

FIȘA PENTRU VERIFICAREA STANDARDELOR MINIMALE

Domeniul fundamental "Științe Inginerești"

Comisia de specialitate "Inginerie mecanică, mecatronică și robotică"

Conf.dr.ing. Cotoros Laura Diana

Nr. crt.	Criterii de evaluare	Minim de îndeplinit (puncte)	Valori calculate
1	Criteriul CDI <i>Activitate de cercetare științifică, dezvoltare tehnologică și inovare</i>	Minim 10 puncte, din care minim 6 puncte din criteriul CDI-ART (Articole științifice publicate în reviste de specialitate cotate ISI sau în reviste/volume indexate ISI sau BDI)	CDI – 18,342 CDI-ART - 13,74
2	Criteriul DID <i>Activitate didactică și profesională</i>	Minim 10 puncte, din care minim 6 puncte din DID-MSD (Manuale-suport curs, format tipărit sau format electronic)	DID – 11,76 DID-MSD-11,76
3	Criteriul RIA <i>Recunoașterea și impactul activității</i>	Minim 10 puncte Contribuție principală (minim 60%) în calitate de director grant/proiect	RIA – 29,822 (17,256-dir.)
TOTAL		30 puncte	59,92 puncte

Criteriul CDI - Activitate de cercetare științifică, dezvoltare tehnologică și inovare**Criteriul CDI-ART 1 – Articole științifice publicate în reviste de specialitate cotate ISI, sau în reviste/volume indexate ISI/BDI****Formula de calcul: 1 articol = FI*articol + ΣFI*citare; FI*=0.1 + Factor de impact**

Nr. crt.	Descriere	FI articol	FI* articol	ΣFI* citare	Punctaj articol
1	Opran, C., Baritz, M., Cotoros, D. , <i>The effects of some liquids of general use upon the shape and structure of the monthly worn contact lenses used for visual comfort</i> , OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS, Vol.4, Issue: 7, pp. 1052-1059, Jul. 2010 oam-rc.inoe.ro/download.php?idu=1161 http://apps.webofknowledge.com	0,477	0,577	-	0,577
2	Cotoros D. , <i>Analysis of Skeletal Prosthesis Component Elements at Structural Level</i> , METALURGIA INTERNATIONAL, Vol. 15, Special Issue: 7, pp.116-120, 2010 http://apps.webofknowledge.com	0,154	0,254	-	0,254
3	Stanciu, A., Cotoros, D. , Baritz, M., <i>Researches upon composite materials for prosthetic and orthetic devices</i> , OPTOELECTRONICS AND ADVANCED MATERIALS- RAPID COMMUNICATIONS Vol. 6 Issue: 1-2, pp. 335-338, Jan-Feb 2012 oam-rc.inoe.ro/download.php?idu=1831 http://apps.webofknowledge.com	0,402	0,502	-	0,502
4	Stanciu, A.E., Cotoros, D.L. , Cristea, L., Baritz, M., <i>Determination of stress and strains of a composite tank used for liquid medical products</i> , Journal of optoelectronics and advanced materials / v.17 no.7/8, 2015, pp.1146-1151, ISSN 1454-4164, http://apps.webofknowledge.com	0,429	0,529	-	0,529
5	Cotoros, D. , Baritz, M., <i>Study on the gyroscope stability subjected to impulse and step by step perturbations</i> , 3rd WSEAS International Conference on Applied and Theoretical Mechanics, Puerto de la Cruz, Spain, Dec 14-16, 2007, pp.280-283 http://apps.webofknowledge.com		0,1		0,1
6	Teodorescu, H., Vlase, S., Cotoros, D. , et al., <i>Modelling of tensile behaviour of sheet. moulding compounds</i> , World Congress on Engineering 2007, London, England, Jul 02-04, 2007, pp. 1407-1410 http://apps.webofknowledge.com		0,1		0,1
7	Baritz, M., Cotoros, D. , Moraru, O., <i>Virtual and augmented reality for mechanism motion modeling in</i>		0,1		0,1

	<i>technical applications</i> , 7th WSEAS International Conference on Signal Processing, Computational Geometry and Artificial Vision, Vouliagmeni, Greece, Aug 24-26, 2007, pp. 50-53 http://apps.webofknowledge.com				
8	Baritz, M., Cotoros, D. , Moraru, O., <i>Virtual and augmented reality used to simulate the mechanical device</i> , 18th International Symposium of the Danube-Adria-Association-for-Automationand-Manufacturing, Zadar, Croatia, Oct 24-27, 2007, pp.61-62 http://apps.webofknowledge.com		0,1		0,1
9	Baritz, M., Cotoros, D. , <i>Human gait analyzed by complex and interconnected system</i> , 7th WSEAS International Conference on Applied Computer Science (AOS 07), Venice, Italy, Nov 21-23, 2007, pp.306-309 http://apps.webofknowledge.com		0,1		0,1
10	Cotoros, D. , Baritz, M., Cristea, L., et al., <i>New technologies for automobiles heat exchangers</i> , 6th International Conference of DAAAM Baltic Industrial Engineering, DAAAM Int Vienna, Tallinn, Estonia, Apr 24-26, 2008, pp.49-5 http://apps.webofknowledge.com		0,1		0,1
11	Enescu, I, Lepadatescu, B., Enescu, D., Cotoros D. , <i>Numerical methods for determination of the elastic stress and deformations in rollings bearings</i> , 6th International Conference of DAAAM Baltic Industrial Engineering, DAAAM Int Vienna, Tallinn, Estonia, Apr 24-26, 2008, pp. 59-63 http://apps.webofknowledge.com		0,1		0,1
12	Cotoros, D. , Baritz, M., Enescu I., et al., <i>Simulation of a random perturbation upon the gyroscopic stability</i> , Applied Computing Conference 2008, Istanbul, Turkey, May 27-30, 2008, pp. 316-319 http://apps.webofknowledge.com		0,1		0,1
13	Cotoros, D. , Baritz, M., Opran, C., <i>Dry testing method for heat exchangers</i> , World Congress on Engineering 2008, Imperial Coll London, London, England, Jul 02-04, 2008, pp. 1521-1524 http://apps.webofknowledge.com		0,1		0,1
14	Cristea, L., Baritz, M., Cotoros, D. , et al., <i>Aspects Of Quality Assurance In Medical Devices Production</i> , 8th WSEAS International Conference on Signal Processing, Computational Geometry and Artificial Vision, Rhodes, Greece, Aug 20-22, 2008, pp. 131-135 http://apps.webofknowledge.com		0,1		0,1
15	Baritz, M., Cristea, L., Cotoros, D. , et al., <i>Thermal human body behavior analyze during cycling movements</i> , 6th IASME/WSEAS International Conference on Heat Transfer, Thermal Engineering and Environment, Rhodes, Greece, Aug 20-22, 2008, pp. 338-341 http://apps.webofknowledge.com		0,1	2,88	2,98

