

FIȘA DE VERIFICARE

a îndeplinirii standardelor minime naționale pentru postul de profesor universitar

Domeniul: Ingineria Sistemelor, nr. 29, Comisia 15 CNATDCU

Activitatea didactică și profesională (A1)

Indi-cato-rul	Denumi-rea indica-torului	Punc-tajul	Elementul pentru care se acordă punctajul
A1.1.1	Carti/ Monografii și capitole de carti de specialitate în edituri recunoscute internatio-nale	4,16	1. M.M. Balas , C. Musca and S. Musca. <i>The Passive Greenhouses</i> , Chapter 5 in <i>Paths to Sustainable Energy</i> , edited by J. Nathwani and A. Ng, <i>InTech Open</i> , 2010 , pp. 75-92. http://www.intech-open.com/books/paths-to-sustainable-energy/the-passive-greenhouses . ISBN 978-953-307-401-6.
		6,25	2. Valentina E. Bălaș, Marius M. Bălaș , <i>Fuzzy Systems towards Field Applications</i> , Rudolf Seising, Enric Trillas, Claudio Moraga, and Settimo Termini (eds.), <i>On Fuzziness. A Homage to Lotfi A. Zadeh</i> , Springer Verlag, Berlin, New York, 2013 , Volume 216, Chapter 25, pag. 189-195, http://link.springer.com/book/10.1007/978-3-642-35641-4/page/1 , http://link.springer.com/chapter/10.1007/978-3-642-35641-4_3#page-1
		12,5	3. M.M. Balas . <i>A New Generation of Biomedical Equipment Based on FPGA. Arguments and Facts</i> . Chapter in <i>Advanced Intelligent Computational Technologies and Decision Support Systems. Studies in Computational Intelligence</i> , edited by B. Iantovics and R. Kountchev, <i>Springer</i> , 2014 , Vol. 486, pp. 123-134. Print ISBN 978-3-319-00466-2, Online ISBN 978-3-319-00467-9.
	Total carti inter-nationale	22,91	

A1.1.2	Carti/Mono grafii și capitole de cărți de specialitate în edituri recunoscute naționale	50	1. M.M. Bălaș , <i>Introducere în electronica. Circuite electronice liniare</i> . Editura Universității "Aurel Vlaicu" din Arad, 203 pagini. 2013 . ISBN 978-973-752-673-1.
		6,25	2. Valentina E. Bălaș, Marius M. Bălaș . <i>A Survey on the Constant Time to Collision Techniques</i> , Lotfi A. Zadeh, Dan Tufiș, Florin Gheorghe Filip, Ioan Dzitac (eds.), <i>From Natural Language to Soft Computing: New Paradigms in Artificial Intelligence</i> , Editing House of Romanian Academy, 2008 , pag. 23-31. ISBN:978-973-27-1678-6.
		6,25	3. Marius M. Bălaș , Valentina E. Bălaș. <i>World Knowledge for Controllers by Fuzzy-Interpolative Systems</i> , Lotfi A. Zadeh, Dan Tufiș, Florin Gheorghe Filip,

		50	Ioan Dzitac (eds.), From Natural Language to Soft Computing: New Paradigms in Artificial Intelligence, Editing House of Romanian Academy, 2008 , pag.11-21. ISBN:978-973-27-1678-6, 4. M.M. Bălaș. Regulatori fuzzy-interpolative. Editura Politehnica Timișoara, 2002 , 110 pagini. ISBN 973-625-036-9.
	Total carti nationale	112,5	

A1.2.1	Lucrări didactice	20	1. Marius M. Bălaș , Valentina E. Bălaș, <i>Curs de dispozitive electronice</i> , Editura Universității "Aurel Vlaicu" Arad, 2003 , 126 pagini. ISBN 973-9361-83-8.
		20	2. Marius M. Bălaș , Valentina E. Bălaș, <i>Dispozitive și circuite electronice</i> , Îndrumător de laborator, Editura Universității "Aurel Vlaicu" Arad, 2000 , 55 pagini. ISBN 973-9361-38-2.
	Total didactic	40	


	TOTAL A1	175,41 100	
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A2.1a	Articole în reviste cotate ISI	8,81	1. Asad, Muhammad Usman; Farooq, Umar; Gu, Jason; Balas, Valentina E.; Abbas, Ghulam; Balas, Marius ; Muresan, Vlad, <i>An enhanced state convergence architecture incorporating disturbance observer for bilateral teleoperation systems</i> , INTERNATIONAL JOURNAL OF ADVANCED ROBOTIC SYSTEMS Volume: 16 Issue: 5, Article Number: 1729881419880052, DOI: 10.1177/1729881419880052, WOS:000491057400001 Published: Sept. 2019, ISI indexed (impact factor: 1,223), Q4
		10,17	2. Umair Tahir, Ghulam Abbas, Dan Ovidiu Glavan, Valentina E Balas, Umar Farooq, Marius M Balas , Ali Raza, Muhammad Usman Asad, Jason Gu, <i>Design of Three Phase Solid State Transformer Deployed within Multi-Stage Power Switching Converters</i> , APPLIED SCIENCES, Vol. 9, Nr. 17, Pagini 3545, 2019 , Article Number: 3545, DOI: 10.3390/app9173545, WOS: 000488603600107, ISI indexed (impact factor: 2,217), Q2
		10,62	3. Abbas, Ghulam, Nazeer, Muhammad Qumar, Balas, Valentina E., Lin, Tsung-Chih, Balas, Marius M. , Asad, Muhammad Usman, Raza, Ali, Shehzad, Muhammad Naeem, Farooq, Umar, Gu, Jason, <i>Derivative-Free Direct Search Optimization Method for Enhancing Performance of Analytical Design Approach-Based Digital Controller for Switching Regulator</i> , ENERGIES, Volume: 12, Issue: 11, Article Number: 2183, DOI: 10.3390/en12112183, WOS:000472635900150, Published: JUN 1 2019, ISI indexed (impact factor: 2,707), Q3
		11,80	4. Ashraf, Naveed, Izhar, Tahir, Abbas, Ghulam, Balas, Valentina E., Balas, Marius M. , Lin, Tsung-Chih, Asad, Muhammad Usman, Farooq, Umar, Gu,

