

Autorul tezei de abilitare: **Conf.dr.ing. Daniela Mariana BARBU**

Titlul tezei de abilitare:

Cercetări aplicative în analiza și modelarea biosistemelor umane cu scopul creșterii calității vieții

Domeniul fundamental: **Științe inginerești**

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

FIȘA PENTRU VERIFICAREA ÎNDEPLINIRII STANDARDELOR MINIMALE

Domeniul: **Științe inginerești**

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

Nr. crt.	Criterii de evaluare	Minim de îndeplinit (puncte)	Punctaj calculat
I.	Criteriul (CDI) Activitate de cercetare științifică, dezvoltare tehnologică și inovare	Minim 10 puncte, din care minim 6 puncte din criteriul CDI-ART	CDI-ART = 16,626 CDI-BRV = 0 CDI-MON = 30,72 TOTAL CDI = 47,346
II.	Criteriul (DID) Activitate didactică și profesională	Minim 10 puncte, din care minim 6 puncte din criteriul DID-MSD	DID-MSD = 9,52 DID-LAB = 10 TOTAL DID = 19,52
III.	Criteriul (RIA) Recunoaștere și impactul activității	Minim 10 puncte, din care minim 6 puncte în calitate de director grant/proiect	RIA-GRA 2 = 0,119 RIA-GRA 3 = 11,614 RIA-GRA 4 = 23,776 RIA-CTR 4 = 0,533 TOTAL RIA = 36,042
TOTAL PUNCTE (minim 30)			102,908

I. CRITERIUL CDI - Activitate de cercetare științifică, dezvoltare tehnologică și inovare

Criteriul (CDI) Activitate de cercetare științifică, dezvoltare tehnologică și inovare	Indicatori CDI	Descriere	Calcul punctaj	Punctaj	Contribuție principală
	CDI-ART (minim 6 puncte)	Articole științifice publicate în reviste de specialitate cotate ISI sau în reviste / volume indexate ISI sau BDI	$1 \text{ articol} = FI^*_{\text{articol}} + \sum FI^*_{\text{citare}}$ $FI^* = 0,1 + FI$ Observație: FI = factor impact revistă ISI; pentru reviste BDI, FI=0 deci $FI^*=0,1$	CDI-ART = 16,626	10,973
	CDI-BRV	Brevete de invenție	1 brevet național = 1 punct	CDI-BRV = 0	0
	CDI-MON	Monografiile de specialitate sau capitole în monografii de specialitate	MON1: 1 punct = 10 pagini (editură internațională) MON2: 1 punct = 50 pagini (editură națională)	CDI-MON1 = 1,2 CDI-MON2 = 29,52 CDI-MON = 30,72	0
	Standard minimal	10 puncte	TOTAL CDI	47,346	10,973

I.1. Criteriul CDI-ART – Articole științifice publicate în reviste de specialitate cotate ISI sau în reviste / volume indexate ISI / BDI:

Formula de calcul: $1 \text{ articol} = FI^*_{\text{articol}} + \sum FI^*_{\text{citare}}$; $FI^*=0,1+$ factor de impact

Nr. crt.	Referința bibliografică	FI_{articol}	FI^*_{articol}	$\sum FI^*_{\text{citar e}}$	Puncte articol
1.	Barbu, D.M. ; Bulmagă, M.G. <i>Simulation Method for Color Vision on Drivers by Inducing Visual Stress</i> , Acta Technica Corviniensis - Bulletin of Engineering Hunedoara, 9.3 (Jul-Sep 2016); pp. 97-102. http://search.proquest.com/docview/1806387508?pq-origsite=gscholar	-	0,1	-	0,1
2.	Barbu, D.M. <i>Visual Field Evaluation Method of the Automobile Drivers in Traffic</i> , Annals of the Faculty of Engineering Hunedoara - International Journal of Engineering, Aug. 2016, Vol. 14 Issue 3, pp. 163-168. http://eds.a.ebscohost.com/abstract?site=eds&scope=site&jrnl=15842665&AN=118091905&h=y17w4CngqApf7xCDIHIOrGqrOL5MOUq5ZIOpcwVDhrMTcZB BVSQ5dE0Mv54WEeplqAJ0I0RqQ3AnkJiOQMNzrQ%3d%3d&crl=c&resultLocal=ErrCrlNoResults&resultNs=Ehost&crlhashurl=login.aspx%3fdirect%3dtrue%26profile%3dehost%26scope%3dsite%26authtype%3dcrawler%26jrnl%3d15842665%26AN%3d118091905	-	0,1	-	0,1
3.	Barbu, D.M. <i>Caracteristici fizice necesare in analiza comportarii dinamice a organismului uman</i> , Sinteze de mecanică teoretică și aplicată, Volumul 7 (2016), Nr. 3, pp. 193-200. http://search.proquest.com/docview/1876353627/6FDE7B388DC64E60PQ/9?accountid=7257	-	0,1	-	0,1
4.	Barbu, D.M. ; Bulmagă, M.G. <i>Considerations on Pupil Behavior in Different Lighting Conditions</i> , International Conference COMAT 2016; pp. 319-324. http://aspekt.unitbv.ro/jspui/handle/123456789/2153 https://scholar.google.ro/citations?view_op=view_citation&hl=ro&user=YIW HUQAAAAJ&cstart=20&pagesize=80&citation_for_view=YIWHUQAAAAJ:oNZ yr7d5Mn4C	-	0,1	-	0,1
5.	Barbu, D.M. <i>Considerations on the Behavior of the Soft Contact Lens Materials</i> , International Conference COMAT 2016; pp. 313-318. http://aspekt.unitbv.ro/jspui/handle/123456789/2152 https://scholar.google.ro/citations?view_op=view_citation&hl=ro&user=YIW HUQAAAAJ&cstart=20&pagesize=80&citation_for_view=YIWHUQAAAAJ:M7y ex6snE4oC	-	0,1	-	0,1
6.	Barbu, D.M. <i>Sensors Used for Biomechanical Rehabilitation of the Paraplegic Leg</i> , Annals of the Oradea University, Fascicle of Management and Technological Engineering, Volume XIV(XXIV), Issue 1, may 2015; ISSN 1583-0691; pp. 37-40. https://ulrichsweb.serialssolutions.com/title/1485843161505/671315 http://imtuoradea.ro/auo.fmte/files-2015-v1/Daniela%20Mariana%20BARBU%20-%20SENSORS%20USED%20FOR%20BIOMECHANICAL%20REHABILITATION%20OF%20THE%20PARAPLEGIC%20LEG.pdf https://scholar.google.ro/citations?view_op=view_citation&hl=ro&user=YIW HUQAAAAJ&citation_for_view=YIWHUQAAAAJ:JV2RwH3 STOC	-	0,1	0,3	0,4

