Circuits and Systems (ISSCS), 2021, pp. 1-4, doi: 10.1109/ISSCS52333.2021.9497419.	IEEE Explore	4		**5,000**
11	**A. Martian**, F. -L. Chiper, R. Craciunescu, C. Vladeanu, O. Fratu and I. Marghescu, "RF Based UAV Detection and Defense Systems: Survey and a Novel Solution," 2021 IEEE International Black Sea Conference on Communications and Networking (BlackSeaCom), 2021, pp. 1-4, doi: 10.1109/BlackSeaCom52164.2021.9527871.	IEEE Explore	6		**3,333**
12	A.M. Nedelcu, **A. Martian** and E. C. Popovici, "Study of millimeter waves in 5G," 2021 IEEE International Black Sea Conference on Communications and Networking (BlackSeaCom), 2021, pp. 1-4, doi: 10.1109/BlackSeaCom52164.2021.9527846.	IEEE Explore	3		**6,667**
13	F. -L. Chiper, **A. Martian**, D. -I. Muscalu, C. Vladeanu and I. Marghescu, "Aerial Drone Defense System based on Software Defined Radio Platforms," 2022 14th International Conference on Communications (COMM), 2022, pp. 1-4, doi: 10.1109/COMM54429.2022.9817314.	IEEE Explore	5		**4,000**
14	O. M. Khodayer Al-Dulaimi, F. -L. Chiper, C. Vlădeanu and **A. Martian**, "Triple- Threshold Energy Detection with Adaptive Intermediate Threshold for Cooperative Spectrum Sensing," 2022 14th International Conference on Communications (COMM), 2022, pp. 1-6, doi: 10.1109/COMM54429.2022.9817328.	IEEE Explore	4		**5,000**
	A2.3.1 Proprietate intelectuală, brevete de inventie, certificate ORDA - internationale [5]	Înregistrat la [5]:	Nr. Autori	Factor impact [12]	
	A2.3.2 Proprietate intelectuală, brevete de inventie, certificate ORDA - nationale (OSIM)	Înregistrat la [5]:	Nr. Autori	Factor impact [12]	
1	I. M Marcu, O. Fratu, S. Halunga, R.-A Vulpe, C. Florea, **A. Marţian**, A.-M. Dragulinescu, G. Suciu, C.M. Bălăceanu, A. Drosu, R. Chevereşan, D. Miu, "Telemetry system for intelligent agriculture addressed to farmers and agricultural producers", Patent number RO135499-A2.		12	0,500	**2,083**
	A2.4.1.1 Granturi / proiecte de cercetare câştigate prin competiţie [6] sau Contracte cu agenţi economici în valoare de minim 10.000 dolari SUA echivalent încasaţi [6] (Director / responsabil partener) - internaţionale	[6]	Nr.ani		
	A2.4.1.2 Granturi / proiecte de cercetare câştigate prin competiţie [6] sau Contracte cu agenţi economici în valoare de minim 10.000 dolari SUA echivalent încasaţi [6] (Director / responsabil partener) - naţionale		Nr.ani		
1	"Sistem de evaluare a gradului de utilizare a spectrului RF în vederea introducerii reţelelor 5G (Spectrum-5G)", Proiect UEFISCDI, PN-III P1-1.1-PD-2016, no. PD154/10.10.2018, director de proiect Alexandru MARŢIAN (2018-2020), https://uefiscdi.ro/resource-81791?&wtok=&wtkps=XY1bDolwEEX3Mt+KnZZSHPZATFwB0Elqz1AQg3HvFvww+jU3k3PuzUjR05EkWKa6cZCkiSNB4KwGn0Ik6HJTITXjy1BIsUYiNBHL17ZVRwzVTQ/nI0ayfmC+CZ632+UEoYBPV6F9ryVkuAGKQOuhu1xPQjEe85jJeDe8+v0cOKIUiAL3FpS7lf45yAh+Qb+7mH3Xp7bXc2OCfqyC2ZTWFdoGd2uWlBsnW/QNJK83&wchk=6f319533b3a4d0bfe50d08c171939d323d48703e		2,00		**20,000**