			Jason, <i>A Single-Phase Buck and Boost AC-to-AC Converter with Bipolar Voltage Gain: Analysis, Design, and Implementation</i> , ENERGIES, Volume: 12, Issue: 7, Article Number: 1376, DOI: 10.3390/en12071376, WOS: 000465561400193, Published: April 1, 2019 , ISI indexed (impact factor: 2,707), Q3
		10,59	5. Asad, Muhammad Usman; Farooq, Umar; Gu, Jason; Balas, Valentina E.; Abbas, Ghulam; Balas, Marius M. <i>Design of a Composite State Convergence Controller for a Nonlinear Telerobotic System</i> . ACTA POLYTECHNICA HUNGARICA_ Volume: 16 Issue: 10 Special Issue: SI Pages: 157-172, WOS: 000506635900010, Published: 2019 , ISI indexed (impact factor: 1,286), Q3
		10,60	6. Farooq, Umar; Gu, Jason; Balas, Valentina E.; Abbas, Ghulam; Asad, Muhammad Usman; Balas, Marius M. , <i>A Hybrid Time Series Forecasting Model for Disturbance Storm Time Index using a Competitive Brain Emotional Neural Network and Neo-Fuzzy Neurons</i> , ACTA POLYTECHNICA HUNGARICA, Volume: 16, Issue: 4, Pages: 213-229, 2019 , DOI: 10.12700/APH.16.4.2019.4.11, WOS:000476902300011, ISI indexed (impact factor: 1,286), Q3
		9,74	7. Abbas, Ghulam; Gu, Jason; Farooq, Umar; Abid, Muhammad Irfan ; Raza, Ali; Asad, Muhammad Usman; Balas, Valentina E.; Balas, Marius , <i>Optimized Digital Controllers for Switching-Mode DC-DC Step-Down Converter</i> , ELECTRONICS, Volume: 7, Issue: 12, Article Number: 412, Dec. 2018 , DOI: 10.3390/electronics7120412, WOS: 000455067800071, ISI indexed (impact factor: 1,764), Q2 in 2018.
		29,76	8. Venkataraman Yegnanarayanan, Gayathri Yegnanarayanan, Marius M. Balas. <i>On Coloring Catalan Number Distance Graphs and Interference Graphs</i> . SYMMETRY. Vol. 19, issue 10, pp. 468-470, 2018 . ISSN: 2073-8994, Article Number: 468, DOI: 10.3390/sym10100468, WOS:000448561000048, ISI indexed (impact factor: 2,143) Q2
		10,60	9. Farooq, Umar; Asad, Muhammad Usman; Gu, Jason; Abbas, Ghulam; Balas, Valentina E; Balas, Marius M. , <i>Design of a Single-Master/Multi-Slave Nonlinear Teleoperation System through State Convergence with Time Varying Delays</i> , ACTA POLYTECHNICA HUNGARICA, Volume: 15, Issue: 8, Pages: 55-82, 2018 , DOI: 10.12700/APH.15.8.2018.8.3, WOS:000460524600003, ISI indexed (impact factor: 1,286), Q3
		7,95	10. Umar Farooq, Jason Gu, Mohamed El-Hawary, Valentina E. Balas, Marius M. Balas , Ghulam Abbas, Muhammad Usman Asad, Jun Luo. <i>State convergence-based control of a multi-master-single-slave non-linear teleoperation system</i> . ACTA POLYTECHNICA HUNGARICA, Vol. 15, Issue 4, pp. 7-26. 2018 . ISSN: 1785-8860, DOI: 10.12700/APH.15.4.2018.4.1, WOS: 000442389300001, ISI indexed (impact factor: 1,286), Q3
		26,60	11. Chakraborty Sayan; Dey Nilanjan; Samanta Sourav; Ashour Amira; Barna C.; Balas Marius , <i>Optimization of Non-rigid Demons Registration Using Cuckoo Search Algorithm</i> . COGNITIVE COMPUTATION Volume: 9 Issue:

		<p>11,13</p> <p>63,58</p>	<p>6 Pages: 817-826 Published: Dec. 2017, DOI: 10.1007/s12559-017-9508-y, WOS:000417682600007, ISI indexed (impact factor: 4,287), Q1</p> <p>12. Sidharthan, Rakesh Kumar; Kannan, Ramkumar; Srinivasan, Seshadhri; Balas, Marius Mircea, , ADVANCES IN ELECTRICAL AND COMPUTER ENGINEERING Volume: 16 Issue: 4 Pages: 15-22 Published: 2016, DOI: 10.4316/AECE.2016.04003, WOS:000390675900003, ISI indexed (impact factor: 0,65), Q4</p> <p>13. M.M. Balas. <i>Seven Passive Greenhouse Synergies</i>. ACTA POLITEHNICA HUNGARICA, Budapest, Vol. 11, No. 4, 2014, pp. 199-210. ISSN: 1785-8860. WOS:000336555700013, ISI indexed (impact factor: 1,286), Q3</p>
	Reviste ISI	221,95	Factor de impact: 24,128

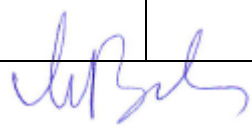
A2.1b	Articole în manifestări științifice indexate ISI Proceedings	<p>8,125</p> <p>16,25</p> <p>10,83</p> <p>10,83</p>	<p>1. R. E. Precup, S. Preitl, Marius M. Bălaș, Valentina E. Bălaș, <i>Fuzzy Controllers for Tire Slip Control in Anti-lock Braking Systems</i>. Proceedings of the 2004 IEEE International Conference on Fuzzy Systems, FUZZ-IEEE ,04, Budapest, 25-29 July 2004, Volume 3, pag. 1317 – 1322, Indexed by INIST-CNRS, Cote INIST: Y 38577(1), 35400013866828.2270, Indexed by IEE INSPEC IEEE CNF, INSPEC Accession Number: 8254425, IEEE Catalog Number 04CH37542, ISBN 0-7803-8353-2, ISSN 1098-7584, 10.1109/FUZZY.2004.1375359. INSPEC Indexed, IEEE Xplore, (ARC Cat. A). (Factor impact: 0,25), Scopus</p> <p>2. Marius M. Bălaș, Valentina E. Bălaș, <i>Modeling Passive Greenhouses. The Sun's Influence</i>, INES 2008, 12th IEEE International Conference on Intelligent Engineering Systems, February 25-29, Miami, Florida, USA, pp.71-75, IEEE Catalog Number: CFP08IES-CDR, ISBN: 978-1-4244-2083-4, Library of Congress: 2008900450, ISSN: 1543-9259, DOI: 10.1109/INES.2008.4481272. https://ieeexplore.ieee.org/document/4481272. IEEEINSPEC Indexed, IEEE Xplore, ISI Proceedings. (Factor impact: 0,25)</p> <p>3. Marius M. Bălaș, Valentina E. Bălaș, J. Duplaix, <i>Optimizing the Distance-Gap between Cars by Constant Time to Collision Planning</i>. 2007 IEEE International Symposium on Industrial Electronics, June 4-7, 2007, Vigo, Spain, pag. 109 Abstract Book, CD Proceedings, pag. 304-309, IEEE Catalog Nr.r: 07TH8928C, ISBN: 1-4244-0755-9 Library of Congress: 2006935487, DOI: 10.1109/ISIE.2007.4374616. https://ieeexplore.ieee.org/document/4374616. INSPEC Indexed, IEEE Xplore, ISI Proceedings. (Factor impact: 0,25)</p> <p>4. Marius M. Bălaș, V.E. Bălaș, C. Barna, <i>The Constant Effort Imposed Distance Braking for Urban Railway Vehicles</i>. EUROCON 2005 – The International Conference <i>Computer as a Tool</i>, Belgrade, Serbia and Montenegro, November 21-24, 2005, IEEE Catalog Number: 05EX1255C. ISBN: 1-4244-0050-3, pag. 365-368, DOI: 10.1109/EURCON.2005.1629937. https://ieeexplore.ieee.org/document/1629937. INSPEC Indexed, IEEE Xplore. (Factor impact: 0,25), CNF, Scopus</p>
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		16,25	<p>5. Valentina E. Bălaș, Marius M. Bălaș. <i>Traffic Management by Constant Time to Collision</i>, Ignac Lovrek, Robert J. Howlett and Lakhmi C. Jain (eds.), Book: <i>Knowledge-Based Intelligent Information and Engineering Systems</i>, 12th International Conference, KES 2008, Zagreb, Croatia, September 3-5, 2008, Proceedings, Part III, LNCS 5179/2008, pag. 658–663, 2008, © Springer-Verlag Berlin Heidelberg 2008, ISBN 978-3-540-85566-8, http://www.springerlink.com/content/54066776m5814356/, DPLB (Computer Science Bibliography) indexed, ACM, SCOPUS indexed, (ARC Cat. B).</p>
		16,25	<p>6. Marius M. Bălaș, Valentina E. Bălaș, <i>Adaptive Rule-Based Reasoning by Qualitative Analysis</i>, 13 International Conference on Information Processing and Management of Uncertainty, IPMU 2010, Dortmund, Germany, June 28-July 2, Proceedings, Part I, Communications in Computer and Information Science, 2010, Volume 80, Part 3, Part 11, pag. 553-560, E. Hullermeier, R. Kruse, F. Hoffman (Eds.), Springer-Verlag, Berlin –Heidelberg 2010, ISSN 1865-0929, ISBN-10 3-642-14054-8 Springer Berlin Heidelberg NewYork, (Factor impact: 0,25) http://www.springerlink.com/content/u50w1n1652815147/, (ARC Cat. C)</p>
		16,25	<p>7. Marius M. Balas, Valentina E. Balas, <i>A Sustainable Alimentation System for Our Future: The Passive Greenhouse</i>, Proceedings of the European Computing Conference (ECC '09) and the 3rd International Conference on Computational Intelligence (ci'09), Session: Computation Intelligence Application, Tbilisi, Georgia, June 26-28, 2009, pag. 86-90, ISSN 1790-5117, ISBN 978-960-474-088-8. (Factor impact: 0,25)</p>
		10,83	<p>8. M.M. Balas, V.E. Balas, N. E. Mastorakis, <i>The Fuzzy-Interpolative Adaptive Controllers</i>, Recent Advances in Fuzzy Systems, Proceedings of the 10th WSEAS International Conference on Fuzzy Systems (FS '09), Prague, Czech Republic, March 23-25, 2009, pag.18-21, ISBN: 978-960-474-066-6, ISSN: 1790-5109. (Factor impact: 0,25)</p>
		16,25	<p>9. Marius M. Bălaș, Valentina E. Bălaș, <i>Monoscopic CCD Cameras as Distance Sensors</i>, Editors: Calin Enachescu, Petru Maior University, Tg. Mures, Romania ; Barna L. Iantovics, Petru Maior University, Romania ; Gheorghe F. Florin, Romanian Academy, Bucharest, Romania, <i>BICS 2008: Proceedings of the 1st International Conference Bio-Inspired Computational Methods Used for Solving Difficult Problems--Development of Intelligent and Complex Systems</i>, American Institute of Physics, Conference Proceedings Volume 1117, 2009, ISBN: 978-0-7354-0654-4, pp. 67-73, http://proceedings.aip.org/dbt/dbt.jsp?KEY=APCPCS&Volume=1117&Issue=1, ISI Proceedings. (Factor impact: 0,25), Scopus</p>
		16,25	<p>10. Valentina E. Bălaș, Marius M. Bălaș, <i>On the Switching Control</i>, Editors: Calin Enachescu, Petru Maior University, Tg. Mures, Romania; Barna L. Iantovics, Petru Maior University, Romania ; Gheorghe F. Florin, Romanian Academy, Bucharest, Romania, <i>BICS 2008: Proceedings of the 1st International Conference Bio-Inspired Computational Methods Used for Solving Difficult Problems--Development of Intelligent and Complex Systems</i>, American</p>