Articole care citeaza lucrarea					
15.1	Lewandowski, W., <i>The external walls of a passive building: A classification and description of their thermal and optical properties</i> , Energy and Buildings 69, 2014 https://www.researchgate.net/publication/259129668_The_external_walls_of_a_passive_building_A_classification_and_description_of_their_thermal_and_optical_properties		2,88		
16	Baritz, M., Cristea, L., Rogozea, L., Cotoros D. , <i>Complex Systems for Human Body Biomechanical Behavior Modeling</i> , International Conference on Bio-Inspired Computational Methods Used for Difficult Problems Solving - Development of Intelligent and Complex Systems, Petru Maior Univ, Tg Mures Romania & Romanian Acad, Bucharest, Romania, Nov 05-07, 2008, pp. 209-216 http://apps.webofknowledge.com		0,1		0,1
17	Baritz, M., Cristea, L., Rogozea, L., Cotoros D. , <i>Analysis of Human Body Bipedal Stability for Neuromotor Disabilities</i> , International Conference on Bio-Inspired Computational Methods Used for Difficult Problems Solving - Development of Intelligent and Complex Systems, Petru Maior Univ, Tg Mures Romania & Romanian Acad, Bucharest, Romania, Nov 05-07, 2008, pp.217-224 http://apps.webofknowledge.com		0,1		0,1
18	Cristea, L., Baritz, M., Rogozea, L., Cotoros D. , <i>Researches Concerning the Data Processing used in Feeding and Dosing Systems Optimization</i> , 8th WSEAS International Conference on Artificial Intelligence, Knowledge Engineering and Data Bases, Cambridge, England, Feb 21-23, 2009, pp. 518-522 http://apps.webofknowledge.com		0,1		0,1
19	Baritz, M., Cristea, L., Cotoros, D. , et al. <i>Statistical screening for the analysis of adult and elderly people optometry visual behaviour</i> , 8th WSEAS International Conference on Artificial Intelligence, Knowledge Engineering and Data Bases, Cambridge, England, Feb 21-23, 2009, pp.527-530 http://apps.webofknowledge.com		0,1		0,1
20	Repanovici, A., Cristea, L., Cotoros, D. , <i>Infodocumentary automatization systems: RFID technology</i> , 9th WSEAS International Conference on Signal Processing, Robotics and Automation (ISPRA'10), Univ Cambridge, Cambridge, England, Feb 20-22, 2009, pp.248-253 http://apps.webofknowledge.com		0,1	0,1	0,2
Articole care citeaza lucrarea					
20.1	Porumbeanu Madge O.L., <i>Evaluation of usage patterns and promotion of electronic resources in academic medical libraries: the case of the Central Library of the "Carol Davila" University of Medicine and Pharmacy in Bucharest, Romania</i> , Qualitative and Quantitative		0,1		

	Methods in Libraries (QQML) 4: 387 – 392, 2013				
21	Stanciu, A., Cotoros, D. , Baritz, M., <i>Analysis by Strain Gauges of the Strains in a Composite Material</i> , 9th WSEAS International Conference on Signal Processing, Robotics and Automation (ISPRA'10), Univ Cambridge, Cambridge, England, Feb 20-22, 2009, pp.254-257 http://apps.webofknowledge.com		0,1		0,1
22	Baritz, M., Cristea, L., Cotoros, D. , <i>Retinal image and oculo-motor equilibrium analyze using recordings of human body stability-posture</i> , 9th WSEAS International Conference on Signal Processing, Robotics and Automation (ISPRA'10), Univ Cambridge, Cambridge, England, Feb 20-22, 2009, pp.258-263 http://apps.webofknowledge.com		0,1	0,1	0,2
Articole care citeaza lucrarea					
22.1	NS Souza, ACG Martins, DCD Machado, <i>A Influência do Eixo Visuo-Podal na Regulação do Equilíbrio Morfoestático em Idosos</i> , Rev Neurocienc 2012;20(2):320-327		0,1		
23	Baritz, M., Cristea, L., Cotoros, D. , <i>Measuring of human body stability - part of bio - behavioral studies</i> , 8th WSEAS International Conference on Instrumentation, Measurement, Circuits and Systems, China Jiliang Univ, Hangzhou, China, May 20-22, 2009, pp.124-127 http://apps.webofknowledge.com		0,1		0,1
24	Baritz, M., Cotoros, D. , Cristea, L., et al. <i>Analyses of noise effects on standing human body stability</i> , 9th WSEAS International Conference on Signal, Speech and Image Processing/9th WSEAS International Conference on Multimedia, Internet and Video Technologies, Budapest, Hungary, Sep 03-05, 2009, pp. 168-173 http://apps.webofknowledge.com		0,1		0,1
25	Cotoros D. , Baritz M., <i>Some Considerations Concerning the Modelling of the Human Body Locomotor Rehabilitation System</i> , 23rd European Conference on Modelling and Simulation (ECMS), Rey Juan Carlos Univ, Madrid, Spain, Jun 09-12, 2009, pp. 359-364 http://apps.webofknowledge.com		0,1		0,1
26	Cotoros D. , Baritz M., <i>Human Gait Analysis for Hip Implanted Persons</i> , 23rd European Conference on Modelling and Simulation (ECMS), Rey Juan Carlos Univ, Madrid, Spain, Jun 09-12, 2009, pp. 365-370 http://apps.webofknowledge.com		0,1		0,1
27	Cotoros, D. , Baritz, M., Opran, C., et al., <i>Aspects Concerning Impact Tests on Composites for Rigid Implants</i> , World Congress on Engineering, Imperial Coll London, London, England, Jul 01-03, 2009, pp.1658-1661 http://apps.webofknowledge.com		0,1		0,1

