

## FIȘA PENTRU VERIFICAREA STANDARDELOR MINIMALE

Profesor poziția 27, publicat în Monitorul Oficial nr.1631 din 28.11.2016

*Domeniul fundamental "Științe Inginerești"*

*Comisia de specialitate "Inginerie mecanică, mecatronică și robotică"*

**Candidat: Conf.dr.ing. Cotoros Laura Diana**

Nr. crt.	Criterii de evaluare	Minim de îndeplinit (puncte)	Valori calculate
<b>1</b>	<b>Criteriul CDI</b> <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)	<b>CDI – 18,342</b> <b>CDI-ART - 13,94</b>
<b>2</b>	<b>Criteriul DID</b> <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)	<b>DID – 11,76</b> <b>DID-MSD-11,76</b>
<b>3</b>	<b>Criteriul RIA</b> <i>Recunoașterea și impactul activității</i>	Minim 10 puncte Contribuție principală (minim 60%) în calitate de director grant/proiect	<b>RIA – 29,822</b> <b>(17,256-dir.)</b>
<b>TOTAL</b>		<b>30 puncte</b>	<b>60,12 puncte</b>

**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., <b>Cotoros, D.</b> , <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 <a href="http://apps.webofknowledge.com">http://apps.webofknowledge.com</a>	0,477	0,577	-	0,577
2	<b>Cotoros D.</b> , <i>Analysis of Skeletal Prosthesis Component Elements at Structural Level</i> , METALURGIA INTERNATIONAL, Vol. 15, Special Issue: 7, pp.116-120, 2010 <a href="http://apps.webofknowledge.com">http://apps.webofknowledge.com</a>	0,154	0,254	-	0,254
3	Stanciu, A., <b>Cotoros, D.</b> , 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 <a href="http://apps.webofknowledge.com">http://apps.webofknowledge.com</a>	0,402	0,502	-	0,502
4	Stanciu, A.E., <b>Cotoros, D.L.</b> , 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, <a href="http://apps.webofknowledge.com">http://apps.webofknowledge.com</a>	0,429	0,529	-	0,529
5	<b>Cotoros, D.</b> , 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 <a href="http://apps.webofknowledge.com">http://apps.webofknowledge.com</a>		0,1		0,1
6	Teodorescu, H., Vlase, S., <b>Cotoros, D.</b> , 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 <a href="http://apps.webofknowledge.com">http://apps.webofknowledge.com</a>		0,1		0,1
7	Baritz, M., <b>Cotoros, D.</b> , 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 <a href="http://apps.webofknowledge.com">http://apps.webofknowledge.com</a>				
8	Baritz, M., <b>Cotoros, D.</b> , 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 <a href="http://apps.webofknowledge.com">http://apps.webofknowledge.com</a>		0,1		0,1
9	Baritz, M., <b>Cotoros, D.</b> , <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 <a href="http://apps.webofknowledge.com">http://apps.webofknowledge.com</a>		0,1		0,1
10	<b>Cotoros, D.</b> , 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 <a href="http://apps.webofknowledge.com">http://apps.webofknowledge.com</a>		0,1		0,1
11	Enescu, I, Lepadatescu, B., Enescu, D., <b>Cotoros D.</b> , <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 <a href="http://apps.webofknowledge.com">http://apps.webofknowledge.com</a>		0,1		0,1
12	<b>Cotoros, D.</b> , 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 <a href="http://apps.webofknowledge.com">http://apps.webofknowledge.com</a>		0,1		0,1
13	<b>Cotoros, D.</b> , 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 <a href="http://apps.webofknowledge.com">http://apps.webofknowledge.com</a>		0,1		0,1
14	Cristea, L., Baritz, M., <b>Cotoros, D.</b> , 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 <a href="http://apps.webofknowledge.com">http://apps.webofknowledge.com</a>		0,1		0,1
15	Baritz, M., Cristea, L., <b>Cotoros, D.</b> , 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 <a href="http://apps.webofknowledge.com">http://apps.webofknowledge.com</a>		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 <a href="https://www.researchgate.net/publication/259129668_The_external_walls_of_a_passive_building_A_classification_and_description_of_their_thermal_and_optical_properties">https://www.researchgate.net/publication/259129668_The_external_walls_of_a_passive_building_A_classification_and_description_of_their_thermal_and_optical_properties</a>	2,88			
16	Baritz, M., Cristea, L., Rogozea, L., <b>Cotoros D.</b> , <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 <a href="http://apps.webofknowledge.com">http://apps.webofknowledge.com</a>		0,1		0,1
17	Baritz, M., Cristea, L., Rogozea, L., <b>Cotoros D.</b> , <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 <a href="http://apps.webofknowledge.com">http://apps.webofknowledge.com</a>		0,1		0,1
18	Cristea, L., Baritz, M., Rogozea, L., <b>Cotoros D.</b> , <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 <a href="http://apps.webofknowledge.com">http://apps.webofknowledge.com</a>		0,1		0,1
19	Baritz, M., Cristea, L., <b>Cotoros, D.</b> , 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 <a href="http://apps.webofknowledge.com">http://apps.webofknowledge.com</a>		0,1		0,1
20	Repanovici, A., Cristea, L., <b>Cotoros, D.</b> , <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 <a href="http://apps.webofknowledge.com">http://apps.webofknowledge.com</a>		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., <b>Cotoros, D.</b> , 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 <a href="http://apps.webofknowledge.com">http://apps.webofknowledge.com</a>		0,1		0,1
22	Baritz, M., Cristea, L., <b>Cotoros, D.</b> , <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 <a href="http://apps.webofknowledge.com">http://apps.webofknowledge.com</a>		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., <b>Cotoros, D.</b> , <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 <a href="http://apps.webofknowledge.com">http://apps.webofknowledge.com</a>		0,1		0,1
24	Baritz, M., <b>Cotoros, D.</b> , 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 <a href="http://apps.webofknowledge.com">http://apps.webofknowledge.com</a>		0,1		0,1
25	<b>Cotoros D.</b> , 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 <a href="http://apps.webofknowledge.com">http://apps.webofknowledge.com</a>		0,1		0,1
26	<b>Cotoros D.</b> , 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 <a href="http://apps.webofknowledge.com">http://apps.webofknowledge.com</a>		0,1		0,1
27	<b>Cotoros, D.</b> , 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 <a href="http://apps.webofknowledge.com">http://apps.webofknowledge.com</a>		0,1		0,1