			Institute of Physics, Conference Proceedings, Volume 1117, 2009 , ISBN: 978-0-7354-0654-4, pp. 81-88, http://proceedings.aip.org/dbt/dbt.jsp?KEY=APCPCS&Volume=1117&Issue=1 , <i>ISI Proc.</i> (Factor impact: 0,25), <i>Scopus</i>
		10,83	11. Valentina E. Bălaș, Marius M. Bălaș , Mircea V. Putin-Racoviță, <i>Passive Greenhouses and Ecological Reconstruction</i> , INES 2008, 12th IEEE International Conference on Intelligent Engineering Systems, Feb. 25-29, 2008 , Miami, Florida, USA, pp.77-81, IEEE Catalog Number: CFP08IES-CDR, ISBN: 978-1-4244-2083-4, Library of Congress: 2008900450, ISSN: 1543-9259. DOI: 10.1109/INES.2008.4481273. https://ieeexplore.ieee.org/document/4481273 . ISSN: 1543-9259. <i>INSPEC Indexed, IEEE Xplore, ISI Proceedings.</i> (Factor impact: 0,25)
		16,25	12. Marius M. Bălaș , Valentina E. Bălaș, <i>Some Observations on Stability of Switching Adaptive Rule Based of Fuzzy Self-Adapted Interpolative Controllers</i> . ISCIII'07 3rd International Symposium on Computational Intelligence and Intelligent Informatics, Proceedings, March 28-30, 2007 , Agadir, Morocco, pag. 63-66, IEEE Catalog Number: 07EX1756, ISBN: 1-4244-1157-2, <i>INSPEC Indexed, IEEE Xplore, ISI Proceedings.</i> (Factor impact: 0,25)
		16,25	13. Valentina E. Bălaș, Marius M. Bălaș , <i>Switching Adaptive Correctors for Fuzzy Fusion Self-Adapted Interpolative Controllers</i> . ISCIII'07 3rd International Symposium on Computational Intelligence and Intelligent Informatics, Proceedings, March 28-30, 2007 , Agadir, Morocco, pag. 67-72, IEEE Catalog Number: 07EX1756, ISBN: 1-4244-1157-2, DOI: 10.1109/ISCIII.2007.367364 . https://ieeexplore.ieee.org/document/4218397 . <i>INSPEC Indexed, IEEE Xplore, ISI Proceedings.</i> (Factor impact: 0,25), <i>Scopus</i>
		16,25	14. Marius M. Bălaș , Valentina E. Bălaș, <i>A Simple Model of the Air Conditioning Installation of a Compartmented Railway Coach</i> , ICCC 2007, Proceedings, 5th IEEE International Conference on Computational Cybernetics, Gammart, Tunisia, October 19-21, 2007 , pp. 271-274, IEEE Catalog Number: 07EX1750C, ISBN: 1-4244-1146-7, Library of Congress: 2007922966, <i>INSPEC Indexed, ISI Indexed.</i> (Factor impact: 0,25)
		16,25	15. Marius M. Bălaș , Valentina E. Bălaș, <i>World Knowledge for Control Applications</i> . INES 2007 Proceedings, 29 June-1 July, 2007, Budapest, Hungary, 11th International Conference on Intelligent Engineering Systems, pag. 225-228, IEEE Catalog Number: 07EX1751, ISBN: 1-4244-1147-5, Library of Congress: 2007922965, DOI: 10.1109/INES.2007.4283702 . <i>INSPEC Indexed, IEEE Xplore, ISI Proceedings.</i> (Factor impact: 0,25), <i>Scopus</i>
		10,83	16. Marius M. Bălaș , Valentina E. Bălaș, J. Duplaix, <i>On the Switching Controllers' Issue</i> , 2nd IEEE International Workshop on Soft Computing Applications, 21-23 August 2007, Gyula-Hungary, Oradea-Romania, pp. 103-108, IEEE Catalog Number: CFP0728D, ISBN 978-1-4244-1607-3, Library of Congress: 2007905895, Digital Object Identifier 10.1109/SOFA.2007.4318313, Indexed by IEE INSPEC IEEE CNF, <i>INSPEC Indexed, IEEE Xplore, ISI Proceedings, (ARC Cat. C).</i> (Factor impact: 0,25), <i>Scopus</i>