28	Cotoros, D. , Baritz, M., Opran, C., et al., <i>Testing Stand for Antifriction Bearings with Applications in Biomechanics</i> , World Congress on Engineering, Imperial Coll London, London, England, Jul 01-03, 2009, pp. 1763-1765 http://apps.webofknowledge.com		0,1	0,1	0,2
Articole care citeaza lucrarea					
28.1	Cristea L., Manescu M., Repanovici A., Rogozea L., <i>Research on optimizing automatic dosing systems</i> , Recent Advances in Signal Processing, Robotics And Automation, WSEAS, Cambridge, 2010		0,1		
29	Baritz, M., Cotoros, D. , Cristea, L., et al. <i>Advanced Methodology for Evaluation of Human Behavior in Technological Working Activities</i> , 6th International Conference on the Management of Technological Changes, Alexandroupolis, Greece, Sep 03-05, 2009, pp.449-452 http://apps.webofknowledge.com		0,1		0,1
30	Cristea, L., Baritz, M., Manescu, M., Cotoros D. , <i>Mechatronic Conception of Feeding and Dosing Systems Used in Automat Inspection Systems</i> , 20th International Danube-Adria-Association-for-Automation-and-Manufacturing Symposium, Vienna, Austria, Nov 25-28, 2009, vol.20, pp.61-62 http://apps.webofknowledge.com		0,1		0,1
31	Manescu, M., Cristea, L., Cotoros, D. , et al. <i>Infrared Data Transmission for Mechatronic System Control</i> , 20th International Danube-Adria-Association-for-Automation-and-Manufacturing Symposium, Vienna, Austria, Nov 25-28, 2009, vol.20, pp. 859-860 http://apps.webofknowledge.com		0,1		0,1
32	Baritz, M., Cristea, L., Cotoros, D. , et al. <i>Human Body Posture Evaluation in Working Activities</i> , 20th International Danube-Adria-Association-for-Automation-and-Manufacturing Symposium, Vienna, Austria, Nov 25-28, 2009, vol.20, pp. 865-866 http://apps.webofknowledge.com		0,1		0,1
33	Baritz, M., Cristea, L., Cotoros, D. , et al. <i>Human Body Behavior by Thermovision Analysies in Standing and Gait Processes</i> , 20th International Danube-Adria-Association-for-Automation-and-Manufacturing Symposium, Vienna, Austria, Nov 25-28, 2009, vol.20, pp. 867-868 http://apps.webofknowledge.com		0,1		0,1
34	Stanciu, A., Cotoros, D. , <i>Study Concerning the Mechanical Tests of MAT&ROVING Fiber Reinforced Laminated Composites</i> , 5th WSEAS International Conference on Applied and Theoretical Mechanics, Puerto de la Cruz, Spain, Dec 14-16, 2009, pp.154-157 http://apps.webofknowledge.com		0,1		0,1
35	Baritz, M., Cotoros, D. , Repanovici, A. et al., <i>Cognitive Virtual Learning Used for Improving the Long Term</i>		0,1		0,1

	<i>Handling Skills</i> , 6th WSEAS/IASME International Conference on Educational Technologies (EDUTE 10), Kantaoui, Tunisia, May 03-06, 2010, pp.107-110 http://apps.webofknowledge.com				
36	Baritz, M., Cotoros, D. , <i>Computing Technics for Studying Human Behavior in Ergonomic Working Places</i> , 14th International Conference on Modern Technologies, Quality and Innovation (ModTech 2010), Slanic-Moldova, May 20-22, 2010, pp. 95-98 http://apps.webofknowledge.com		0,1		0,1
37	Baritz, M., Cotoros, D. , <i>Analyses by Image Processing of Surface Quality of Mobile Skeletal Dental Prosthesis</i> , 14th International Conference on Modern Technologies, Quality and Innovation (ModTech 2010), Slanic-Moldova, May 20-22, 2010, pp.99-102 http://apps.webofknowledge.com		0,1		0,1
38	Baritz, M., Braun, B., Cotoros, D. , <i>Digital Microscope Images Processing Used to Measure Bearings Surface Characteristics</i> , 14th International Conference on Modern Technologies, Quality and Innovation (ModTech 2010), Slanic-Moldova, May 20-22, 2010, pp.103-106 http://apps.webofknowledge.com		0,1		0,1
39	Baritz, M., Cotoros, D. , <i>E-Portofolio Platform in Developing the Interdisciplinary Abilities</i> , 7th International Scientific Conference eLearning and Software for Education, Bucharest, Apr 28-29, 2011, Anywhere, Anytime - Education on Demand, Vol II Book Series: eLearning and Software for Education, pp. 249-252, 2011 http://apps.webofknowledge.com		0,1		0,1
40	Baritz, M., Cotoros, D. , <i>Modeling Visual Training for Young People Vision Eyecare</i> , 7th International Scientific Conference eLearning and Software for Education, Bucharest, Apr 28-29, 2011, Anywhere, Anytime - Education on Demand, Vol II, Book Series: eLearning and Software for Education, pp.253-256, 2011 http://apps.webofknowledge.com		0,1		0,1
41	Baritz, M., Cotoros, D. , Balcu, I., <i>Tools for Correlative Techniques Development Between Postural and Sensorial Components in Behavioral Analysis</i> , 7th International Conference on Management of Technological Changes, Alexandroupolis, Sep. 01-03, 2011, pp. 461-464 http://apps.webofknowledge.com		0,1		0,1
42	Baritz, M., Cotoros, D. <i>Analysis of plantar pressures developed during gait for hollow foot and flat foot shapes with bio-behavioral implications</i> , 3rd International Conference on E-Health and Bioengineering (EHB), IEEE, Iasi, Nov 24-26, 2011 http://apps.webofknowledge.com		0,1		0,1