28	<b>Cotoros, D.</b> , 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 <a href="http://apps.webofknowledge.com">http://apps.webofknowledge.com</a>		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., <b>Cotoros, D.</b> , 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 <a href="http://apps.webofknowledge.com">http://apps.webofknowledge.com</a>		0,1		0,1
30	Cristea, L., Baritz, M., Manescu, M., <b>Cotoros D.</b> , <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 <a href="http://apps.webofknowledge.com">http://apps.webofknowledge.com</a>		0,1		0,1
31	Manescu, M., Cristea, L., <b>Cotoros, D.</b> , 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 <a href="http://apps.webofknowledge.com">http://apps.webofknowledge.com</a>		0,1		0,1
32	Baritz, M., Cristea, L., <b>Cotoros, D.</b> , 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 <a href="http://apps.webofknowledge.com">http://apps.webofknowledge.com</a>		0,1		0,1
33	Baritz, M., Cristea, L., <b>Cotoros, D.</b> , et al. <i>Human Body Behavior by Thermovision Analyses 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 <a href="http://apps.webofknowledge.com">http://apps.webofknowledge.com</a>		0,1		0,1
34	Stanciu, A., <b>Cotoros, D.</b> , <i>Study Concerning the Mechanical Tests of MAT&amp;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 <a href="http://apps.webofknowledge.com">http://apps.webofknowledge.com</a>		0,1		0,1
35	Baritz, M., <b>Cotoros, D.</b> , Repanovici, A. et al., <i>Cognitive Virtual Learning Used for Improving the Long Term</i>		0,1		0,1