2	"Sistem de apărare împotriva dronelor bazat pe platforme radio definite prin software", Proiect UEFISCDI, PN-III-P2-2.1-PED-2019-1951, no. 410PED/01.11.2020, director de proiect Alexandru MARŢIAN (2020-2022), https://uefiscdi.gov.ro/resource-821165-d2_rezerva.pdf?&wtok=&wtkps=XU5LbsMgEL0L68Q1jAh4vOkJokg9ATHYpQ3GNaZOGvnuAVSpn9W8eT89hQLvAQFJsJq0ATlDQuXsrq99s7DJDc2HVDCK5Qt8PM/GR786+RYP570eJxeH/e1dyf6QsxSJzTdVcPENnhfSqqTci+x+P8lrUdK6abetTOh0yBQIlssEEq2n8fTyBKJmksmay1Kaoj/MjlHKgVKgUCbwkjr+y9AayV9jmraaDCAh53W8mMrPQxVNb0OnbfVpzVqpebGdv5B2ewA=&wchk=0ab3574eea8ddc929442ea767f0672c753b57e56		1,50		**15,000**
	A2.4.2.1 Granturi / proiecte de cercetare câştigate prin competiţie [6] sau Contracte cu agenţi economici în valoare de minim 10.000 dolari SUA echivalent încasaţi [6] în calitate de director sau responsabil contract (Membru în echipă) - internaţionale		Nr.ani		
1	O. Fratu, ... A. Martian, ..., " eWall for Active Long Living" (eWALL), Proiect European de tip integrat FP7, no. 610658, 2013-2016		3,00		**12,000**
2	A.Rusu, A. Martian, ..., "GaVPro Developing a Galileo Vector Processing Receiver for Difficult Signal Conditions", finanţat de European Space Agency (ESA), Nr. 4000114741/15/NL/ MM_EGEP ID 89.29 Durata: 2015-2016		1,00		**4,000**

	A2.4.2.2 Granturi / proiecte de cercetare câștigate prin competiție [6] sau Contracte cu agenți economici în valoare de minim 10.000 dolari SUA echivalent încasați [6] în calitate de director sau responsabil contract (Membru în echipă) - naționale		Nr.ani		
1	"Tehnologia radio cognitiv si utilizarea eficienta a spectrului RF," proiect de cercetare CNCSIS-UEFISCSU, PN-II-IDEI, nr. 116/01.10.2007, director Ion Marghescu (2007-2010);		3,00		**6,000**
2	"Sisteme de detecție pentru radiația cosmică folosind noi tehnologii (DETCOS) ," contract UEFISCDI PNCDI II nr. 82-104/01.10.2008, director Octavian Fratu (2008-2011);		1,00		**2,000**
3	"Noi scheme de codare convoluțională de complexitate redusă operând în câmpuri Galois de ordin superior pentru corecția erorilor de canal," proiect de cercetare CNCSIS-UEFISCSU, PN-II-RU-TE, nr. 18/12.08.2010, director Călin Vlădeanu (2010-2013);		3,00		**6,000**
4	"Evoluția, modalitățile de implementare și de tranziție pentru radiodifuziunea digitală DVB în condițiile de utilizare eficientă a spectrului de frecvențe (DVB)," contract tip "Termeni de referință" nr. 106/08.08.2011, director Octavian Fratu (2011-2014).		2,00		**4,000**
5	"Scalable Radio Transceiver for Instrumental Wireless Sensor Networks (SaRaT-IWSN)," proiect de cercetare PCCA UEFISCDI, director Simona Halunga (2012-2016);		3,00		**6,000**
6	"HYBRID NAVCOM - Modeling hybrid communication-navigation systems for formation flying satellites," proiect de cercetare CDI finanțat de Agenția Spațială Română (ROSA) (2014-2016), director Remus Cacoveanu		2,00		**4,000**
7	"Advanced antennas for space communications (ADANSPACE)," proiect de cercetare CDI nr. 240-2013 finanțat de Agenția Spațială Română (ROSA), director Mihai Banciu (2013-2015).		3,00		**6,000**
8	„Platforma Software integrata pentru analiza malware a terminalelor mobile (ToR-SIM)" - contract PN3 tip "Solutii" nr. 5Sol/2017, director de proiect Prof. Octavian FRATU (2017-2019).		3,00		**6,000**
9	"Sistem de acces wireless hibrid cu adresare unica (SAWHAU)," proiect de cercetare PNCDI II Parteneriate nr. 12-126/01.10.2008, director Octavian Fratu (2008-2011);		1,00		**2,000**