43	Baritz, M., Cotoros, D. , <i>Modeling and simulation of human locomotion system structure and behavior by dedicated software –LifeMode</i> , 3rd International Conference on E-Health and Bioengineering (EHB), IEEE, Iasi, Nov 24-26, 2011 http://apps.webofknowledge.com		0,1	0,1	0,2
Articole care citeaza lucrarea:					
43.1	Boobalan V, Omkar S N, Ramesh D V, Shankar S., <i>Simulation of Muscle Activation Patterns in the Hip Joint During Normal Level Walking Followed by Sit-to-stand Movement Between Two Hip Implants</i> , Trends in Biomaterials and Artificial Organs, vol.28, 2014		0,1		
44	Braun B., Serban I., Cotoros D. , <i>The Plantar Orthosis Modeling and Simulating Assisted by Computer</i> , 3rd International Conference on E-Health and Bioengineering (EHB), IEEE, Iasi, Nov 24-26, 2011 http://apps.webofknowledge.com		0,1		0,1
45	Braun B., Baritz M., Cotoros D. , <i>Research on Correlation between any Plantar Diseases and Stability</i> , Applied Mechanics and Materials, Vol. 186, pp. 254-259, Jun. 2012 www.scientific.net/AMM.186.254 http://apps.webofknowledge.com		0,1	-	0,1
46	Baritz M., Cotoros D. L. , Braun B. C., <i>Eye Tracking Used to Evaluate the Human Behavior</i> , Applied Mechanics and Materials, Vol. 186, pp. 260-265, Jun. 2012 www.scientific.net/AMM.186.260 http://apps.webofknowledge.com		0,1	-	0,1
47	Cotoros, D. , Stanciu, A., Baritz, M., <i>Some Mechanical Characteristics of Materials for Dental Prosthetics</i> , Proceedings 26th European Conference on Modelling and Simulation ECMS, Koblenz, 2012, pp.212-215 http://apps.webofknowledge.com		0,1		0,1
48	Baritz M., Cotoros D. , Cristea L., Braun B., <i>Analysis of Stability Asymmetries and of Gait Cycle Used to Determine the Recovery Degree for Subjects with Traumatic Locomotion Disorder</i> , Applied Mechanics and Materials, Vol. 332, pp. 534-539, Jul. 2013 www.scientific.net/AMM.332.534 http://apps.webofknowledge.com		0,1	-	0,1
49	Baritz M., Cotoros D. , <i>Oscillatory Movements Analysis at Knee Level</i> , Applied Mechanics and Materials, Vol. 436, pp. 271-276, Oct. 2013 www.scientific.net/AMM.436.271 http://apps.webofknowledge.com		0,1	0,1	0,2
Articole care citeaza lucrarea					
49.1	Braun B., Rosca I., <i>Locomotory Diseases Influence on Body Equilibrium and Balance</i> , OPTIROB 2014 www.ttp.net/978-3-03835-111-5/9.html		0,1		

50	Baritz M., Cotoros D. , <i>Playful Methods for Evaluation, Correction and Rehabilitation of Visual Function</i> , 9th International Conference eLearning and Software for Education, Bucharest, vol.2, pp.127-132, 2013 http://apps.webofknowledge.com		0,1		0,1
51	Baritz M., Cotoros D. , <i>Simulation and Modeling Methods Used in Optometric Field for Assessing Visual Functions Behavior</i> , 9th International Conference eLearning and Software for Education, Bucharest, vol.2, pp.543-548, 2013 http://apps.webofknowledge.com		0,1		0,1
52	Baritz M., Cotoros D. , Singer C., <i>Study of pupil reflex under chromatic light radiation incidence</i> , 4th IEEE International Conference on E-Health and Bioengineering (EHB), Iasi, nov.2013 http://apps.webofknowledge.com		0,1	0,1	0,2
Articole care citeaza lucrarea:					
52.1	Rajendran, J.; Arutprakasam, S.S.; Warriar, A.M. "Stability and bifurcation analysis of a pupillary light reflex model", <i>Control and Decision Conference (CCDC), 2015 27th Chinese</i> , On page(s): 1765 - 1771		0,1		
53	Baritz M., Singer C., Cotoros D. , <i>Thermographic Analysis of Hand Structure when Subjected to Controlled Effort</i> , 4th IEEE International Conference on E-Health and Bioengineering (EHB), Iasi, nov.2013 http://apps.webofknowledge.com		0,1		0,1
54	Singer, C., Dumitra, G., Baritz, M., Cotoros D. , et.al., <i>The integration of a medical team through an online medical platform for the supervision of bronchial asthma</i> , 4th IEEE International Conference on E-Health and Bioengineering (EHB), Iasi, nov.2013 http://apps.webofknowledge.com		0,1		0,1
55	Baritz, M., Cotoros, D. , <i>Learning and Assessment Strategies for Visual Rehabilitation</i> , eLearning & Software for Education, EBSCO 2014, Issue 3, pp.37-42, http://apps.webofknowledge.com		0,1		0,1
56	Baritz, M., Cotoros, D. , <i>Action Active IT Environments for Education E-Learning Platforms</i> , eLearning & Software for Education, EBSCO 2014, Issue 1, pp.41-44, http://apps.webofknowledge.com		0,1		0,1
57	Baritz, M., Cristea, L., Cotoros, D. , Danaila, C., Rogozea, L., <i>Eyeball Retinal Image and Oculo-Motor Equilibrium Analyze by Human Body Stability Recordings</i> , Mecatronica, 2007, Issue 1, pp.22-26 http://web.b.ebscohost.com/		0,1	-	0,1
58	Baritz M., Cotoros D. , Cristea L., Rogozea L., <i>Assessment of Human Bio-Behavior During Gait Process Using Lifemod Software</i> , BRAIN. Broad Research in Artificial Intelligence and Neuroscience 1, 2010, pp.169-177 http://web.a.ebscohost.com/		0,1	0,2	0,3