	Handling Skills, 6th WSEAS/IASME International Conference on Educational Technologies (EDUTE 10), Kantaoui, Tunisia, May 03-06, 2010, pp.107-110 <a href="http://apps.webofknowledge.com">http://apps.webofknowledge.com</a>				
36	Baritz, M., <b>Cotoros, D.</b> , <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 <a href="http://apps.webofknowledge.com">http://apps.webofknowledge.com</a>		0,1		0,1
37	Baritz, M., <b>Cotoros, D.</b> , <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 <a href="http://apps.webofknowledge.com">http://apps.webofknowledge.com</a>		0,1		0,1
38	Baritz, M., Braun, B., <b>Cotoros, D.</b> , <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 <a href="http://apps.webofknowledge.com">http://apps.webofknowledge.com</a>		0,1		0,1
39	Baritz, M., <b>Cotoros, D.</b> , <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 <a href="http://apps.webofknowledge.com">http://apps.webofknowledge.com</a>		0,1		0,1
40	Baritz, M., <b>Cotoros, D.</b> , <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 <a href="http://apps.webofknowledge.com">http://apps.webofknowledge.com</a>		0,1		0,1
41	Baritz, M., <b>Cotoros, D.</b> , 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 <a href="http://apps.webofknowledge.com">http://apps.webofknowledge.com</a>		0,1		0,1
42	Baritz, M., <b>Cotoros, D.</b> <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 <a href="http://apps.webofknowledge.com">http://apps.webofknowledge.com</a>		0,1		0,1

43	Baritz, M., <b>Cotoros, D.</b> , <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 <a href="http://apps.webofknowledge.com">http://apps.webofknowledge.com</a>		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., <b>Cotoros D.</b> , <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 <a href="http://apps.webofknowledge.com">http://apps.webofknowledge.com</a>		0,1		0,1
45	Braun B., Baritz M., <b>Cotoros D.</b> , <i>Research on Correlation between any Plantar Diseases and Stability</i> , Applied Mechanics and Materials, Vol. 186, pp. 254-259, Jun. 2012 <a href="http://www.scientific.net/AMM.186.254">www.scientific.net/AMM.186.254</a> <a href="http://apps.webofknowledge.com">http://apps.webofknowledge.com</a>		0,1	-	0,1
46	Baritz M., <b>Cotoros D. L.</b> , Braun B. C., <i>Eye Tracking Used to Evaluate the Human Behavior</i> , Applied Mechanics and Materials, Vol. 186, pp. 260-265, Jun. 2012 <a href="http://www.scientific.net/AMM.186.260">www.scientific.net/AMM.186.260</a> <a href="http://apps.webofknowledge.com">http://apps.webofknowledge.com</a>		0,1	-	0,1
47	<b>Cotoros, D.</b> , 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 <a href="http://apps.webofknowledge.com">http://apps.webofknowledge.com</a>		0,1		0,1
48	Baritz M., <b>Cotoros D.</b> , 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 <a href="http://www.scientific.net/AMM.332.534">www.scientific.net/AMM.332.534</a> <a href="http://apps.webofknowledge.com">http://apps.webofknowledge.com</a>		0,1	-	0,1
49	Baritz M., <b>Cotoros D.</b> , <i>Oscillatory Movements Analysis at Knee Level</i> , Applied Mechanics and Materials, Vol. 436, pp. 271-276, Oct. 2013 <a href="http://www.scientific.net/AMM.436.271">www.scientific.net/AMM.436.271</a> <a href="http://apps.webofknowledge.com">http://apps.webofknowledge.com</a>		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 <a href="http://www.ttp.net/978-3-03835-111-5/9.html">www.ttp.net/978-3-03835-111-5/9.html</a>		0,1		