citare	6.1.	Baritz, M.I.; Mosoi, A.A. <i>Posture Video Analysis of Athletes with Locomotor Disabilities, in Tennis Game</i> . Bulletin of the Transilvania University of Brasov, Vol. 9 (58) No. 2 - Special Issue – 2016, Series I: Engineering Sciences, pp. 33-38. http://eds.b.ebscohost.com/abstract?site=eds&scope=site&jrnl=20652119&AN=121241477&h=OzIVVFexxQ1irnxNW3tQomjhOozA7uvb8%2fxKwAFCL8hsg0op9ZDLOSq93ZwwxEilTaqKYujQoGU6bkFmMNV7GQ%3d%3d&crI=c&resultLocal=ErrCrlNoResults&resultNs=Ehost&crIhasHurl=login.aspx%3fdirect%3dtrue%26profile%3dehost%26scope%3dsite%26authtype%3dcrawler%26jrnl%3d20652119%26AN%3d121241477	-	-	0,1	
citare	6.2.	Baritz, M.I. <i>Impact of Effort Degree Developed in Fingers-Hand-Arm Assembly, on the Hand Dexterity. Case Study</i> . Bulletin of the Transilvania University of Brasov. Engineering Sciences. Series I; Brasov9.1 (2016), pp. 13-20. http://search.proquest.com/openview/2b68d1c8d34bb7a6b64c6c064240b409/1?pq-origsite=gscholar&cbl=105974	-	-	0,1	
citare	6.3.	Baritz, M.I. <i>Morphological analysis of plantar surface during a gait cycle</i> , ANNALS of Faculty Engineering Hunedoara – International Journal of Engineering Tome XIV [2016] – Fascicule 4, pp. 51-57. http://search.proquest.com/docview/1871543215/1018C939803E486DPQ/9?accountid=7257 https://scholar.google.ro/scholar?oi=bibs&hl=ro&cites=10102365293594160134&as_sdt=5	-	-	0,1	
7.		Barbu, D.M. <i>The Effects of Radiation on the Eye in Industrial Environments</i> , Annals of the Oradea University, Fascicle of Management and Technological Engineering, Volume XIV(XXIV), Issue 2, august 2015; ISSN 1583-0691; pp. 7-12. https://ulrichsweb.serialssolutions.com/title/1485843161505/671315 http://imtuoradea.ro/auo.fmte/files-2015-v2/BARBU%20Daniela%20Mariana%20-%20THE%20EFFECTS%20OF%20RADIATION%20ON%20THE%20EYE%20IN%20INDUSTRIAL%20ENVIRONMENTS.pdf https://scholar.google.ro/citations?view_op=view_citation&hl=ro&user=YIWHUQAAAAJ&citation_for_view=YIWHUQAAAAJ:blknAaTinKkC	-	0,1	0,4	0,5
citare	7.1.	Baritz, M.I. <i>Structural Analysis of Sportive Goggles Behavior</i> , International Conference COMAT 2016, pp. 179-184. http://aspekt.unitbv.ro/jspui/handle/123456789/2128 https://scholar.google.ro/scholar?oi=bibs&hl=ro&cites=16577207183012098189&as_sdt=5	-	-	0,1	
citare	7.2.	Baritz, M.I. <i>Facial Thermoregulation Like Expression of Postural Effort Level Induced on the Visual System</i> , Annals of the Faculty of Engineering Hunedoara, (Aug 2016), pp. 67-72. http://search.proquest.com/docview/1833964079?pq-origsite=gscholar	-	-	0,1	
citare	7.3.	Baritz, M.I. <i>Image Processing Used for Thermographic Response Assessment from the Hand-Fingers Composite Structure</i> , International Conference COMAT 2016, pp. 173-178. http://aspekt.unitbv.ro/jspui/handle/123456789/2124 https://scholar.google.ro/scholar?oi=bibs&hl=ro&cites=16577207183012098189&as_sdt=5	-	-	0,1	