		16,25	17. Marius M. Bălaș , Mircea Ciugudean, <i>CMOS-Integrated Temperature Relay Based on Widlar Mirror</i> . Chapter in <i>Proceedings of the 5th International Workshop on Soft Computing Applications SOFA'12</i> , Szeged, Hungary, Aug. 22-24. Series: <i>Advances in Intelligent and Soft Computing</i> , edited by V.E. Balas, J. Fodor, A. Varkonyi-Koczy, J. Dombi and L.C. Jain, <i>Springer</i> , 2013 , pp. 319-330. ISBN 978-3-642-33941-7. ISI indexed (impact fact.: 0,25)
		10,83	18. M.M. Balas , M. Socaci, O. Olaru. <i>A FPGA Floating Point Interpolator</i> . Chapter in <i>Proceedings of the 5th International Workshop on Soft Computing Applications SOFA'12</i> , Szeged, Hungary, August 22-24. Series: <i>Advances in Intelligent and Soft Computing</i> , edited by V.E. Balas, J. Fodor, A. Varkonyi-Koczy, J. Dombi and L.C. Jain, <i>Springer</i> , 2013 , pp. 331-336. ISBN 978-3-642-33941-7. ISI indexed (impact factor: 0,25)
		8,125	19. M.M. Balas , N.A. Chira, S.A. Matisan and F.M. Suciu. <i>Using License Plates Recognition for Automate Cruise Control</i> . Chapter in <i>Proc. of the 5th International Workshop on Soft Computing Applications SOFA'12</i> , Szeged, Hungary, August 22-24. Series: <i>Advances in Intelligent and Soft Computing</i> , edited by V.E. Balas, J. Fodor, A. Varkonyi-Koczy, J. Dombi and L.C. Jain, <i>Springer</i> , 2013 , pp. 605-609. ISBN 978-3-642-33941-7. ISI indexed (impact factor: 0,25)
		10,83	20. Marius M. Balas , Martin Buchholz, Sanda Balas. <i>Expert Control for the Coupled Tanks Greenhouse</i> . In: Balas V., Jain L., Kovačević B. (eds.) <i>Soft Computing Applications. Advances in Intelligent Systems and Computing</i> , Springer Cham, 2016 , vol. 357, pp. 939-947. https://doi.org/10.1007/978-3-319-18416-6_74 . ISI indexed (impact factor: 0,25)
		16,25	21. Marius M. Balas , Robert A. Boran. <i>Basic Expert System</i> . International Workshop Soft Computing Applications SOFA 24-26 Aug. 2016 . In: Balas V., Jain L., Balas M. (eds.) <i>Advances in Intelligent Systems and Computing book series</i> (AISC, volume 633), Springer Cham, 2018, vol. 1, pp. 10-17. ISSN 2194-5357. https://doi.org/10.1007/978-3-319-62521-8_2 . ISI indexed (impact factor: 0,25)
		16,25	22. Marius M. Balas , Adelin Sofrag. <i>Multi Framing HDR for MRI Brain Images</i> . International Workshop Soft Computing Applications SOFA 24-26 Aug. 2016 . In: Balas V., Jain L., Balas M. (eds.) <i>Advances in Intelligent Systems and Computing book series</i> (AISC, volume 633), Springer Cham, 2018, vol. 1, pp. 290-297. ISSN 2194-5357. https://doi.org/10.1007/978-3-319-62521-8_23 . ISI indexed (impact factor: 0,25)
		10,83	23. Marius M. Balas , Emanuela V. Muller, Ramona Lile. <i>Fuzzy-Expert System for Investments in Winemaking</i> . International Workshop Soft Computing Applications SOFA 24-26 Aug. 2016 . In: Balas V., Jain L., Balas M. (eds.) <i>Advances in Intelligent Systems and Computing book series</i> (AISC, volume 634), Springer Cham, 2018, vol. 2, pp. 278-285. ISSN 2194-5357. https://doi.org/10.1007/978-3-319-62524-9_22 . ISI indexed (impact factor: 0,25)



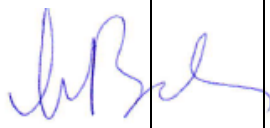
		16,25	24. Valentina E. Bălaș, Marius M. Bălaș . <i>Constant Time to Collision Platoons</i> , Int. J. of Computers, Communications & Control, ISSN 1841-9836, E-ISSN 1841-9844, Vol. III (2008), pp. 33-39, ISI indexed (impact factor: 0,25) http://www.journal.univagora.ro/?page=supp_issue2008 , http://www.journal.univagora.ro/download/icccc08.pdf . Scopus
		16,25	25. Marius M. Bălaș , Valentina E. Bălaș. <i>World Knowledge for Control Application by Fuzzy-Interpolative Systems</i> , Int. J. of Computers, Communications & Control, ISSN 1841-9836, E-ISSN 1841-9844, Vol. III (2008), pp. 28-32, http://www.journal.univagora.ro/?page=supp_issue2008 . ISI indexed (impact factor: 0,25)
		8,125	26. M. Balas , J. Duplaix, M. Bouchouicha, S.V. Balas. <i>Structural modeling of the wind's influence over the heat flow of the greenhouses</i> . Published in <i>Journal of Intelligent and Fuzzy Systems</i> , John Wiley & Sons, Special Issue: <i>Soft Computing and Applications</i> , Volume 19, Number 1, 2008, pp. 29-40. ISSN 1064-1246. https://content.iospress.com/articles/journal-of-intelligent-and-fuzzy-systems/ifs00379 . ISI indexed (impact factor: 0,25). Scopus
		16,25	27. Marius M. Bălaș , Valentina E. Bălaș – <i>Postmodernism and Control Engineering</i> , Rudolf Seising (editor): <i>Views on Fuzzy Sets and Systems from Different Perspective</i> . Philosophy, Logic; Criticism and Applications, Vol. 243, ISBN 978-3-540-93801-9, Cap 18, pag. 377-390, 2009, DPLB (Computer Science Bibliography) indexed , http://www.springerlink.com/content/n2jvt13463n5pj37/ , ISI indexed (impact factor: 0,25), Scopus
		16,25	28. Marius M. Bălaș , Valentina E. Bălaș – <i>The Fuzzy Interpolative Control for Passive Greenhouses</i> , H.N. Teodorescu, J. Watada, and L.C. Jain (eds.): <i>Intelligent Systems and Technologies</i> , SCI 217, Vol. 217, ISBN 978-3-642-01884-8, pp. 219–231, 2009, Springer, http://www.springer.com/engineering/book/978-3-642-01884-8 . ISI indexed (impact factor: 0,25), DPLB (Computer Science Bibliography) indexed
	ISI Proc.	387,27	Factor de impact ISI Proceedings: 7