10	"Platforma de sisteme inteligente multiagent pentru monitorizarea calitatii apei pe sectorul romanesc al Dunarii si Deltei Dunarii (MultiMonD2)", Contract nr. 33PCCDI/2018, Proiect UEFISCDI de tip complex de CDI, director de proiect Octavian Fratu (2018-2020);		2,00		**4,000**
11	"SISTEM de TELEMETRIE pentru AGRICULTURA INTELIGENTĂ (SmartAgro)", contract subsidiar nr. 8592 / 08.05.2018 din cadrul proiectului "Ecosistem de cercetare, inovare și dezvoltare de produse și servicii TIC pentru o societate conectată la Internet of Things – NETIO" cod MySmis 105976, Programul Operațional Competitivitate 2014-2020, Axa prioritară 1: Cercetare, dezvoltare tehnologică și inovare (CDI) în sprijinul competitivității economice și dezvoltării afacerilor, Domeniul major de intervenție: Parteneriate pentru transfer de cunoștințe, contract nr. 53/05.09.2016, director de proiect Ioana MARCU (2018-2020);		2,00		**4,000**
12	"A Massive MIMO Enabled IoT Platform with Networking Slicing for Beyond 5G IoV/V2X and Maritime Services (SOLID-B5G)", finanțat prin Mecanismul Financiar Norvegian (Norway Grants), cod RO-NO-2019-0499, director de proiect Marius Vochin (2021-2024).		1,00		**2,000**
13	"Sistem de detecție spectru RF (DET-RF)", grant intern UPB-GEX2017, nr. 34/25.09.2017, director proiect Alexandru Marțian (2017-2018), https://upb.ro/wp-content/uploads/2017/11/Rezultate_Finale_UPB-GEX2017-final.pdf		1,00		**2,000**
14	"Sisteme de detecție spectrală pentru echipamente de tip radio cognitiv", bursa Postdoctorala din fonduri POSDRU, proiect INNORESEARCH, director Alexandru Martian (2014-2015)		1,50		**3,000**
	Total A2			**44,348**	**865,245**

Nr.crt.	A3 - Recunoașterea și impactul activității A3.1.1 Citări [7] în cărți, reviste și volume ale unor manifestări științifice - cărți, ISI [8]	Baza de date	Nr. Autori articol citat	[7], [8]	Punctaj
Articol citat	**A. Marțian**, I. Marcu, I. Marghescu, "Spectrum Occupancy in an Urban Environment: A Cognitive Radio Approach", în Proc. 6th Advanced International Conference on Telecommunications, AICT 2010, ISBN 978-1-4244-6748-8, Barcelona, Spania, Mai 2010, pp 25-29. (IEEE Xplore), doi: 10.1109/AICT.2010.90				
1	M. López-Benítez and F. Casadevall, "Time-Dimension Models of Spectrum Usage for the Analysis, Design, and Simulation of Cognitive Radio Networks," in IEEE Transactions on Vehicular Technology, vol. 62, no. 5, pp. 2091-2104, Jun 2013.	ISI-Q1	3		**5,333**
2	M. Lopez-Benitez and F. Casadevall, "Empirical Time-Dimension Model of Spectrum Use Based on a Discrete-Time Markov Chain With Deterministic and Stochastic Duty Cycle Models," in IEEE Transactions on Vehicular Technology, vol. 60, no. 6, pp. 2519-2533, July 2011. doi: 10.1109/TVT.2011.2157372, WOS:000293684600009, https://ieeexplore.ieee.org/document/5772032	ISI-Q1	3		**5,333**
3	M. López-Benítez and F. Casadevall, "Discrete-time spectrum occupancy model based on Markov Chain and duty cycle models," New Frontiers in Dynamic Spectrum Access Networks (DySPAN), 2011 IEEE Symposium on, Aachen, 2011, pp. 90-99. doi: 10.1109/DYSPAN.2011.5936273, WOS:000360301900010	ISI	3		**2,667**