citare	7.4.	Baritz, M.I. <i>Highlighting the Modifications of Gait Biomechanics Under Oculus Rift Influences</i> , Bulletin of the Transilvania University of Braşov, Vol. 9 (58) No. 2, Special Issue 2016, Series I: Engineering Sciences, pp. 39-44. http://eds.b.ebscohost.com/abstract?site=eds&scope=site&jrnl=20652119&AN=121241478&h=ZA8%2brYwTI%2f9mFbrxtA6RgDmGHPfsEMGzJfNBLxBQB3Xc4DgVR0JLS7Rlrmbjp5FukLgyukt4lxcLxW3S%2b1C5g%3d%3d&cr=c&resultLocal=ErrCrlNoResults&resultNs=Ehost&crh ashurl=login.aspx%3fdirect%3dtrue%26profile%3dehost%26scope%3d site%26authtype%3dcrawler%26jrnl%3d20652119%26AN%3d121241478	-	-	0,1	
8.		Barbu, D.M. ; Baritz, M.I. <i>Evaluation of the Human Body Equilibrium in a Vibration Environment</i> , Applied Mechanics and Materials (Volume 801), Issue Acoustics & Vibration of Mechanical Structures II, 2015; DOI 10.4028/www.scientific.net/AMM.801.295; pp. 295-299. http://web.a.ebscohost.com/ehost/detail/detail?sid=5ce452f8-c09d-4e79-98f4-576989afe8be%40sessionmgr4002&vid=0&hid=4109&bdata=JnNpdGU9ZWlv c3QtbGl2ZQ%3d%3d#AN=110529500&db=egs	-	0,1	0,2	0,3
citare	8.1.	Braun, B.C. <i>Statistical procedure for evaluation of stability evolution for tennis players</i> , Bulletin of the Transilvania University of Braşov, Vol. 9 (58) No. 2, Special Issue, n 2016, Series I: Engineering Sciences; pp. 63-68. http://eds.a.ebscohost.com/abstract?site=eds&scope=site&jrnl=20652119&AN=121241481&h=algehntMMCZ18hv0YtAc2%2bBcN5cOzmfV GkTNIK6oqmkZJ%2fRS3buLz8PcP0f4bkII46cMjHLWZ%2b76hbV0t%2fE MIA%3d%3d&cr=c&resultLocal=ErrCrlNoResults&resultNs=Ehost&cr l hashurl=login.aspx%3fdirect%3dtrue%26profile%3dehost%26scope% 3d site%26authtype%3dcrawler%26jrnl%3d20652119%26AN%3d1212 41481	-	-	0,1	
citare	8.2.	Braun, B.C. <i>Assisted procedure for monitoring and improving oculomotor behavior for preschool children</i> , Bulletin of the Transilvania University of Brasov, Series I: Engineering Sciences. 2016 Special Issue, Vol. 9, p57-62. http://eds.a.ebscohost.com/abstract?site=eds&scope=site&jrnl=20652119&AN=121241480&h=QE4P518Ukgbb1lw3FFujTx3EaCNukouBxA %2bjrGqN2TqopnLaOERpukVN0GjMaW7HRzWZzTrtbsVZWGzM6pEXg %3d%3d&cr=c&resultLocal=ErrCrlNoResults&resultNs=Ehost&cr l has hurl=login.aspx%3fdirect%3dtrue%26profile%3dehost%26scope%3d si te%26authtype%3dcrawler%26jrnl%3d20652119%26AN%3d1212414 80	-	-	0,1	
9.		Barbu, D.M. ; Cotoros, D.L. <i>Assessment of the Occupational Effects of Vibrations on the Human Body</i> , Applied Mechanics and Materials (Volume 801), Issue Acoustics & Vibration of Mechanical Structures II, 2015; DOI 10.4028/www.scientific.net/AMM.801.295; pp. 290-294. http://web.a.ebscohost.com/ehost/detail/detail?sid=c39b1cde-0026-4ee9-96b2-a6ad2cd365e7%40sessionmgr4002&vid=0&hid=4109&bdata=JnNpdGU9ZWlv c3QtbGl2ZQ%3d%3d#AN=110529499&db=egs	-	0,1	-	0,1
10.		Barbu D.M. ; Plesa I.M. <i>Techniques and Optometric Tools for Visual Training in Strabismus for Preschool Children</i> , The 5th IEEE International Conference on E-Health and Bioengineering (EHB 2015), Iaşi, Romania, November 19-21, 2015; paper 293. http://apps.webofknowledge.com/full_record.do?product=WOS&search_mo de=GeneralSearch&qid=1&SID=V1OT6kx6YnoD8raVhxV&page=1&doc=5&cac heurlFromRightClick=no	-	0,1	-	0,1