	TOTAL ISI	609,22	Factor de impact ISI = 24.128 + 7 = 31,128
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A2.2	Articole in reviste si volumele unor manifestari stiintifice indexate in	10 10	1. Valentina E. Bălaș, Marius M. Bălaș , <i>Observing Control Systems by Phase Trajectories of the Error</i> . WSEAS Transactions on Systems, Issue 7, Volume 5, July 2006, ISSN 1109-2777, pag. 1717-1722, http://www.worldses.org/journals/systems/systems-july2006.doc , Scopus 2. V. Bălaș, M. Bălaș . <i>The Real-Time Estimation of the Adherence by Internal Model</i> . The 8th Mini Conference on Vehicle System Dynamics, Identification and Anomalies, 11-13 November, 2002, Budapest, Hungary, ISBN 963 420 8177, pag. 247-254, Scopus
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alte baze de date	4	3. M. Bălaș , V. Bălaș, L. S. Bocîi, I. Radu. I. Koles. <i>The Real Time Evaluation of the Weariness of the Disc Brake</i> . The 8 Th Mini Conference on Vehicle System Dynamics, Identification and Anomalies, 11-13 November, 2002, Budapest, Hungary, pag. 241-246, ISBN 963 420 8177, Scopus .
	10	4. M.M. Balas , V.E. Balas. <i>Optimising the Distance-Gap Between Cars by Fuzzy-Interpolative Control with Time to Collision Planning</i> . ICM 2006, IEEE Conference on Mechatronics, Budapest, Hungary, July 3-5, 2006, pag. 215-218, IEEE Catalog Number of printed proceedings 06EX1432, ISBN 1-4244-9712-6, Indexed by IEE INSPEC IEEE CNF, INSPEC Accession Number: 9157024, DOI: 10.1109/ICMEH.2006.252527, INSPEC Indexed, IEEE Xplore .
	10	5. V.E. Balas , M.M. Balas. <i>Driver Assisting by Inverse Time to Collision</i> . WAC'06, July 24-27, 2006, Budapest, IEEE Catalog Number: 06EX1486, ISBN 1-889335, ISSN: 2154-4824, DOI: 10.1109/WAC.2006.376059 . https://ieeexplore.ieee.org/document/4259975 . INSPEC, IEEE Xplore, CNF, Scopus
	4	6. Marius M. Balas , Jelena Nikolic, Ramona Lile, Mihaela Popa, Roxana Beiu. <i>Integrated Rooftop Greenhouses and Green Skyline Cities</i> . International Multidisciplinary Scientific GeoConference: SGEM: Surveying Geology & mining Ecology Management. Sofia. Vol. 18, issue 6.4, 2018, pp. 435-443. DOI: 10.5593/sgem 2018V/6.4/ S09. 055. Scopus
	20	7. M.M. Balas . <i>Adaptive and Fast HDR Image Sensors - Resources of the CMOS Multiple Exposure</i> . Proc. of 8 th International Conf. on Computing Technology and Information Management ICCM'12, Seoul, Korea, 24-26 April 2012, pp. 643-647. IEEE Conf. Record Number 20416, ISBN 978-1-4673-0893-9. https://ieeexplore.ieee.org/document/6268578 . IEEE Xplore
	6.67	8. M.M. Balas , B.A. Sajgo, P. Belean. <i>On the FPGA Implementation of the Fuzzy-Interpolative Systems</i> . Proc. of 5 th International Symposium on Computational Intelligence and Intelligent Informatics ISCIII'11, Floriana, Malta, Sept. 15-17, 2011, pp. 139-142. ISBN 978-1-4577-1859-5. https://ieeexplore.ieee.org/document/6069757 . IEEE Xplore
	6.67	9. M.M. Balas , A. Sarbu, M. Socaci. <i>Internal Model Expert control for Slow Cooling Rate Bronze Casting</i> . Proc. of 4 th International Workshop on Soft Computing Applications SOFA'10, pp. 243-248, 15-17 July 2010, Arad, Romania. ISBN: 978-1-4244-7982-5. https://ieeexplore.ieee.org/document/5565590 . IEEE Xplore, Scopus
	6.67	10. M.M. Balas , M. Ciugudean, M. Lobont. <i>Custom High Dynamic Range Characteristics Developed by Fuzzy-Interpolative Methodology</i> . Proc. of 4 th International Workshop on Soft Computing Applications SOFA '10, pp. 185-190, 15-17 July 2010, Arad, Romania. ISBN: 978-1-4244-7982-5. https://ieeexplore.ieee.org/document/5565602 . IEEE Xplore
	5	11. M.C. Popescu, V.E. Balas, M.M. Balas , O. Olaru. <i>Algorithm for Virtual Reality</i> . 2009 4th International Symposium on Computational Intelligence and Intelligent Informatics 21-25 Oct. 2009, Luxor, Egipt, pp. 125-128.. DOI:

			10.1109/ISCI.2009.534226. https://ieeexplore.ieee.org/document/534226 . IEEE Xplore, Scopus
		10	12. M.C. Popescu, M.M. Balas , <i>Thermal consumptions: Control and Monitoring</i> , 2009 3rd International Workshop on Soft Computing Applications, SOFA'09 Arad, 2009, pp. 87-92. https://ieeexplore.ieee.org/document/5254873 . IEEE Xplore, Scopus
		3,33	13. M.M. Balas , S.V. Musca, D. Toader, C. Mnerie, C.B. Musca and O. Falcan, <i>On a promising sustainable energy system and its control - the passive greenhouse</i> , 2009 3rd International Workshop on Soft Computing Applications SOFA'09 Arad, Arad, 2009, pp. 235-240. https://ieeexplore.ieee.org/document/5254844 . IEEE Xplore, Scopus
		10	14. M.M. Balas and V.E. Balas, <i>Optimizing the Distance-Gap between Cars by Fuzzy-Interpolative Control with Time to Collision Planning</i> , 2006 IEEE International Conference on Mechatronics, Budapest, 3-5 July 2006, pp. 215-218. DOI: 10.1109/ICMECH.2006.252527 . https://ieeexplore.ieee.org/document/4018362 . IEEE Xplore, Scopus
		6.67	15. M.M. Balas , V.E. Balas, J. Duplaix, <i>On the Switching Controllers' Issue</i> , 2007 2 nd International Workshop on Soft Computing Applications SOFA'07, Oradea, 21-23 Aug. 2007, pp. 103-108. DOI: 10.1109/SOFA.2007.4318313 https://ieeexplore.ieee.org/document/4318313 . IEEE Xplore, Scopus
		10	16. M.M. Balas and V.E. Balas, <i>Some Observations on Stability of the Switching Adaptive Rule Bases of the Fuzzy Self-Adapted Interpolative Controllers</i> , ISCI'07, International Symposium on Computational Intelligence and Intelligent Informatics, Agadir, 28-30 March 2007, pp. 63-66. DOI: 10.1109/ISCI.2007.367363 . https://ieeexplore.ieee.org/document/4218396 . IEEE Xplore, Scopus
		10	17. M.M. Balas and C. Barna, <i>Using CCD Cameras for Car Following Algorithms</i> , Proceedings of the IEEE International Symposium on Industrial Electronics ISIE'05, Dubrovnik, Croatia, 20-23 June 2005, pp. 57-62. ISBN: 0-7803-8738-4. DOI: 10.1109/ISIE.2005.1528888 . https://ieeexplore.ieee.org/document/1528888 . IEEE Xplore, Scopus
		10	18. M.M. Balas , V.E. Balas. <i>Adaptive Rule Based-Reasoning by Qualitative Analysis</i> . Conference: Information Processing and Management of Uncertainty in Knowledge-Based Systems. Theory and Methods - 13th International Conference, IPMU 2010, Dortmund, Germany, June 28 - July 2, 2010. Proceedings, Part I. DOI: 10.1007/978-3-642-14055-6_58 . Scopus
		20	19. Balas M.M. <i>The Fuzzy-Interpolative Methodology</i> . In: Balas V.E., Fodor J., Várkonyi-Kóczy A.R. (eds) <i>Soft Computing Based Modeling in Intelligent Systems</i> . Studies in Computational Intelligence, vol 196. Springer, Berlin, Heidelberg, pp 145-167, 2009. Online ISBN 978-3-642-00448-3, Print ISBN 978-3-642-00447-6. DOI: 10.1007/978-3-642-00448-3_8 . Scopus



		5	20. M. M. Balas , V. E. Balas, D. V. Balas Timar, L. R. Szantho, <i>The Fuzzy-Interpolative Concept Applied In Soft Computing</i> . The 7th WSEAS International Conference on Automation and Information (ICAI'06), Cavtat, Croatia, June 12-14, 2006, ISSN: 1790-5109, ISSN: 1790-5117, ISBN: 960-8457-46-7, pp. 95-100, Publisher WSEAS(World Scientific and Engineering Academy and Society) Stevens Point, Wisconsin, USA. Scopus
	Total BDI	178	

A2.3.1	Proprietate intelectuala brevete de inventie, certificate ORDA internationale		
	TOTAL	-	