50	Baritz M., <b>Cotoros D.</b> , <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 <a href="http://apps.webofknowledge.com">http://apps.webofknowledge.com</a>		0,1		0,1
51	Baritz M., <b>Cotoros D.</b> , <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 <a href="http://apps.webofknowledge.com">http://apps.webofknowledge.com</a>		0,1		0,1
52	Baritz M., <b>Cotoros D.</b> , 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 <a href="http://apps.webofknowledge.com">http://apps.webofknowledge.com</a>		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., <b>Cotoros D.</b> , <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 <a href="http://apps.webofknowledge.com">http://apps.webofknowledge.com</a>		0,1		0,1
54	Singer, C., Dumitra, G., Baritz, M., <b>Cotoros D.</b> , 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 <a href="http://apps.webofknowledge.com">http://apps.webofknowledge.com</a>		0,1		0,1
55	Baritz, M., <b>Cotoros, D.</b> , <i>Learning and Assessment Strategies for Visual Rehabilitation</i> , eLearning & Software for Education, EBSCO 2014, Issue 3, pp.37-42, <a href="http://apps.webofknowledge.com">http://apps.webofknowledge.com</a>		0,1		0,1
56	Baritz, M., <b>Cotoros, D.</b> , <i>Action Active IT Environments for Education E-Learning Platforms</i> , eLearning & Software for Education, EBSCO 2014, Issue 1, pp.41-44, <a href="http://apps.webofknowledge.com">http://apps.webofknowledge.com</a>		0,1		0,1
57	Baritz, M., Cristea, L., <b>Cotoros, D.</b> , 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 <a href="http://web.b.ebscohost.com/">http://web.b.ebscohost.com/</a>		0,1	-	0,1
58	Baritz M., <b>Cotoros D.</b> , 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 <a href="http://web.a.ebscohost.com/">http://web.a.ebscohost.com/</a>		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 <a href="http://rcb.unal.edu.co/index.php/estad/article/viewFile/47951/49737">http://rcb.unal.edu.co/index.php/estad/article/viewFile/47951/49737</a>	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 <a href="http://www.scielo.org.co/pdf/rce/v37n2/v37n2a05.pdf">http://www.scielo.org.co/pdf/rce/v37n2/v37n2a05.pdf</a>	0,1		
59	<b>Cotoros D.</b> , 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 <a href="http://www.scopus.com">www.scopus.com</a>		0,1	0,1
60	<b>Cotoros D.</b> , 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 <a href="http://www.scopus.com">www.scopus.com</a>		0,1	0,1
61	<b>Cotoros D.</b> , 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 <a href="http://www.scopus.com">www.scopus.com</a>		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 <a href="http://gsjournal.net/Science-Journals/Research%20Papers-Mechanics%20/%20Electrodynamics/Download/4540">http://gsjournal.net/Science-Journals/Research%20Papers-Mechanics%20/%20Electrodynamics/Download/4540</a>	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 <a href="https://books.google.ro/books?hl=ro&amp;lr=&amp;id=7HA3BQA_AQBAJ&amp;oi=fnd&amp;pg=PA189&amp;ots=9V--QvD_eO&amp;sig=wYTGGav6jVahhnY7hus8IKWCjEw&amp;redir_esc=y#v=onepage&amp;q&amp;f=false">https://books.google.ro/books?hl=ro&amp;lr=&amp;id=7HA3BQA_AQBAJ&amp;oi=fnd&amp;pg=PA189&amp;ots=9V--QvD_eO&amp;sig=wYTGGav6jVahhnY7hus8IKWCjEw&amp;redir_esc=y#v=onepage&amp;q&amp;f=false</a>	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 <a href="http://ptj.uswr.ac.ir/browse.php?a_code=A-10-232-1&amp;slc_lang=en&amp;sid=1">http://ptj.uswr.ac.ir/browse.php?a_code=A-10-232-1&amp;slc_lang=en&amp;sid=1</a>	0,1		
62	<b>Cotoros, D.</b> , 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 <a href="http://www.scopus.com">www.scopus.com</a>				
63	<b>Cotoros D.</b> , 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 <a href="http://search.proquest.com/am.enformation.ro/pqcentral/docview/1030094535/42BEE5B542924A6APQ/13?accountid=136549">http://search.proquest.com/am.enformation.ro/pqcentral/docview/1030094535/42BEE5B542924A6APQ/13?accountid=136549</a>		0,1	-	0,1
64	<b>Cotoros, D.</b> , 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 <a href="http://web.b.ebscohost.com/">http://web.b.ebscohost.com/</a>		0,1		0,1
65	<b>Cotoros, D.</b> , 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 <a href="http://web.b.ebscohost.com/">http://web.b.ebscohost.com/</a>		0,1		0,1
66	<b>Cotoros D.</b> , 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 <a href="http://www.scopus.com">www.scopus.com</a>		0,1		0,1
67	Baritz, M., <b>Cotoros, D.</b> , <i>Reactive Postural Response in Bipodal Balance Analysis</i> , Applied Mechanics and Materials, Elsevier, 2013, pp. 842-847 <a href="http://www.scientific.net/AMM.325-326.842">http://www.scientific.net/AMM.325-326.842</a> <a href="http://www.scopus.com">www.scopus.com</a>		0,1		0,1
68	Baritz M., <b>Cotoros D.</b> , <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 <a href="http://www.scientific.net/AMM.555.646">http://www.scientific.net/AMM.555.646</a> <a href="http://www.scopus.com">www.scopus.com</a>		0,1		0,1
69	Baritz M., <b>Cotoros D.</b> , 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 <a href="http://www.scientific.net/AMM.658.413">http://www.scientific.net/AMM.658.413</a> <a href="http://www.scopus.com">www.scopus.com</a>		0,1		0,1