11.	Barbu D.M.; Vitelariu A.L. <i>Optometric Testing for Binocular Vision in Preschool Children</i> , The 5th IEEE International Conference on E-Health and Bioengineering - EHB 2015, Iași, Romania, November 19-21, 2015; paper 294. http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=V1OT6kx6YnoD8raVhxV&page=1&doc=4	-	0,1	-	0,1
12.	Baritz, M.; Barbu, D.M. <i>Analysis by Video Methods of Nystagmus in Simulated and Stimulated Movements</i> , The 6th International Conference on Computational Mechanics and Virtual Engineering (COMEC2015), 15-16 october 2015; Brasov, Romania; ISSN 2457-8541 & L 2457-8541; pp. 367-370. http://aspekt.unitbv.ro/jspui/handle/123456789/1934 https://scholar.google.ro/citations?view_op=view_citation&hl=ro&user=YIWHUQAAAAJ&citation_for_view=YIWHUQAAAAJ:LI9QrySNdTsC	-	0,1	0,1	0,2
citare	12.1. Baritz, M.I. <i>Dezvoltarea conceptuală și aplicativă a analizelor bio-comportamentului uman în confort ocupațional și ambiental</i> , Teză de abilitare, Brasov, 2016. http://www.unitbv.ro/Portals/31/Abilitare/Teze/Teza/05-Baritz-Teza%20abilitare%20RO.pdf https://scholar.google.ro/scholar?oi=bibs&hl=ro&cites=17239590643405645318&as_sdt=5	-	-	0,1	
13.	Barbu, D.M. <i>Some Aspects Concerning Modeling the Eye Plant without Ocular Deviations</i> , Applied Mechanics and Materials, (Volume 658), Advanced Concepts in Mechanical Engineering I, 2014; ISBN 978-303835271-6, ISSN 16609336; DOI 10.4028/ www.scientific.net/AMM.658.395; pp. 395-400. http://www.scopus.com/record/display.uri?eid=2-s2.0-84920639691&origin=resultslist&sort=plf-f&src=s&st1=barbu+d&st2=&sid=C0A6F12FD7344EE24524CCDB58829E1.N5T5nM1aaTEF8rE6yKCR3A%3a10&sot=b&sdt=b&sl=20&s=AUTHOR-NAME%28barbu+d%29&relpos=5&citeCnt=0&searchTerm=AUTHOR-NAME%28barbu+d%29	-	0,1	-	0,1
14.	Barbu, D.M. <i>Modeling of the Seated Human Body in a Vibrational Medium</i> , Applied Mechanics and Materials, (Volume 658), Advanced Concepts in Mechanical Engineering I, 2014; ISBN 978-303835271-6, ISSN 16609336; DOI 10.4028/www.scientific.net/AMM.658.395; pp. 401-406. http://www.scopus.com/record/display.uri?eid=2-s2.0-84920684055&origin=resultslist&sort=plf-f&src=s&st1=barbu+d&st2=&sid=C0A6F12FD7344EE24524CCDB58829E1.N5T5nM1aaTEF8rE6yKCR3A%3a10&sot=b&sdt=b&sl=20&s=AUTHOR-NAME%28barbu+d%29&relpos=6&citeCnt=0&searchTerm=AUTHOR-NAME%28barbu+d%29	-	0,1	0,2	0,3
citare	14.1. Baritz, M.I. <i>Facial Thermoregulation Like Expression of Postural Effort Level Induced on the Visual System</i> , Annals of the Faculty of Engineering Hunedoara, (Aug 2016), pp. 67-72. http://search.proquest.com/docview/1833964079?pq-origsite=gscholar	-	-	0,1	
citare	14.2. Baritz, M.I. <i>Morphological analysis of plantar surface during a gait cycle</i> , ANNALS of Faculty Engineering Hunedoara – International Journal of Engineering Tome XIV [2016] – Fascicule 4, pp. 51-57. http://search.proquest.com/docview/1871543215/1018C939803E486DPQ/9?accountid=7257	-	-	0,1	