Articole care citeaza lucrarea				
58.1	Kardi Teknomo, Maria Regina Estuar, <i>Visualizing Gait Patterns of Able bodied Individuals and Transtibial Amputees with the Use of Accelerometry in Smart Phones</i> , Revista Colombiana de Estadística Current Topics in Statistical Graphics, 2014, vol. 37, no. 2, pp. 471 – 488 http://rcb.unal.edu.co/index.php/estad/article/viewFile/47951/49737		0,1	
58.2	G Campitelli, G Macbeth, <i>Hierarchical Graphical Bayesian Models in Psychology</i> , Revista Colombiana de Estadística Current Topics in Statistical Graphics, vol.37, no.2, 2014, pp.319-339 http://www.scielo.org.co/pdf/rce/v37n2/v37n2a05.pdf		0,1	
59	Cotoros D. , Baritz M., Serban I., <i>Applied computer science to establish active correlation for improving the handling skills</i> , International Conference on Applied Computer Science, Elsevier, Malta, 2010, pp.504-507 www.scopus.com		0,1	0,1
60	Cotoros D. , Stanciu A., Baritz M., <i>Composite materials properties approached by finite element method</i> , International Conference on Applied Computer Science, Elsevier, Malta, 2010, pp.269-272 www.scopus.com		0,1	0,1
61	Cotoros D. , Baritz M., <i>Biomechanical Analyzes of Human Body Stability and Equilibrium</i> , Proceedings of the World Congress on Engineering 2010 WCE 2010, June 30 - July 2, 2010, London, U.K, pp.1145-1149 www.scopus.com		0,1	0,3 0,4
Articole care citeaza lucrarea				
61.1	Egoyan, A.E., <i>Equilibrium and Stability of the Upright Human Body</i> , The General Science Journal, ISSN 1916-5382, 2013 http://gsjournal.net/Science-Journals/Research%20Papers-Mechanics%20/%20Electrodynamics/Download/4540		0,1	
61.2	P Čech, J. Junger, <i>Monitoring the Level of Postural Stability after Modification of Size of Support Surface</i> , Physical Activity in Science and Practice pp. 189–199 Presov University, Prague 2013 https://books.google.ro/books?hl=ro&lr=&id=7HA3BQAAQBAJ&oi=fnd&pg=PA189&ots=9V--QvD_eO&sig=wYTGGav6jVahhnY7hus8IKWCjEw&redir_esc=y#v=onepage&q&f=false		0,1	
61.3	L Ghazaleh, M Anbarian, MT Karimi, <i>Dynamics Study of Ankle Joint during Quiet Standing Balance Control with Emphasis on Dominant and Non-dominant Lower Limb</i> , Physical Treatments, vol.4, no.3, 2014 http://ptj.uswr.ac.ir/browse.php?a_code=A-10-232-1&slc_lang=en&sid=1		0,1	
62	Cotoros, D. , Stanciu, A., Baritz, M., <i>Experimental Research Concerning Mechanical Properties of Materials</i>		0,1	0,1