A2.3.2	Proprietate intelectuala brevete de inventie, certificate ORDA nationale	5 5 6,25 12,5 6,25 8.33 8.33	1. I. Puie, I. Rubinstein, M. Bălaș , V. Crișan, L. Botaș. <i>Dispozitiv de supraveghere selectivă a rețelelor trifazate cu nul izolat</i> . Brevet OSIM nr. 91329. 2. M. Bălaș , C. Nicolescu, I. Rubinstein, A. Barz, G. Dumitrescu. <i>Dispozitiv de optimizare a funcționării iluminatului în vagoane de călători</i> . Brevet OSIM nr. 97546. 3. I. Puie, M. Bălaș , A. Barz, G. Dumitrescu. <i>Echipament de alimentare de la linia de înaltă tensiune a trenului</i> . Brevet OSIM nr. 98962. 4. I. Puie, M. Bălaș . <i>Metodă directă de măsură și control în timp real a gradului de tasare a amestecurilor de formare</i> . Brevet OSIM nr. 100838. 5. D. Piscoi, M. Bălaș , C. Nicolescu, I. Copaci. <i>Metodă de măsurare a vitezei vagonului izbitor în cazul probelor de tamponare</i> . Brevet OSIM nr. 101267. 6. A. Barz, M. Bălaș , G. Dumitrescu. <i>Echipament electric de alimentare la tensiunea de 220V/50Hz a iluminatului fluorescent din vagoanele de călători, de la bateria de acumulatori</i> . Brevet OSIM nr. 91984. 7. M. Bălaș , A. Aromăneșei, C. Pleșu. <i>Invertor pentru iluminatul fluorescent al vag. de călători, cu stabilizarea iluminării</i> . Brevet OSIM nr. 105756.
	TOTAL BREVETE	51,66	Factor de impact brevete invenții: 3,5

A2.4.1 .1	Proiecte castigate prin competitie Director/Responsabil Internationale		Nu
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A2.4.1 .2	Granturi/proiecte castigate prin competitie	10 x 2 ani	1. <i>Dispozitiv de menținere a succesiunii fazelor în rețele trifazate</i> . Cod: 1.4.0728. Șef de temă . Executant: C.C.S.I.T. Vagoane
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Director/Responsabil Naționale	10 x 2 ani	Arad. Beneficiar: I. Vagoane Arad. Valorificare: export Irak. 50.000 Lei.
	10 x 2 ani	2. <i>Dispozitiv de optimizare a funcționării iluminatului în vag. de călători.</i> Cod:1. 6. 0901. Șef de temă. Executant: C.C.S.I.T.V. A. Beneficiar: I.V.A. Valorificare: omologare. 500.000 Lei.
	10 x 3 ani	3. <i>Dispozitiv de diagnosticare automată.</i> Cod:1.6.0900. Șef de temă. Executant: Executant: C.C.S.I.T.V.A. Beneficiar: I.V.A. Valorificare: omologare. 500.000 Lei.
	10 x 1 an	4. <i>Invertor pentru iluminatul fluorescent de 20W de la 110V_{cc}.</i> Cod:1.6. 1096. Șef de temă. Executant: C.C.S.I.T.V.A. Beneficiar: I.V.A. Valorificare: export Sry-Lanka. 40.000.000 Lei
	10 x 1 an	5. <i>Dispozitiv de blocare a ușilor de acces în vagoane de călători.</i> Cod: 1.0.1292. Șef de temă. Executant: C.C.S.I.T.V.A. Beneficiar: Minist. Învăț. și Științei. Valorificare: omologare. 200.000 Lei
	10 x 1 an	6. <i>Instalație de radioficare și sonorizare pentru vagoane RIC.</i> Cod: 1.0.1293. Șef de temă. Executant: C.C.S.I.T.V.A. Beneficiar: M.Î.Ș. Valorificare: omologare. 300.000 lei.
	10 x 1 an	7. <i>Sistem automat de blocare a ușilor în vagoanele de călători.</i> Cod: 1.0.1468. Șef de temă. Executant: I.C.P.V.A. Vagoane Arad. Beneficiar: M.Î.Ș. Valorificare: omologare. 200.000 Lei
	10 x 1 an	8. <i>Noi componente ale ale instalației de iluminat din vagoanele de călători.</i> Cod: 1.2.1471. Șef de temă. Executant: I.C.P. Vagoane Arad. Beneficiar: M.Î.Ș. Valorificare: omologare. 100.000 Lei.
	10 x 1 an	9. <i>Promovarea agriculturii in mediul urban: modele matematice si solutii concrete,</i> Contract de cercetare stiintifica cu agenti economici, Nr. 10/16.07.2019, director de proiect, valoare 42.500 lei (peste 10.000\$)
TOTAL		140

A2.4.2 .1	Granturi/proiecte castigate prin competitie Membru in echipa Internationale	12	1. Program Internațional <i>Proiecte de Cooperare Bilaterală/ Multilaterală, Programul: Capacități /Modul III, Cooperare Bilaterală între România și Bulgaria.</i> Titlu: " <i>Electronic Health Records for the Next Generation Medical Decision Support in Romanian and Bulgarian National Healthcare Systems</i> ", Acronim: NextGenElectroMedSupport, Instituția conducătoare în țară este Universitatea Petru Maior din Târgu Mureș, universitatea conducătoare din Bulgaria este Universitatea Tehnică din Sofia. Directori de proiect: Bulgaria - Prof. dr. Roumen Kountchev Technical University from Sofia, Bulgaria, Romania - director general - Barna Iantovics, Membru/cercetător în echipă: Marius M. Bălaș , august 2010-august 2012.
		12	2. Program Internațional, <i>Planul Național pentru Cercetare Dezvoltare și Inovare 2007-2013-PN II, Capacități /Modul III, Proiecte de Cooperare Bilaterală/Multilaterală, Cooperare Bilaterală între România și Slovacia.</i>

			Titlu: "Hybrid Medical Complex Systems", Acronim: ComplexMediSys CO: Universitatea Petru Maior din Targu Mures. CO: Academia Slovaca de Stiinte, Bratislava. Directori. Ladislav Hluchý (Slovakia) si Barna Iantovics (Romania). Membru /cercetător în echipă: Marius M. Bălaș , ianuarie 2011-ianuarie 2013.
		24	