70	Baritz M., <b>Cotoros D.</b> , Barbu D., <i>Analysis and Simulation of Gait Types with Blocked Joints</i> , Applied Mechanics and Materials 658, 2014, pp.407-412 <a href="http://www.scientific.net/AMM.658.407">http://www.scientific.net/AMM.658.407</a> <a href="http://www.scopus.com">www.scopus.com</a>		0,1		0,1
71	Baritz M., <b>Cotoros D.</b> , <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 <a href="http://www.scientific.net/AMR.748.531">http://www.scientific.net/AMR.748.531</a> <a href="http://www.scopus.com">www.scopus.com</a>		0,1		0,1
72	Baritz, M., <b>Cotoros, D.</b> , 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 <a href="http://www.scientific.net/AMM.656.642">http://www.scientific.net/AMM.656.642</a> <a href="http://www.scopus.com">www.scopus.com</a>		0,1		0,1
73	Baritz M., <b>Cotoros D.</b> , 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 <a href="http://www.scientific.net/AMM.760.287">http://www.scientific.net/AMM.760.287</a> <a href="http://web.b.ebscohost.com/">http://web.b.ebscohost.com/</a>		0,1		0,1
74	Baritz M., Balcu I., <b>Cotoros D.</b> , 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 <a href="http://www.scientific.net/AMM.760.305">http://www.scientific.net/AMM.760.305</a> <a href="http://web.b.ebscohost.com/">http://web.b.ebscohost.com/</a>		0,1		0,1
75	<b>Cotoros D.</b> , 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 <a href="http://www.scientific.net/AMM.760.335">http://www.scientific.net/AMM.760.335</a> <a href="http://web.b.ebscohost.com/">http://web.b.ebscohost.com/</a>		0,1		0,1
76	<b>Cotoros D.</b> , 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 <a href="http://www.scientific.net/AMM.760.341">http://www.scientific.net/AMM.760.341</a> <a href="http://web.b.ebscohost.com/">http://web.b.ebscohost.com/</a>		0,1		0,1
77	<b>Cotoros D.</b> , 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, <a href="http://www.scientific.net/AMM.801.284">http://www.scientific.net/AMM.801.284</a> <a href="http://web.b.ebscohost.com/">http://web.b.ebscohost.com/</a>		0,1		0,1

78	<b>Cotoros D.</b> , 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, <a href="http://www.scientific.net/AMM.801.278">http://www.scientific.net/AMM.801.278</a> <a href="http://web.b.ebscohost.com/">http://web.b.ebscohost.com/</a>		0,1		0,1
79	Barbu D., <b>Cotoros D.</b> , <i>Assessment of the Occupational Effects of Vibrations on the Human Body</i> , Applied Mechanics and Materials, Vol. 801, pp. 290-294, Oct. 2015, <a href="http://www.scientific.net/AMM.801.290">http://www.scientific.net/AMM.801.290</a> <a href="http://web.b.ebscohost.com/">http://web.b.ebscohost.com/</a>		0,1		0,1
80	<b>Cotoros D.</b> , 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, <a href="http://ieeexplore.ieee.org.am.enformation.ro/xpl/articleDetails.jsp?arnumber=7391372&amp;newsearch=true&amp;queryText=Cotoros">http://ieeexplore.ieee.org.am.enformation.ro/xpl/articleDetails.jsp?arnumber=7391372&amp;newsearch=true&amp;queryText=Cotoros</a>		0,1		0,1
81	Baritz M., Mosoi A., <b>Cotoros D.</b> , <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, <a href="http://ieeexplore.ieee.org.am.enformation.ro/xpl/articleDetails.jsp?arnumber=7391460&amp;newsearch=true&amp;queryText=Cotoros">http://ieeexplore.ieee.org.am.enformation.ro/xpl/articleDetails.jsp?arnumber=7391460&amp;newsearch=true&amp;queryText=Cotoros</a>		0,1		0,1
82	<b>Cotoros D.</b> , 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, <a href="http://ieeexplore.ieee.org.am.enformation.ro/xpl/articleDetails.jsp?arnumber=7391381&amp;newsearch=true&amp;queryText=Cotoros">http://ieeexplore.ieee.org.am.enformation.ro/xpl/articleDetails.jsp?arnumber=7391381&amp;newsearch=true&amp;queryText=Cotoros</a>		0,1		0,1
83	Baritz M., Mosoi A., <b>Cotoros D.</b> , <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, <a href="http://ieeexplore.ieee.org.am.enformation.ro/xpl/articleDetails.jsp?arnumber=7391462&amp;newsearch=true&amp;queryText=Cotoros">http://ieeexplore.ieee.org.am.enformation.ro/xpl/articleDetails.jsp?arnumber=7391462&amp;newsearch=true&amp;queryText=Cotoros</a>		0,1		0,1
84	<b>Cotoros D.</b> , Stanciu A., <i>Mobility Assessment and Rehabilitation in a Case of an Old Person Suffering Triple Humeral Fracture</i> , Applied Mechanics and Materials, vol.841, pp. 347-353, 2016, <a href="http://www.scientific.net/AMM.841.347">http://www.scientific.net/AMM.841.347</a>		0,1		0,1