	<i>for Biomedical Use</i> , Proceedings of the World Congress on Engineering 2010 WCE 2010, June 30 - July 2, 2010, London, U.K, pp.1117-1120 www.scopus.com				
63	Cotoros D. , Bacanu Gh., Baritz M., <i>Advanced Methodology of Heat Losses Assessment in Buildings</i> , International Journal of Arts & Sciences 4.19, pp. 307-314, ISSN 1944-6934, 2011 http://search.proquest.com.am.enformation.ro/pqcentral/docview/1030094535/42BEE5B542924A6APQ/13?accountid=136549		0,1	-	0,1
64	Cotoros, D. , Stanciu, A., Baritz, M., Cristea L., <i>Microscopic Analysis of Breakage in Materials for Hard Implants</i> , Lecture Notes in Engineering and Computer Science WCE 2011, July 2-6, 2011, London, U.K, ISBN 978-988-19251-5-2, ISSN 2078-0958, pp.1965-1968 http://web.b.ebscohost.com/		0,1		0,1
65	Cotoros, D. , Stanciu, A., Baritz, M., Duta V., <i>Analysis of Bending Specific Deformation in Composite Materials Using Comparative Methods</i> , Lecture Notes in Engineering and Computer Science WCE 2011, July 2-6, 2011, London, U.K, ISBN 978-988-19251-5-2, ISSN 2078-0958, pp.2048-2051 http://web.b.ebscohost.com/		0,1		0,1
66	Cotoros D. , Baritz M., Bacanu Gh., <i>Correlative Analysis of Energy Efficiency in Urban Buildings</i> , Recent Researches in Urban Sustainability and Green Development, USCUDAR, Praga, 2011, pp.111-114 www.scopus.com		0,1		0,1
67	Baritz, M., Cotoros, D. , <i>Reactive Postural Response in Bipodal Balance Analysis</i> , Applied Mechanics and Materials, Elsevier, 2013, pp. 842-847 http://www.scopus.com http://www.scientific.net/AMM.325-326.842		0,1		0,1
68	Baritz M., Cotoros D. , <i>Evaluation of postural stability associated to lifting/lowering motions</i> , Applied Mechanics and Materials, Vol. Modeling and Optimization of the Aerospace, Robotics, Mechatronics, Machines-Tools, Mechanical Engineering and Human Motricity Fields, OPTIROB 2014, 26 June 2014 - 29 June 2014, Elsevier, pp. 646-651 http://www.scopus.com http://www.scientific.net/AMM.555.646		0,1		0,1
69	Baritz M., Cotoros D. , Balcu I., <i>Evaluation of Comfort Degree for Pushing/Pulling Motions under the Influence of Controlled Induced Vibrations in the FingersHand-Arm Assembly</i> , Applied Mechanics and Materials 658, 2014, pp.413-416 http://www.scopus.com http://www.scientific.net/AMM.658.413		0,1		0,1

70	Baritz M., Cotoros D. , Barbu D., <i>Analysis and Simulation of Gait Types with Blocked Joints</i> , Applied Mechanics and Materials 658, 2014, pp.407-412 http://www.scientific.net/AMM.658.407 www.scopus.com		0,1		0,1
71	Baritz M., Cotoros D. , <i>Development of correlative investigation technique (CIT) of human performances in specific conditions of postural malfunctions</i> , Advanced Materials Research, Elsevier, 2014, pp.531-534 http://www.scientific.net/AMR.748.531 www.scopus.com		0,1		0,1
72	Baritz, M., Cotoros, D. , Muntean, R., Ciobanu, I., <i>Forces distribution analysis developed in the plantar surface in simulation case of controlled blocking of joints</i> , Applied Mechanics and Materials, Volume 656, 2014, Elsevier, pp. 642-649 http://www.scientific.net/AMM.656.642 www.scopus.com		0,1		0,1
73	Baritz M., Cotoros D. , Dumitrescu L., <i>Microscopic Analyze of Insoles Composite Structures Behavior under Water Immersion, Temperature Variation and Saline</i> , Applied Mechanics and Materials, Vol. 760, pp. 287-292, May. 2015 http://www.scientific.net/AMM.760.287 http://web.b.ebscohost.com/		0,1		0,1
74	Baritz M., Balcu I., Cotoros D. , Stanciu A., <i>The Automotive Vibrations Effect on the Comfort Degree Determined at the Level of Foot-Shoe Composite Structure</i> , Applied Mechanics and Materials, Vol. 760, pp. 305-310, May. 2015 http://www.scientific.net/AMM.760.305 http://web.b.ebscohost.com/		0,1		0,1
75	Cotoros D. , Stanciu A., Baritz M., Cristea L., <i>Experimental Approaches Regarding the Elastic Properties Bending of Roving</i> , Applied Mechanics and Materials, Vol. 760, pp. 335-340, May. 2015 http://www.scientific.net/AMM.760.335 http://web.b.ebscohost.com/		0,1		0,1
76	Cotoros D. , Stanciu A., Baritz M., Cristea L., <i>Microscopic Analysis Following Bending of Roving Type Composite Material</i> , Applied Mechanics and Materials, Vol. 760, pp. 341-346, May. 2015 http://www.scientific.net/AMM.760.341 http://web.b.ebscohost.com/		0,1		0,1
77	Cotoros D. , Baritz M., Stanciu A., <i>Influence of Carpal Tunnel Syndrome Induced by Vibratory Actions upon Fingers Mobility</i> , Applied Mechanics and Materials, Vol. 801, pp. 284-289, Oct. 2015, http://www.scientific.net/AMM.801.284 http://web.b.ebscohost.com/		0,1		0,1

78	Cotoros D. , Baritz M., Stanciu A., <i>Effect of Auditory Stimuli on the Human Body Biomechanical Stability during Gait Cycle</i> , Applied Mechanics and Materials, Vol. 801, pp. 278-283, Oct. 2015, http://www.scientific.net/AMM.801.278 http://web.b.ebscohost.com/		0,1		0,1
79	Barbu D., Cotoros D. , <i>Assessment of the Occupational Effects of Vibrations on the Human Body</i> , Applied Mechanics and Materials, Vol. 801, pp. 290-294, Oct. 2015, http://www.scientific.net/AMM.801.290 http://web.b.ebscohost.com/		0,1		0,1
80	Cotoros D. , Repanovici A., Baritz M., Stanciu A., <i>Modeling and simulation of gait by anybody software before and after hip arthroplasty</i> , E-Health and Bioengineering Conference (EHB), Iasi, 2015, ISBN 978-1-4673-7544-3, http://ieeexplore.ieee.org.am.enformation.ro/xpl/articleDetails.jsp?arnumber=7391372&newsearch=true&queryText=Cotoros		0,1		0,1
81	Baritz M., Mosoi A., Cotoros D. , <i>High heel shoes effect analysis on comfort and bipodal balance by evaluating thermal gradient at the plantar surface level</i> , E-Health and Bioengineering Conference (EHB), Iasi, 2015, ISBN 978-1-4673-7544-3, http://ieeexplore.ieee.org.am.enformation.ro/xpl/articleDetails.jsp?arnumber=7391460&newsearch=true&queryText=Cotoros		0,1		0,1
82	Cotoros D. , Repanovici A., Baritz M., Stanciu A., <i>Correlative assessment of patient's progress subjected to a hip implant procedure. Case study</i> , E-Health and Bioengineering Conference (EHB), Iasi, 2015, ISBN 978-1-4673-7544-3, http://ieeexplore.ieee.org.am.enformation.ro/xpl/articleDetails.jsp?arnumber=7391381&newsearch=true&queryText=Cotoros		0,1		0,1
83	Baritz M., Mosoi A., Cotoros D. , <i>Human body biomechanics under incidence of induced positive/negative emotions</i> , E-Health and Bioengineering Conference (EHB), Iasi, 2015, ISBN 978-1-4673-7544-3, http://ieeexplore.ieee.org.am.enformation.ro/xpl/articleDetails.jsp?arnumber=7391462&newsearch=true&queryText=Cotoros		0,1		0,1
Total puncte					13,74