15.	Baritz, M.; Cotoros, D.; Barbu, D.M. <i>Analysis and simulation of gait types with blocked joints</i> , Applied Mechanics and Materials, (Volume 658), Advanced Concepts in Mechanical Engineering I, 2014; ISBN 978-303835271-6, ISSN 16609336; DOI 10.4028/www.scientific.net/AMM.658.407; pp. 407-412. http://www.scopus.com/record/display.uri?eid=2-s2.0-84920696905&origin=resultslist&sort=plf-f&src=s&st1=barbu+d&st2=&sid=C0A6F12FD7344EE24524CCDB58829E1.N5T5nM1aaTEF8rE6yKCR3A%3a10&sot=b&sdt=b&sl=20&s=AUTHOR-NAME%28barbu+d%29&relpos=8&citeCnt=0&searchTerm=AUTHOR-NAME%28barbu+d%29	-	0,1	-	0,1
16.	Pascu, A.; Radoi M.; Bisoc, A.; Barbu, D. ; Barbu, I.; Ciurea, C.; Totoianu, G.; Stanciu, M. <i>N-terminal pro-brain natriuretic peptide (NT-proBNP) in patients with non-ST-elevation myocardial infarction (NSTEMI) compared to patients with unstable angina (UA) in a lot of patients admitted for non-ST-elevation acute coronary syndrome (NSTE-ACS)</i> , BioScientifica, Endocrine Abstracts, vol. 29, 2012, pp. 327. http://www.endocrine-abstracts.org/ea/0029/volumeeditors.aspx https://scholar.google.ro/citations?view_op=view_citation&hl=ro&user=YIW HUQAAAAJ&cstart=20&pagesize=80&citation_for_view=YIWHUQAAAAJ:Tyk-4Ss8FVUC	-	0,1	-	0,1
17.	Pascu, A.M.; Barbu, D.M. ; Barbu, I.; Neica, L.; Fleancu, A. <i>Applying engineering in healthcare: A proposed computer-assisted mathematical model for atherosclerotic cardiovascular risk assessment</i> , Proceedings of the 12th WSEAS International Conference on Mathematical and Computational Methods in Science and Engineering (MACMESE'10); Faro; Portugal; 3-5 November 2010; ISSN 1792-6114; pp. 252-257. http://www.scopus.com/record/display.uri?eid=2-s2.0-79959889483&origin=resultslist&sort=plf-f&src=s&st1=barbu+d&nlo=&nlr=&nls=&sid=C0A6F12FD7344EE24524CCDB58829E1.N5T5nM1aaTEF8rE6yKCR3A%3a10&sot=b&sdt=b&sl=20&s=AUTHOR-NAME%28barbu+d%29&relpos=38&citeCnt=0&searchTerm=AUTHOR-NAME%28barbu+d%29	-	0,1	-	0,1
18.	Drugă, C.; Barbu, D. ; Serban, I. <i>Femur Bone Model by Using a 3d Scanning Method</i> , The 3rd International Conference Advanced Composite Materials Engineering (COMAT 2010), Brasov, Romania, 27-29 October 2010; vol. 3; ISSN 1844-9336; pp. 59-62. https://www.researchgate.net/publication/264166977_FEMUR_BONE_MODEL_BY_USING_A_3D_SCANNING_METHOD	-	0,1	-	0,1
19.	Barbu, D.M. , Barbu, I. <i>General Considerations about an Active Knee Rehabilitation Orthotic Device</i> , Annals of Oradea University, Fascicle Management and Technological Engineering, vol. VIII (XVIII), 2009; ISSN 1583-0691; pp. 542-545. https://ulrichsweb.serialssolutions.com/title/1485843161505/671315 http://imtuoradea.ro/auo.fmte/files-2009/MECATRONICA_files/BARBU%20Daniela%20Mariana%201.pdf https://scholar.google.ro/citations?view_op=view_citation&hl=ro&user=YIW HUQAAAAJ&citation_for_view=YIWHUQAAAAJ:IWHjjKOFINEC	-	0,1	-	0,1