4	J. Naganawa, H. Kim, S. Saruwatari, H. Onaga and H. Morikawa, "Distributed spectrum sensing utilizing heterogeneous wireless devices and measurement equipment," New Frontiers in Dynamic Spectrum Access Networks (DySPAN), 2011 IEEE Symposium on, Aachen, 2011, pp. 173-184. doi: 10.1109/DYSPAN.2011.5936204, WOS:360301900019.	ISI	3		**2,667**
5	M. Lopez and F. Casadevall, Spectrum usage in cognitive radio networks: from field measurements to empirical models. "IEICE transactions on communications", Febrer 2014, vol. E97-B, núm. 2, p. 242-250. WOS:331343500002	ISI	3		**2,667**
6	S. P. Eswaran and J. Bapat, "Opportunistic spectrum usage scheduling: Time series approach," Communications (MICC), 2013 IEEE Malaysia International Conference on, Kuala Lumpur, 2013, pp. 172-177. doi: 10.1109/MICC.2013.6805820, WOS:351846000032	ISI	3		**2,667**

7	Cooperative Radio Networks," in IEEE Transactions on Communications, vol. 62, no. 7, pp. 2183-2197, July 2014. doi: 10.1109/TCOMM.2014.2325041, WOS: 000341571000004, https://ieeexplore.ieee.org/document/6817604	ISI-Q1	3		5,333
8	multi-receiver scheduling," 2014 IEEE 25th Annual International Symposium on Personal, Indoor, and Mobile Radio Communication (PIMRC), Washington DC, 2014, pp. 664-669.	ISI	3		2,667
9	Abdallah S. Abdallah, Allen B. MacKenzie, Vuk Marojevic, Juha Kalliovaara, Roger B. Bacchus, Ali Riaz, Dennis Roberson, Juhani Hallio, Reijo Ekman, "Detecting the impact of human mega-events on spectrum usage," 2016 13th IEEE Annual Consumer Communications & Networking Conference (CCNC), Las Vegas, NV, 2016, pp. 523-529. doi: 10.1109/CCNC.2016.7444835, WOS: 000382042200114	ISI	3		2,667
10	Singh, Ajit, K. Krishna Naik, and CR Suthikshn Kumar. "TV white spaces exploration for cognitive radio: taxonomy and research issues." Telecommunication Systems 75.1 (2020): 109-139.	ISI	3		2,667
11	M. López-Benítez and F. Casadevall, "Space-Dimension Models of Spectrum Usage for Cognitive Radio Networks," in IEEE Transactions on Vehicular Technology, vol. 66, no. 1, pp. 306-320, Jan. 2017. doi: 10.1109/TVT.2016.2535903, WOS: 000394178000025, https://ieeexplore.ieee.org/document/7422155	ISI-Q1	3		5,333
Articol citat	**A. Marțian, C. Vladeanu, I. Marcu, and I. Marghescu, Evaluation of Spectrum Occupancy in an Urban Environment in a Cognitive Radio Context, International Journal on Advances in Telecommunications, IARIA, vol. 3, nr. 3&4, pag. 172-181, Dec. 2010.**				Punctaj
1	G.M. Kagarura, D.K. Okello, R.N. Akol, Evaluation of Spectrum Occupancy: A Case for Cognitive Radio in Uganda, IEEE Ninth International Conference onMobile Ad-hoc and Sensor Networks (MSN), 2013, pp.167-174, Dalian, 11-13 Dec. 2013, INSPEC Accession Number: 14064212, WOS: 000346362100026.	ISI	4		2,000
2	F. Paisana, N. Marchetti, L. DaSilva, Radar, TV and Cellular Bands: Which Spectrum Access Techniques for Which Bands?, Communications Surveys & Tutorials, IEEE , vol.PP, no.99, pp.1-28, ISSN: 1553-877X, WOS: WOS:000343072200003, DOI: 10.1109/SURV.2014.031914.00078. 2014, https://ieeexplore.ieee.org/document/6803099	ISI-Q1	4		4,000