Criteriul CDI-BRV 2 Brevete de invenție naționale

Nr. crt.	Descriere	Punctaj	Total
1	Instalație de încercare uscată a etanșeității radiatoarelor pentru autovehicule, nr: 94822/25.02.88, autori: Popescu Ion, Cozma Dorel, Martinescu, Schnabel (Cotoros) Diana , 1988	1	1

Criteriul CDI-MON 1 Monografii de specialitate sau capitole în monografiile de specialitate internaționale (1p=10 pagini)

Nr. crt.	Descriere	Nr. pagini	Punctaj
1	Radu C., Rosca I., Cotoros D. , „The Design of an Adapted Osteosynthesis Implant for Fibula' Fracture”, Chapter International Conference on Advancements of Medicine and Health Care through Technology, Volume 26 of the series IFMBE Proceedings, Springer Verlag, 2009, pp 299-302 http://link.springer.com/chapter/10.1007/978-3-642-04292-8_66 http://apps.webofknowledge.com	4	0,4
2	Baritz, M., Cotoros, D. , „Education of Arms' Users in Dealing with Technological Activities”, Chapter International Conference on Advancements of Medicine and Health Care through Technology, Volume 36 of the series IFMBE Proceedings, Springer Verlag, 2011, pp 114-119 http://link.springer.com/chapter/10.1007/978-3-642-22586-4_24 http://apps.webofknowledge.com	6	0,6
3	Baritz, M., Cotoros, D. , „Digital Microscopy Used in Synthetic Structures Analysis of Dental Prosthesis”, Chapter International Conference on Advancements of Medicine and Health Care through Technology, Volume 36 of the series IFMBE Proceedings, Springer Verlag, 2011, pp.230-233 http://link.springer.com/chapter/10.1007/978-3-642-22586-4_49 http://apps.webofknowledge.com	4	0,4
4	Serban, I., Baritz, M., Rosca, I. C., Cotoros D. , „Statistical Analysis of Anthropometric and Physiologic Performance of the Hand”, Chapter International Conference on Advancements of Medicine and Health Care through Technology, Volume 36 of the series IFMBE Proceedings, Springer Verlag, 2011, pp.380-383 http://link.springer.com/chapter/10.1007/978-3-642-22586-4_80 http://apps.webofknowledge.com	4	0,4
Articole care citeaza lucrarea			
4.1	Taheri, Hossein; Rowe, Justin B.; Gardner, David; et al., Design and preliminary evaluation of the Finger		0,1

	rehabilitation robot: controlling challenge and quantifying finger individuation during musical computer game play, JOURNAL OF NEUROENGINEERING AND REHABILITATION Volume: 11 Article Number: 10 Published: FEB 4 2014 IEEE http://apps.webofknowledge.com		
4.2	Taheri, Hossein; Rowe, Justin B.; Gardner, David; et al., Robot-Assisted Guitar Hero for Finger Rehabilitation after Stroke, IEEE Engineering in Medicine and Biology Society Conference Proceedings Pages: 3911-3917 Published: 2012 http://apps.webofknowledge.com		0,1
5	Baritz, M., Cotoros, D. , „Human Gait Analysis for Hip Implanted Persons before and after Implant Procedure”, Chapter 5th European Conference of the International Federation for Medical and Biological Engineering, Volume 37 of the series IFMBE Proceedings, Springer Verlag, 2012, pp 880-883 http://link.springer.com/chapter/10.1007%2F978-3-642-23508-5_229 http://apps.webofknowledge.com	4	0,4
6	Baritz, M., Cotoros, D. , „Anthropometrical Studies for Human Hand Rehabilitation Procedures”, Chapter 5th European Conference of the International Federation for Medical and Biological Engineering, Volume 37 of the series IFMBE Proceedings, Springer Verlag, 2012, pp 884-887 http://link.springer.com/chapter/10.1007/978-3-642-23508-5_230 http://apps.webofknowledge.com	4	0,4
7	Repanovici A., Cotoros D. , Landoy A., “A Research Based Framework for Developing Information Literacy Projects”, Chapter Worldwide Commonalities and Challenges in Information Literacy Research and Practice, Volume 397 of the series Communications in Computer and Information Science, Springer Verlag, 2013, pp 345-351 http://link.springer.com/chapter/10.1007/978-3-319-03919-0_45 http://apps.webofknowledge.com	6	0,6
8	Baritz, M., Cotoros, D. , Barbu D., „Criteria Analysis for Optimal Choice of Efficient Energy Use in Residential Buildings”, Chapter Sustainable Energy in the Built Environment - Steps Towards nZEB, Part of the series Springer Proceedings in Energy, Springer Verlag., 2014, pp 39-45, ISBN: 978-3-319-09706-0 http://link.springer.com/chapter/10.1007/978-3-319-09707-7_3	6	0,6
9	Baritz, M., Cotoros, D. , Barbu D., „Use of Thermo-Vision for Early Detection of Heat Losses, Inside and Outside Buildings with Mixed Heating”, Chapter Sustainable Energy in the Built Environment - Steps Towards nZEB, Part of the series Springer Proceedings in Energy, Springer	6	0,6