85	<b>Cotoros D.</b> , Stanciu A., <i>Analysis of Instability Induced by Weight Carrying during Occupational Activities</i> , Applied Mechanics and Materials, vol.859, pp. 219-225, 2016, <a href="http://www.scientific.net/AMM.859.219">http://www.scientific.net/AMM.859.219</a>		0,1		0,1
Total puncte					<b>13,94</b>

### 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 ( <b>Cotoros</b> ) <b>Diana</b> , 1988	1	<b>1</b>

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

Nr. crt.	Descriere	Nr. pagini	Punctaj
1	Radu C., Rosca I., <b>Cotoros D.</b> , „The Design of an Adapted Osteosynthesis Implant for Fibula' Fracture”, <b>Chapter</b> International Conference on Advancements of Medicine and Health Care through Technology, Volume 26 of the series IFMBE Proceedings, Springer Verlag, 2009, pp 299-302 <a href="http://link.springer.com/chapter/10.1007/978-3-642-04292-8_66">http://link.springer.com/chapter/10.1007/978-3-642-04292-8_66</a> <a href="http://apps.webofknowledge.com">http://apps.webofknowledge.com</a>	4	0,4
2	Baritz, M., <b>Cotoros, D.</b> , „Education of Arms' Users in Dealing with Technological Activities”, <b>Chapter</b> International Conference on Advancements of Medicine and Health Care through Technology, Volume 36 of the series IFMBE Proceedings, Springer Verlag, 2011, pp 114-119 <a href="http://link.springer.com/chapter/10.1007/978-3-642-22586-4_24">http://link.springer.com/chapter/10.1007/978-3-642-22586-4_24</a> <a href="http://apps.webofknowledge.com">http://apps.webofknowledge.com</a>	6	0,6
3	Baritz, M., <b>Cotoros, D.</b> , „Digital Microscopy Used in Synthetic Structures Analysis of Dental Prosthesis”, <b>Chapter</b> International Conference on Advancements of Medicine and Health Care through Technology, Volume 36 of the series IFMBE Proceedings, Springer Verlag, 2011, pp.230-233 <a href="http://link.springer.com/chapter/10.1007/978-3-642-22586-4_49">http://link.springer.com/chapter/10.1007/978-3-642-22586-4_49</a> <a href="http://apps.webofknowledge.com">http://apps.webofknowledge.com</a>	4	0,4
4	Serban, I., Baritz, M., Rosca, I. C., <b>Cotoros D.</b> , „Statistical Analysis of Anthropometric and Physiologic Performance of the Hand”, <b>Chapter</b> International Conference on Advancements of Medicine and Health Care through	4	0,4