3	F. Paisana, J. P. Miranda, N. Marchetti, L. DaSilva, Database-aided sensing for radar bands, IEEE International Symposium on Dynamic Spectrum Access Networks (DYSPAN), 2014, pp.1-6, McLean, VA, USA, 1-4 April 2014, WOS: 000341654800001.	ISI	4		2,000
4	Omotola Babalola, Emmanuel J.D. Garba, Ibrahim Oladimeji, A. S. Bamiduro, Nasir Faruk, Olugbenga A. Sowande, Olayiwola Bello, Adeseko A. Ayeni, Mujahid. Y. Muhammad, "Spectrum occupancy measurements in the TV and CDMA bands," 2015 International Conference on Cyberspace (CYBER-Abuja), Abuja, 2015, pp. 192-196, doi: 10.1109/CYBER-Abuja.2015.7360504, WOS: 000380528300009	ISI	4		2,000
5	S. B. Mule, G. C. Manna and N. Nathani, "Assessment of spectral efficiency about 900 MHz using GSM and CDMA technologies for mobile cognitive radio," Pervasive Computing (ICPC), 2015 International Conference on, Pune, 2015, pp. 1-5. doi: 10.1109/PERVASIVE.2015.7087043, WOS:000380407300082	ISI	4		2,000
6	A. O. Abdul Salam, R. E. Sheriff, S. R. Al-Araji, K. Mezher and Q. Nasir, "An overview on non-parametric spectrum sensing in cognitive radio," 2014 9th International Conference on Computer Engineering & Systems (ICCES), Cairo, 2014, pp. 14-19. doi: 10.1109/ICCES.2014.7030919, WOS:000380480700003	ISI	4		2,000
7	A. O. A. Salam, R. E. Sheriff, S. R. Al-Araji, K. Mezher and Q. Nasir, "Multi-taper and MIMO techniques for spectrum sensing in cognitive radio," 2015 IEEE International Conference on Electronics, Circuits, and Systems (ICECS), Cairo, 2015, pp. 173-178. doi: 10.1109/ICECS.2015.7440277, WOS:000380571000043	ISI	4		2,000
8	László Csurgai-Horváth, István Rieger, and József Kertész, "A Survey of the DVB-T Spectrum: Opportunities for Cognitive Mobile Users," Mobile Information Systems, vol. 2016, Article ID 3234618, 11 pages, 2016. doi:10.1155/2016/3234618, WOS:000382065600001	ISI	4		2,000
9	Nasir Faruk, Olayiwola Wasiu Bello, O.A. Sowande, S.O. Onidare, M.Y. Muhammad, A.A. Ayeni, Large scale spectrum survey in rural and urban environments within the 50 MHz–6 GHz bands, Measurement, Volume 91, September 2016, Pages 228-238, ISSN 0263-2241, https://doi.org/10.1016/j.measurement.2016.05.046, WOS:000379507400028, https://www.sciencedirect.com/science/article/pii/S0263224116302020	ISI-Q2	4		4,000
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12	N. Nathani, G. C. Manna, and S. B. Mule, An Empirical Assessment of Quasi-Permanently Vacant Channels in Mobile Communication Bands for Cognitive Radio, The 15th International Conference on Advanced Communications Technology (ICACT 2013), Phoenix Park, PyeongChang, Korea, 17 - 30 Jan, 2013, ISSN: 1738-9445, paper 558, WOS: 000353635000100.	ISI	4		2,000
13	A. V. Padaki, R. Tandon and J. H. Reed, "Efficient Spectrum Access and Co-Existence With Receiver Nonlinearity: Frameworks and Algorithms," in IEEE Transactions on Wireless Communications, vol. 17, no. 10, pp. 6404-6418, Oct. 2018, doi: 10.1109/TWC.2018.2859416, WOS:000447047200003, https://ieeexplore.ieee.org/document/8424241	ISI-Q1	4		4,000
14	Xu Wang ; Sabit Ekin ; Erchin Serpedin, "Joint Spectrum Sensing and Resource Allocation in Multi-Band-Multi-User Cognitive Radio Networks", IEEE Transactions on Communications (Volume: 66 , Issue: 8 , Aug. 2018) DOI: 10.1109/TCOMM.2018.2807432, WOS:000442309400005, https://ieeexplore.ieee.org/document/8294277	ISI-Q1	4		4,000