20.	Barbu, I., Barbu, D.M. <i>Design a Prototype for Rehabilitation Orthotic Device</i> , Annals of Oradea University, Fascicle Management and Technological Engineering, vol. VIII (XVIII), 2009; ISSN 1583-0691; pp. 546-552. https://ulrichsweb.serialssolutions.com/title/1485843161505/671315 http://imtuoradea.ro/auo.fmte/files-2009/MECATRONICA_files/BARBU%20lon%201.pdf https://scholar.google.ro/citations?view_op=view_citation&hl=ro&user=YIW HUQAAAAJ&citation_for_view=YIWHUQAAAAJ:4JMBOYKvNBMC	-	0,1	0,2	0,3	
citare	20.1.	Barbu, I. <i>Virtual Prototyping for an Mechatronics Device Used for Medical Rehabilitation</i> , The 3 rd International Conference on "Computational Mechanics and Virtual Engineering" (COMEC 2009), 29-30 October 2009, Brasov, Romania; ISBN 978-973-598-572-1; pp.29-32. http://aspekt.unitbv.ro/jspui/handle/123456789/955 https://scholar.google.ro/citations?view_op=view_citation&hl=ro&user=C6dtfhsAAAAJ&citation_for_view=C6dtfhsAAAAJ:LkGwnXOMwfcC	-	-	0,1	-
citare	20.2.	Barbu, I. <i>Some models of virtual prototypes device for leg orthoses</i> , Annals of DAAAM & Proceedings . Jan2009, p1189-1190 https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=4AcZqls5Tdx9f3cDNpD&page=1&doc=1	-	-	0,1	-
21.	Barbu, D. M. , Lache S., Barbu, I. <i>Experimental Prototyping for an Orthotic Device for Human Inferior Member</i> , The 3 rd International Conference on "Computational Mechanics and Virtual Engineering" (COMEC 2009), 29-30 October 2009, Brasov, Romania; ISBN 978-973-598-572-1; pp. 23-28. http://aspekt.unitbv.ro/jspui/handle/123456789/945 https://scholar.google.ro/citations?view_op=view_citation&hl=ro&user=YIW HUQAAAAJ&cstart=20&pagesize=80&citation_for_view=YIWHUQAAAAJ:4DMP91E08xMC	-	0,1	-	0,1	
22.	Barbu, D. M. , Barbu, I., Drugă, C. <i>Mechanical Requirements Used in Numerical Analysis of the Human Locomotion</i> , The 3 rd International Conference on "Computational Mechanics and Virtual Engineering" (COMEC 2009), 29-30 October 2009, Brasov, Romania; ISBN 978-973-598-572-1; pp. 19-22. http://aspekt.unitbv.ro/jspui/handle/123456789/952 https://scholar.google.ro/citations?view_op=view_citation&hl=ro&user=YIW HUQAAAAJ&cstart=20&pagesize=80&citation_for_view=YIWHUQAAAAJ:FxGoFyzp5QC	-	0,1	-	0,1	
23.	Lache, S., Barbu, D. , Barbu, I. <i>Modeling and simulation of a knee orthosis active part</i> , The 3 rd International Conference on "Computational Mechanics and Virtual Engineering" (COMEC 2009), 29-30 October 2009, Brasov, Romania; ISBN 978-973-598-572-1; pp. 373-376. http://aspekt.unitbv.ro/jspui/handle/123456789/1119 https://scholar.google.ro/citations?view_op=view_citation&hl=ro&user=YIW HUQAAAAJ&cstart=20&pagesize=80&citation_for_view=YIWHUQAAAAJ:M3NEmzRMlkiC	-	0,1	-	0,1	

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48.	Barbu, D.M. ; Lache, S.; Barbu, I. <i>Considerations about Human Behavior in a Vibrational Medium</i> , Proceedings of the 3rd WSEAS International Conference on Applied and Theoretical Mechanics (MECHANICS 07), Puerto De La Cruz, Tenerife, Canary Islands, Spain, December 14-16, 2007; ISBN 978-960-6766-19-0, ISSN 1790-2769, pp. 100-105. https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=5&SID=2CudjNS491Z7wuQosgE&page=1&doc=2	-	0,1	-	0,1
49.	Barbu, D.M. <i>Numerical Methods used in Analyses of the Human Behaviour in a Vibrational Medium</i> , Annals of DAAAM for 2007 & Proceedings of the The 18th International DAAAM Symposium „Intelligent Manufacturing & Automantion: Focus on Creativity, Responsability and Ethics of Engineers”, 24-27 october 2007, Zadar, Croatia; ISBN 3-901509-58-5, ISSN 1726-9679; pp. 055-056. http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=1&SID=N119m5gyFUi1Or2LnNg&page=1&doc=40&cacheurlFromRightClick=no	-	0,1	-	0,1
50.	Barbu, D.M. ; Barbu, I. <i>Experimental Methods used in Analyses of the Human Behavior in a Vibrational Medium</i> , Annals of DAAAM for 2007 & Proceedings of The 18th International DAAAM Symposium „Intelligent Manufacturing & Automantion: Focus on Creativity, Responsability and Ethics of Engineers”, 24-27 october 2007, Zadar, Croatia; ISBN 3-901509-58-5, ISSN 1726-9679; pp. 057-058. http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=1&SID=N119m5gyFUi1Or2LnNg&page=1&doc=41&cacheurlFromRightClick=no	-	0,1	-	0,1
51.	Barbu, D.M. <i>Human Behavior in a Vibrational Medium. Theoretical Considerations</i> , Proceedings of the Conference B.E.N.A.-ICAI 2007, Sustainable Development in the Balkan Area: Vision and Reality, Alba Iulia, 18-20 iulie 2007, ISBN 978-973-7942-88-3, pp. 215. https://scholar.google.ro/citations?view_op=view_citation&hl=ro&user=YIWHUQAAAAJ&cstart=20&pagesize=80&citation_for_view=YIWHUQAAAAJ:k_IJM867U9cC	-	0,1	-	0,1
52.	Barbu, D.M. <i>Correlations Between Mechanical Vibrations and Human Health</i> , 11th International Research/Expert Conference "Trends in the Development of Machinery and Associated Technology" (TMT 2007), Hammamet, Tunisia, 05-09 September, 2007, ISBN 978-9958-617-34-8, pp. 779-782. https://scholar.google.ro/citations?view_op=view_citation&hl=ro&user=YIWHUQAAAAJ&cstart=20&pagesize=80&citation_for_view=YIWHUQAAAAJ:-f6ydRqryiwC	-	0,1	-	0,1