	Verlag, pp 31-37, ISBN: 978-3-319-09706-0 http://link.springer.com/chapter/10.1007/978-3-319-09707-7_2		
Total Puncte			4,6

Criteriul DID – Activitate didactică și profesională

Criteriul DID-MSD – Manuale suport curs, tipărit sau format electronic (1p = 50 pagini)

Nr. crt.	Descriere	Nr. Pagini	Punctaj
1	Cotoros D. , „Mecanica”, editura Lux Libris, ISBN 973-9428-65-7, Brasov, 2001	210	4,2
2	Cotoros D. , Scutaru L., „Introducere in dinamica sistemelor de rigide”, editura Lux Libris ISBN:973 – 9458 – 26 – 2, Brasov, 2004	146	2,92
3	Cotoros D. , „Mechanics for students”, editura Lux Libris, Braşov, ISBN:973 – 9458 – 29 – 7, 2005	232	4,64
Total puncte			11,76

Criteriul RIA – Recunoaşterea și impactul activității

Criteriul RIA-GRA 1 – Granturi internaționale câștigate în calitate de director/responsabil partener (1p=10000euro)

Nr. crt.	Descriere	Valoare [euro]	Punctaj
1	ENVIRONMENTALLY USAGE OF POWER perioada:2008-2009 finanțator: Austrian Science and Liaison Office, Nr.Contract:4-23-2008	10000	1

Criteriul RIA-GRA 2 – Granturi internaționale câștigate în calitate de membru în echipă (0,25p=10000euro)

Nr. crt.	Descriere	Valoare [euro]	Punctaj
1	Developing information literacy for lifelong learning and knowledge economy in Western Balkan countries, perioada:2011-2014 finantator: Tempus EACEA Nr.Contract:517117	85800	2,145

Criteriul RIA-GRA 3 – Granturi naționale câștigate în calitate de director/responsabil partener (1p=50000 lei)

Nr. crt.	Descriere	Valoare [Lei]	Punctaj
1	Metodă computerizată de modelare biomecanică corelativă a implanturilor rigide perioada:2009-2011, finantator: UEFISCSU, Nr.Contract:615/2009	222844	4,456

2	Identificarea prin modelare si analiza experimentală a proprietatilor nanocompozitelor utilizate in constructia lagarelor antifricțiune. Aplicatie la sisteme giroscopice directionale, perioada:2006-2008 finantator: AMCSIT Nr.Contract:212/2006	405000	8,1
3	Promovarea si sustinerea participarii cercetarii romanesti in programe transnationale in domeniul reciclarii ecologice a deseurilor din materiale noi si composite, perioada: 2006-2008, finantator:ANCS, Nr.Contract:220/2006	85000	1,7
4	Cercetări avansate în mecanica computațională și ingineria virtual, perioada: 2006-2007, finantator: CNMP, Nr.Contract:23/2006	100000	2
Total puncte			16,256

Criteriul RIA-GRA 4 – Granturi naționale câștigate în calitate de membru în echipă (0.25p = 50 000 RON)

Nr. crt.	Descriere	Valoare [Lei]	Punctaj
1	Modelarea si simularea comportarii la solicitari mecanice prin metoda elementelor finite, a materialelor compozite in scopul identificarii proprietatilor elastice/vascoelastice ale acestora perioada: 2005-2008 finantator: MEC, Nr.Contract:42/2005	330000	1,65
2	Analiza virtuala nelinara si experimentală si controlul optimal al sistemelor mecanice multicorp cu elemente elastice, cu aplicatie in constructia de masini si robotica perioada:2006-2008, finantator:MEC, Nr.Contract:61/2006	620000	3,1
3	Rezultate Moderne si Tendinte in Mecanica Materialelor Compozite Polimerice Armate cu Fibre, perioada:2006-2007, finantator:MEC, Nr.Contract:35/2006	70000	0,35
4	Tehnica de investigare pe baza unui sistem computerizat interconectat a performantelor bio-comportamentale umane, perioada:2009-2011, finantator: CNCSIS Nr.Contract:588/2009	266911,9	1,334
5	Perfecționarea și optimizarea metodelor și structurilor de investigare folosite în prevenția de sănătate publică perioada: 2007-2008, finantator: CNCSIS, Nr.Contract:CNCSIS A 924/2007	189000	0,945
6	Sistem computerizat de monitorizare a poluarii prin sunete si vibratii in aglomerarile urbane SICOMSUV, perioada: 2006-2008, finantator: MEC	100000	0,5
7	Proiectarea, realizarea si experimentarea unui sistem mecatronic de monitorizare multispectrala a starii de vegetatie a culturilor agricole - MoniCult perioada: 2014-2016, finantator: UEFISCDI, Nr.Contract:225/2014	500000	2,5
Total puncte			10,379

Criteriul RIA-CTR 3 Contract cu beneficiar din mediul economic national- in calitate de director (1p=10000 lei)

Nr. crt.	Descriere	Valoare [Lei]	Punctaj
1	Posibilitati de utilizare a materialelor compozite la constructii industriale perioada:2005, finantator: SC ACP COMSOR, Nr.Contract:4/2005	420	0,042