15	Amr Nabil, Aditya V. Padaki, Mohammad J. Abdel-Rahman, Mustafa ElNainay, Allen B. MacKenzie, Jeffrey H. Reed, "On Optimal Resource Allocation in Multi-RAT Wireless Networks With Receiver Characteristic Awareness", IEEE TRANSACTIONS ON COGNITIVE COMMUNICATIONS AND NETWORKING,Volume: 5, Issue: 1, Pages: 103-118, Published: MAR 2019 WOS: 000460672300010	ISI-Q1	4		4,000
16	Chantaveerod, A., Woradit, K. and Pochaiya, C., 2021. Spectrum Occupancy Model Based on Empirical Data for FM Radio Broadcasting in Suburban Environments. Sensors, 21(12), p.4015. WOS:000666759800001	ISI-Q1	4		4,000

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Articol citat	**A. Marțian**, B.T. Sandu, O. Fratu, I. Marghescu, R. Crăciunescu, "Spectrum Sensing based on Spectral Correlation for Cognitive Radio Systems", in Proc. Global Wireless Summit WirelessVitae2014, Aalborg, Denmark, May 2014, pp.1-4. (ISI Web of Knowledge, IEEE Xplore)				Punctaj
1	Bilal Muhammad Khan, Muhammed Mustaqim, Bilal A. Khawaja and Syed ShabeehUlHusnain, Spectrum sensing in satellite cognitive radios: Blind signal detection technique, in Microwave and Optical Technology Letters Volume 58, Issue 6, pages 1377–1384, June 2016, CCC:000373107700027, WOS:000373107700027	ISI	5		1,600
2	Khan, Bilal Muhammad and Bilal, Rabia, Blind Signal Detection Techniques for Spectrum Sensing in Satellite Communication: Blind Signal Detection Techniques for Satellite Communication ,HANDBOOK OF RESEARCH ON RECENT DEVELOPMENTS IN INTELLIGENT COMMUNICATION APPLICATION, p. 1-48. 2017, IGI Global, WOS:000409917800002	ISI	5		1,600
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Articol citat	A.F. Păun, C. Vlădeanu, I. Marghescu, S. El Assad, **A. Marțian**, "On the QAM Parallel Turbo-TCM Schemes using Recursive Convolutional GF(2N) Encoders", in Proc. 18th European Signal Proc. Conf., EUSIPCO 2010, Aalborg, Denmark, August 2010. (ISI Web of Knowledge, EURASIP)				Punctaj
1	Calin Vladeanu, Safwan El Assad, Nonlinear Digital Encoders for Data Communications, ISBN: 978-1-84821-649-5, February 2014, Wiley-ISTE, WOS:000351866500008	Carte	5		1,600
2	C. Vladeanu and S. El Assad, "Punctured 8-PSK Turbo-TCM transmissions using recursive systematic convolutional GF(2N) encoders," 2011 19th European Signal Processing Conference, Barcelona, 2011, pp. 111-115, WOS:000377963100023.	ISI	5		1,600
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Articol citat	E. Zainea, **A. Marțian**, I. Marcu, O. Fratu,"Transition from Analog to Digital Broadcasting: A spectral efficiency review", în Proc. 10th International Symposium on Electronics and Telecommunications (ISETC'12), Timișoara, November 2012, pp. 171-175, ISBN: 978-1-4673-1175-5. (ISI Web of Knowledge, IEEE Xplore)				Punctaj
1	G. Suciu, A. Vulpe, S. Halunga, O. Fratu, G. Todoran and V. Suciu, "Smart Cities Built on Resilient Cloud Computing and Secure Internet of Things," 2013 19th International Conference on Control Systems and Computer Science, Bucharest, 2013, pp. 513-518.	ISI	4		2,000
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