53.	<p>Barbu, D.M.; Barbu, I. <i>Numerical Simulation of the Human Behavior in a Medium Polluted by Shocks and Vibrations</i>, 11th International Research/Expert Conference "Trends in the Development of Machinery and Associated Technology" (TMT 2007), Hammamet, Tunisia, 05-09 September, 2007, ISBN 978-9958-617-34-8, pp. 783-786. https://scholar.google.ro/citations?view_op=view_citation&hl=ro&user=YIWHUQAAAAJ&cstart=20&pagesize=80&citation_for_view=YIWHUQAAAAJ:L8Ckcd2t8MC</p>	-	0,1	-	0,1
54.	<p>Barbu D.M.; Barbu I. <i>Modelling of the Human Behaviour in a Vibrational Medium</i>, International Workshop „Advanced Research in Computational Mechanics and Virtual Engineering” (COMAT 2006), Braşov, 18-20 oct. 2006; ISBN 973-635-823-2; ISBN 978-973-635-821-0; CD-ROM Edition, Section 3, Extras pp. 292-298. http://aspect.unitbv.ro/jspui/handle/123456789/1030 https://scholar.google.ro/citations?view_op=view_citation&hl=ro&user=YIWHUQAAAAJ&cstart=20&pagesize=80&citation_for_view=YIWHUQAAAAJ:mVmsd5A6BfQC</p>	-	0,1	-	0,1
55.	<p>Barbu D.M.; Luculescu M. <i>Modeling of the Human Vision</i>, International Workshop „Advanced Research in Computational Mechanics and Virtual Engineering” (COMAT 2006), Braşov, 18-20 oct. 2006; ISBN 973-635-823-2; ISBN 978-973-635-821-0; CD-ROM Edition, Section 3, Extras pp. 314-318. http://aspect.unitbv.ro/jspui/handle/123456789/1048 https://scholar.google.ro/citations?view_op=view_citation&hl=ro&user=YIWHUQAAAAJ&cstart=20&pagesize=80&citation_for_view=YIWHUQAAAAJ:QIV2ME_5wuYC</p>	-	0,1	-	0,1
56.	<p>Barbu, D.M.; Barbu, I. <i>Modeling of Human Dynamics</i>, Annals of the Oradea University, Fascicle of Management and Technological Engineering, CD-ROM Edition, Vol. IV(XIV), Oradea, 2005; ISSN 1583-0691; pp. 474-481. http://ulrichsweb.serialssolutions.com/title/1454486897311/51315 https://scholar.google.ro/citations?view_op=view_citation&hl=ro&user=YIWHUQAAAAJ&cstart=20&pagesize=80&citation_for_view=YIWHUQAAAAJ:Zph67rFs4hoC</p>	-	0,1	-	0,1
57.	<p>Barbu, D.M., Barbu, I. <i>Aspecte ale biomecanicii oculare</i>, Annals of the Oradea University, Fascicle of Management and Technological Engineering, CD-ROM Edition, Vol. IV(XIV), Oradea, 2005; ISSN 1583-0691; pp. 482-487. http://ulrichsweb.serialssolutions.com/title/1454486897311/51315 https://scholar.google.ro/citations?view_op=view_citation&hl=ro&user=YIWHUQAAAAJ&cstart=20&pagesize=80&citation_for_view=YIWHUQAAAAJ:YsMSGLbcyi4C</p>	-	0,1	-	0,1
58.	<p>Barbu, D.M.; Barbu I. <i>New Optical Technologies in Optometry</i>, Proceedings of The 4th International Conference RoEduNet Romania „Education/Training and Information/Communication Technologies – ROEDUNET ‘05”, 20-22 mai 2005, Tg. Mureş; ISBN 973-7794-26-5; pp. 76-80. http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=1&SID=N119m5gyFUi1Or2LnNq&page=1&doc=44&cacheurlFromRightClick=no</p>	-	0,1	-	0,1