	Technology, Volume 36 of the series IFMBE Proceedings, Springer Verlag, 2011, pp.380-383 <a href="http://link.springer.com/chapter/10.1007/978-3-642-22586-4_80">http://link.springer.com/chapter/10.1007/978-3-642-22586-4_80</a> <a href="http://apps.webofknowledge.com">http://apps.webofknowledge.com</a>		
Articole care citeaza lucrarea			
4.1	Taheri, Hossein; Rowe, Justin B.; Gardner, David; et al., Design and preliminary evaluation of the Finger 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 <a href="http://apps.webofknowledge.com">http://apps.webofknowledge.com</a>		0,1
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 <a href="http://apps.webofknowledge.com">http://apps.webofknowledge.com</a>		0,1
5	Baritz, M., <b>Cotoros, D.</b> , „Human Gait Analysis for Hip Implanted Persons before and after Implant Procedure”, <b>Chapter</b> 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 <a href="http://link.springer.com/chapter/10.1007%2F978-3-642-23508-5_229">http://link.springer.com/chapter/10.1007%2F978-3-642-23508-5_229</a> <a href="http://apps.webofknowledge.com">http://apps.webofknowledge.com</a>	4	0,4
6	Baritz, M., <b>Cotoros, D.</b> , „Anthropometrical Studies for Human Hand Rehabilitation Procedures”, <b>Chapter</b> 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 <a href="http://link.springer.com/chapter/10.1007/978-3-642-23508-5_230">http://link.springer.com/chapter/10.1007/978-3-642-23508-5_230</a> <a href="http://apps.webofknowledge.com">http://apps.webofknowledge.com</a>	4	0,4
7	Repanovici A., <b>Cotoros D.</b> , Landoy A., “A Research Based Framework for Developing Information Literacy Projects”, <b>Chapter</b> 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 <a href="http://link.springer.com/chapter/10.1007/978-3-319-03919-0_45">http://link.springer.com/chapter/10.1007/978-3-319-03919-0_45</a> <a href="http://apps.webofknowledge.com">http://apps.webofknowledge.com</a>	6	0,6
8	Baritz, M., <b>Cotoros, D.</b> , Barbu D., „Criteria Analysis for Optimal Choice of Efficient Energy Use in Residential Buildings”, <b>Chapter</b> 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	6	0,6

	<a href="http://link.springer.com/chapter/10.1007/978-3-319-09707-7_3">http://link.springer.com/chapter/10.1007/978-3-319-09707-7_3</a>		
9	Baritz, M., <b>Cotoros, D.</b> , Barbu D., „Use of Thermo-Vision for Early Detection of Heat Losses, Inside and Outside Buildings with Mixed Heating”, <b>Chapter</b> Sustainable Energy in the Built Environment - Steps Towards nZEB, Part of the series Springer Proceedings in Energy, Springer Verlag, pp 31-37, ISBN: 978-3-319-09706-0 <a href="http://link.springer.com/chapter/10.1007/978-3-319-09707-7_2">http://link.springer.com/chapter/10.1007/978-3-319-09707-7_2</a>	6	0,6
Total Puncte			<b>4,6</b>

**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	<b>Cotoros D.</b> , „Mecanica”, editura Lux Libris, ISBN 973-9428-65-7, Brasov, 2001	210	4,2
2	<b>Cotoros D.</b> , Scutaru L., „Introducere în dinamica sistemelor de rigide”, editura Lux Libris ISBN:973 – 9458 – 26 – 2, Brasov, 2004	146	2,92
3	<b>Cotoros D.</b> , „Mechanics for students”, editura Lux Libris, Braşov, ISBN:973 – 9458 – 29 – 7, 2005	232	4,64
Total puncte			<b>11,76</b>

**Criteriul RIA – Recunoaşterea și impactul activităţii**

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

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

**Criteriul RIA-GRA 2 – Granturi internaţionale câştigate 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 în construcția lagarelor antifricțiune. Aplicatie la sisteme giroscopice directionale, perioada:2006-2008 finantator: AMCSIT Nr.Contract:212/2006	405000	8,1
3	Promovarea si sustinerea participării cercetării romanesti in programe transnationale in domeniul reciclării 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			<b>16,256</b>

**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 comportării la solicitari mecanice prin metoda elementelor finite, a materialelor compozite in scopul identificării proprietatilor elastice/vascoelastice ale acestora perioada: 2005-2008 finantator: MEC, Nr.Contract:42/2005	330000	1,65
2	Analiza virtuala nelineara si experimentală si controlul optimal al sistemelor mecanice multicorp cu elemente elastice, cu aplicatie în construcția 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 poluării prin sunete si vibratii in aglomerările urbane SICOMSUV, perioada:	100000	0,5

	2006-2008, finantator: MEC		
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			<b>10,379</b>

**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