A2.4.2 .2	Granturi/ proiecte castigate prin compe- titie. Membru in echipa. Nationale	2 x 2 ani	1. Program de cercetare național. <i>Invertor static de 1,5KVA/ 220V/ 50Hz.</i> Membru în echipa de cercetare. Executant: C.C.S.I.T.V.A. Beneficiar: I. Vagoane Arad. Valorificare: instalare pe vagoane speciale. 500.000 Lei.
		2 x 2 ani	2. Program de cercetare național. <i>Dispozitiv de semnalizare a punerii la masă în rețele trifazate cu nul izolat.</i> Membru în echipă. Executant: I.C.P.V.A. Beneficiar: I.V. Arad. Valorificare: export Brazilia, Bangladesh și aplicat de M.Ap.N. 500.000 Lei.
		2 x 1 an	3. Program de cercetare național. <i>Echipament de alimentare de la linia de înaltă tensiune a trenului.</i> Membru în echipă. Executant: I.C.P.V.A. Beneficiar: I.V. Arad. Omologat. 1.000.000 Lei.
		2 x 1 an	4. Grant CNCSIS „Cercetări pentru implementarea strategiilor bazate pe logica fuzzy și rețele neuronale destinate detecției și diagnosticării defectelor, cu aplicație la sistemele de conducere a acționărilor electrice”. Iulie 2004. Executant principal: Universitatea „Politehnica” Timișoara. Membru în echipă. Valoare 100.000 \$.
		2 x 1 an	5. Grant PN – II WE Cod CNCSIS: 47, Contract de cofinanțare cu Autoritatea Națională pentru Cerc. Științifică Nr. 316/09.04.2008, Workshop Exploratoriu „ De la limbaj natural la soft computing: noi paradigme ale inteligenței artificiale”, Responsabil Institutul de Cercetari pentru Inteligenta Artificiala al Academiei Romane – Acad. Dan Ioan Tufiş, 30.000 RON.
		2 x 5 ani	6. Noi nano-arhitecturi de inspirație biologică de tip celular pentru circuite integrate – Nanoart-Biocell. (BioCell-Nano ART=Novel Bio-inspired Cellular Nano-architectures, POC-A1-A1.1.4-E no. 30/2016). Șef de program: Prof. V. Beiu. 2016-2020. Valoare 3.000.000 Euro.
		2 x 1 an	7. Participant la Contractul de cercetare stiintifica obtinut prin competitie nr. 9542/22.12.2017, cu SC Contact Plus SRL AradModelarea, simularea, experimentarea si validarea unor noi metode avansate de soft computing în domeniul controlului cladirilor inteligente”, Director de proiect – Valentina E. Balas, Valoare 43.000 lei (peste 10.000 \$).
		2x1 an	8. Proiect UEFISCDI, Cecuri de inovare. Cod proiect: PN-III-P2-2.1-CI-2017-0505, Contract de finanțare nr. 12CI/2017 Titlul: <i>Soluție inovativă de ambalare ecologică a pâinii fără aditivi/ conservanți pentru creșterea duratei de valabilitate și păstrarea prospețimii.</i> Valoarea totală a contractului: 45000 lei Director proiect: ș.l.dr.ing. Dicu Anca Mihaela
		2x2	9. Proiect cod identificare: PN III P2 2.1 PTE 2016 0217 - Contract de finanțare pentru execuție proiecte nr. 28 PTE / 2016. Finanțare: bugetul de

		an	stat. Denumirea Programului din PN III: Programul 2 - Creșterea competitivității economiei românești prin cercetare, dezvoltare și inovare. Tip proiect: Transfer la operatorul economic. Titlul proiectului: <i>Instalație demonstrativă pentru o tehnologie inovativă de topire a cânepii</i> . Valoarea totală a contractului: 1.779.682,00 lei, valoarea pt. UAV. Durata 24 luni. Coordonator (CO) Ecomax S.R.L. Partener (P1) Universitatea Aurel Vlaicu Arad, Partener (P2) Caloris Group SA
		32	

	TOTAL A2	1034,88 600	
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	Factor de impact ISI: 34,698 10		24,198 + 7 + 3,5 = 34,698
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A3.1.1	Citari in carti, reviste si volume ale unor manifestari stiintifice Carti ISI		71 citări– 213,62 puncte
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A3.1.2	Citari in carti, reviste si volume ale unor manifestari stiintifice BDI		37 citări - 63,13 puncte
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A3.2	Membru în colectivele de redacție sau comitetele științifice ale revistelor indexate ISI, chair, co-chair sau membeu in comitetele de organizare ale manifestarilor or internationale indexate ISI	10	1. Chair Local Organizing Committee la The 1 st IEEE International Workshop on Soft Computing Applications - SOFA 2005, 27-30 August 2005, Szeged-Hungary – Arad Romania, http://www.trivent.hu/IEEESOFA2005/05_committees.html , (ISI indexed)
		10	2. Publication Chair la The 5 th IEEE International Workshop on Soft Computing Applications - SOFA 2012, 22-24 August 2012, Szeged-Hungary, http://trivent.hu/2012/ieeesofa2012/chai.html , (ISI indexed)
		10	3. Publication Chair la The 6 th IEEE International Workshop on Soft Computing Applications - SOFA 2014, 24-26 July, 2014, Timisoara, Romania, http://trivent.hu/2014/sofa2014/chai.html , (ISI indexed)
		10	4. Publication Chair: SOFA 2018 7th International Workshop on Soft Computing Applications, 24-26 August, 2016 , Arad, Romania, https://www.facebook.com/SOFAconferences/posts/295954634096896
		10	5. Publication Chair: SOFA 2018 8th International Workshop on Soft Computing Applications, 13-15 Sept., 2018 , Arad, Romania. http://www.sofa2018.org/chairs.html .
		10	6. Membru in Editorial Board la Intelligent Decision Technologies, IDT, (ISI indexed), https://www.iospress.nl/journal/intelligent-decision-technologies/
		10	7. Membru in Editorial Board la International Journal of System Dynamics Applications (IJSDA), (ISI indexed), https://www.igi-global.com/journal/international-journal-system-dynamics-applications/51803

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A3.3.	Membru în colectivele de redacție sau comitete științifice ale revistelor indexate BDI, chair, co-chair sau membru în comitetele de organizare ale manifestarilor științifice internaționale indexate BDI	6	1. Membru în Program Committee, International Conference SOCO 2013 – Soft Computing Models in Industrial and Environmental Applications, Sevilla, Spania, 13-15 May, 2019 http://soco13.usal.es/?q=node/3
		6	2. Membru în Program Committee, International Conference SOCO 2014 – Soft Computing Models in Industrial and Environmental Applications, Bilbao – Spania, 25-27 June, 2014 . http://soco14.deusto.es/?q=node/3
		6	3. Membru în International Program Committee, International Conference SOCO 2015 – Soft Computing Models in Industrial and Environmental Applications, CISIS'14-ICEUTE'14, Burgos – Spania, 15-17 June, 2015 . http://soco.usal.es/?q=node/3
		6	4. Membru în International Program Committee, International Conference SOCO 2019, Sevilla 13-15 May, 2019 the 14th International Conf. on Soft Computing Models in Industrial and Environmental Applications. http://2019.sococonference.eu/
		6	5. Editor to International Journal of Digital Content Technology and its Applications (JDCTA), http://www.globalcis.org/jdcta/home/index.html
		6	6. Membru in Editorial Board la The International Journal of Computer and Information Technologies (IJOCIT), http://www.ijocit.org/editorial-board
		6	7. Editor Sef la <i>Agricultural Engineering Research Journal (AERJ)</i> , DOI: 10.5829/aerj, http://idosi.org/editorial-board/agricultural-engineering-research-journal--aerj
		6	8. Membru 9th International Conference on ENERGY and ENVIRONMENT CIEM2019, http://ciem.energ.pub.ro/committees.html
		6	9. Membru International Program Committee, The 2 nd International Conference of Computing and Informatics !CCI 2019, Benha University, Egypt https://sites.google.com/site/benhabfci2018/committees
		6	10. Membru în Program Committee, International Conference SOCO 2020 – Burgos, Spain, 24-26 June. 15th International Conference on Soft Computing Models in Industrial and Environmental Applications, http://2020.soco-conference.eu/committee/
		6	11. Membru în Steering Committee, International Network of Bio Materials And Engineering Science, INBES 2020, 16-18 Aprilie, Agadir, Morocco, https://inbes2020.akrit.org/committee/
		6	12. Principal General Chair, International Conference on Evolving Technologies in Computing, Communications and Smart World ETCCS 2020, Noida, India, http://www.iacet.co.in/Committees.php
		72	

A3.4.	Premii în domeniu		NU
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	Academia Română, ASTR, academii de ramură, pre- mii internaționale		
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	TOTAL A3	546,75 150	
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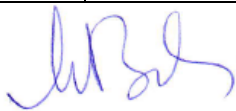
	TOTAL A1+A2+A3	1487,03 850	175,41+ 1041,62 + 546,75 = 1763,78
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Număr de citări în cărți, reviste și volume ale unor manifestări științifice ISI

Numarul publicatiei care citeaza	Referinta bibliografica a publicatiei k care citeaza	Factor de impact
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<p>1. World Knowledge for Control Applications by Fuzzy-Interpolative Systems M. M. Balas, V. E. Balas., <i>Int. J. of Computers, Communications & Control</i>, ISSN 1841-9836, E-ISSN 1841-9844, Vol. III (2008), Suppl. issue: Proceedings of ICCCC 2008, pp. 28-32, 15-17 Mai 2008 Oradea, Romania, CNCISIS cat. A, ISI indexed, http://www.journal.univagora.ro/?page=supp_issue2008 – 44 puncte</p>		
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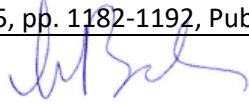
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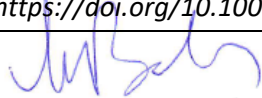
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Nr. publicatiei care citeaza	Referinta bibliografica a publicatiei <i>k</i> care citeaza	Factor de impact
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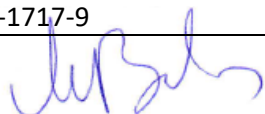
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Total citari în cărți, reviste și volume ale unor manifestări științifice BDI: **37 citări - 63,13 pct.**

$A1 + A2 + A3 = 175,41 + 1041,62 + 546,75 = 1763,78$

Factor de impact ISI: **31,128**



Centralizator

TOTAL A1	175,41	Condiție minimă profesor=100
TOTAL A2	1034,88	Condiție minimă profesor=600
TOTAL A3	546,75	Condiție minimă profesor=150
TOTAL A	1757,04	Condiție minimă profesor=850

A3.1.1	Citari in carti, reviste si volume ale unor manifestari stiintifice ISI	71 citări– 213,62 puncte
A3.1.2	Citari in carti, reviste si volume ale unor manifestari stiintifice BDI	37 citări - 63,13 puncte

Factor de impact al brevetelor de invenție	3,5	
Factor de impact al publicațiilor ISI	24,128	
Factor de impact al publicațiilor ISI Proc.	7	
Factor de impact al publicațiilor ISI și ISI Proc.	31,128	31,128
Factor de impact cumulat	34,628	Condiție minimă profesor=10

Condiții minime obligatorii pe subcategorii

Subcategorii		Profesor	Condiție îndeplinită
A1.1.1-A1.1.2	Cărți de specialitate	1 carte	DA – 2 cărți
A2.1	Articole ISI și ISI Proceedings (minim 3 în Q1 sau Q2)	15	DA – 13 ISI, 28 ISI Proc., 1 Q1, 3 Q2
A2.4.1	Director/responsabil pentru proiecte de cercetare	2	DA – 9 proiecte
A3.1.1	Număr de citări în lucrări și manifestări ISI (WOS)	25	DA – 71 de citări WOS
	Factor de impact ISI	10	DA - 34,628 puncte

Data completării: **09.01.2020**

Prof.dr.ing. Marius M. BĂLAȘ



Verificat:

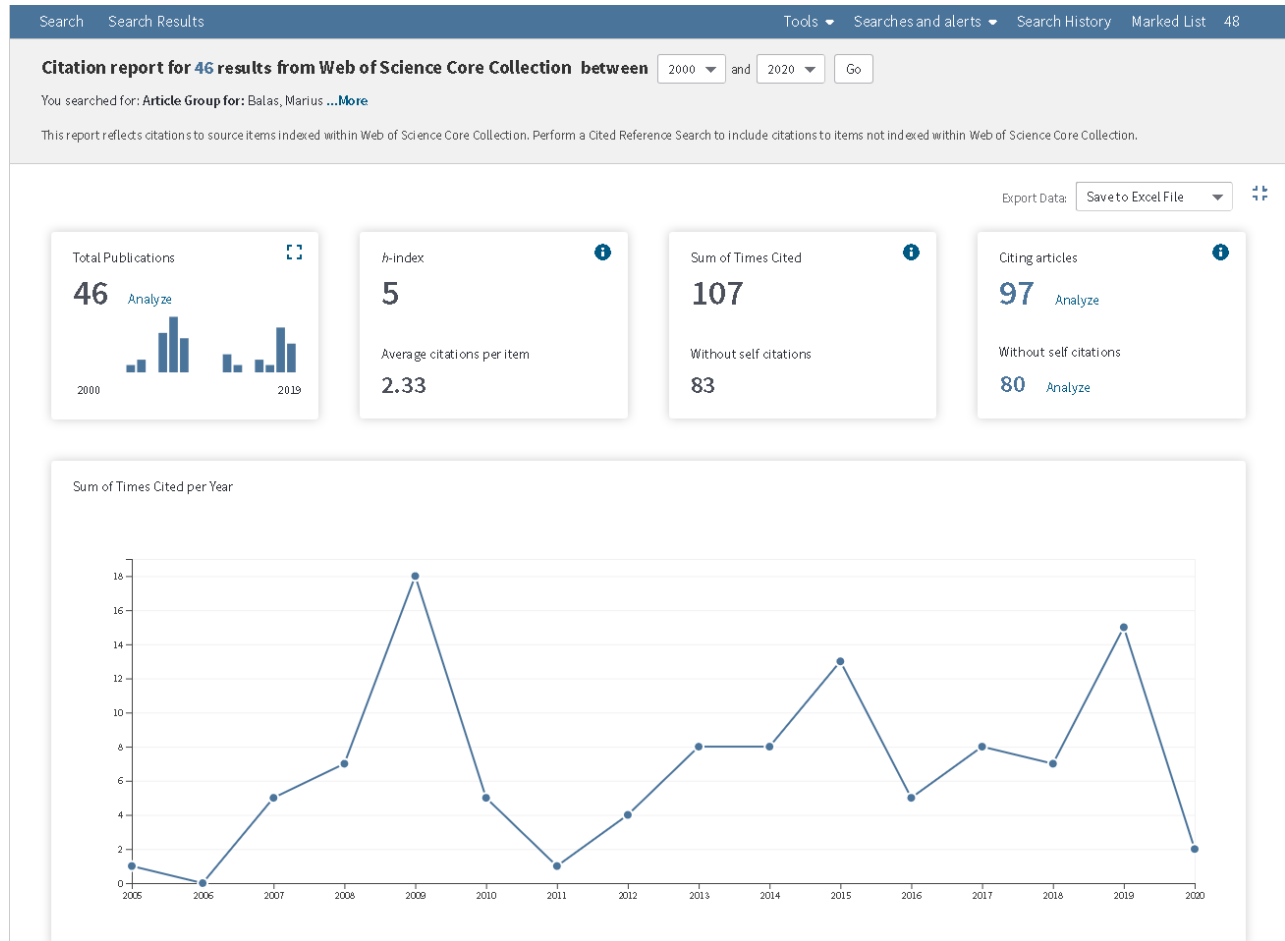
Președintele comisiei:

Membrii comisiei:

.....

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Profil ISI Web of Knowledge – Marius M. Balas



Profil SCOPUS – Marius M. Balas

Balas, Marius Mircea

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Subject area: [Computer Science](#) [Engineering](#) [Energy](#) [Mathematics](#) [Physics and Astronomy](#) [Chemical Engineering](#) [Earth and Planetary Sciences](#) [Chemistry](#) [Neuroscience](#) [Materials Science](#)

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Document and citation trends:



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Citat de [AFIȘAȚI-LE PE TOATE](#)

	Toate	Din 2014
Referințe bibliografice	402	125
h-index	10	4
i10-index	11	3



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