59.	Barbu, I.; Barbu D.M. <i>New CAD/CAM/CAE Technologies in Mechanical Engineering</i> , Proceedings of The 4th International Conference RoEduNet Romania „Education/Training and Information/Communication Technologies – ROEDUNET ‘05”, 20-22 mai 2005, Tg. Mureş, ISBN 973-7794-26-5; pp. 81-86. http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=1&SID=N119m5gyFU1Or2LnNq&page=1&doc=45&cacheurlFromRightClick=no	-	0,1	-	0,1
60.	Barbu D.M. ; Barbu I.; Luculescu M. <i>Basics Of Complete Biomechanical Models For Strabismus</i> , Proceedings of The 1st International Conference on Computational Mechanics and Virtual Engineering (COMEC 2005), Braşov 20-22 October 2005; ISBN 973-635-593-4; CD-ROM EDITION, Aditional volume, pp. 7-13. http://aspekt.unitbv.ro/jspui/handle/123456789/966 https://scholar.google.ro/citations?view_op=view_citation&hl=ro&user=YIW HUQAAAAJ&start=20&pagesize=80&citation_for_view=YIWHUQAAAAJ:WpOglr-vW9MC	-	0,1	-	0,1
61.	Barbu D.M. ; Barbu I.; Luculescu M. <i>Some Aspects About Virtual Eye Concept</i> , Proceedings of The 1st International Conference on Computational Mechanics and Virtual Engineering (COMEC 2005), Braşov 20-22 October 2005, ISBN 973-635-593-4; CD-ROM EDITION, Aditional volume, pp. 14-20. http://aspekt.unitbv.ro/jspui/handle/123456789/976 https://scholar.google.ro/citations?view_op=view_citation&hl=ro&user=YIW HUQAAAAJ&start=20&pagesize=80&citation_for_view=YIWHUQAAAAJ:9ZIF YXVOiuMC	-	0,1	-	0,1
62.	Barbu I.; Luculescu M.; Barbu D.M. <i>Virtual Prototyping Methods Applied in Mechanical Engineering</i> , Proceedings of the 1st International Conference on Computational Mechanics and Virtual Engineering (COMEC 2005), 20-22 oct. 2005, Braşov; ISBN 973-635-593-4; CD-ROM EDITION, pp. 237-240. http://aspekt.unitbv.ro/jspui/handle/123456789/841 https://scholar.google.ro/citations?view_op=view_citation&hl=ro&user=YIW HUQAAAAJ&citation_for_view=YIWHUQAAAAJ:qUcmZB5y_30C	-	0,1	0,2	0,3
citare	62.1. Loghin, F.; Rus, F. <i>Theoretical Modeling through Virtual Prototyping of Transmission of Sowing Machines</i> , Proceedings of the Third International Conference, Research People and Actual Tasks on Multidisciplinary Sciences, Lozenec, Bulgaria, 8–10 June, 2011; ISSN 1313-7735; pp. 52-57. https://scholar.google.ro/scholar?oi=bibs&hl=ro&cites=10010616059509930502&as_sdt=5	-	-	0,1	-
citare	62.2. Loghin, F.; Rus, F.; Capatina, I. <i>The Development and the Simulation of the Virtual Prototype of a Device for Penetrometers Acting</i> , COMEC 2011, ISBN 978-973-131-122-7; pp. 41-44. https://scholar.google.ro/scholar?oi=bibs&hl=ro&cites=10010616059509930502&as_sdt=5	-	-	0,1	-
63.	Luculescu, M., Lache, S., Barbu, D. , Barbu, I. <i>Feature Extraction Methods Used For Images Of Macular Diseases – Part I</i> , Proceedings of The 1st International Conference on Computational Mechanics and Virtual Engineering (COMEC 2005), Braşov 20-22 October 2005; ISBN 973-635-593-4; CD-ROM EDITION, Aditional volume, pp. 48-54. http://aspekt.unitbv.ro/jspui/handle/123456789/992 https://scholar.google.ro/scholar?cluster=11365985337469435906&hl=ro&as_sdt=2005	-	0,1	-	0,1

64.	Luculescu, M., Lache, S., Barbu, D. , Barbu, I. <i>Feature Extraction Methods Used For Images Of Macular Diseases – Part II</i> , Proceedings of The 1st International Conference on Computational Mechanics and Virtual Engineering (COMEC 2005), Braşov 20-22 October 2005; ISBN 973-635-593-4; CD-ROM EDITION, Aditonal volume, pp. 55-60. http://aspekt.unitbv.ro/jspui/handle/123456789/993 https://scholar.google.ro/citations?view_op=view_citation&hl=ro&user=YIWHUQAAAAJ&citation_for_view=YIWHUQAAAAJ:TFP_iSt0sucC	-	0,1	0,4	0,5
citare	64.1. Luculescu, M.C; Lache, S. <i>Computer-Aided Diagnosis System for Retinal Diseases in Medical Imaging</i> , WSEAS Transactions on Systems, Issue 3, Volume 7, March 2008; ISSN: 1109-2777; pp. 264-276. https://scholar.google.ro/scholar?oi=bibs&hl=ro&cites=11365985337469435906&as_sdt=5	-	-	0,1	-
citare	64.2. Luculescu, M.C; Lache, S. <i>MaculaTEST - Computer Aided Diagnosis System for Macular Diseases</i> , 6th WSEAS Int. Conference on Computational Intelligence, Man-Machine Systems and Cybernetics, Tenerife, Spain, December 14-16, 2007; ISSN 1790-5117; ISBN: 978-960-6766-25-1pp. 77-82. https://scholar.google.ro/scholar?oi=bibs&hl=ro&cites=11365985337469435906&as_sdt=5	-	-	0,1	-
citare	64.3. Luculescu, M.C; Lache, S. <i>Using artificial neural networks in a Computer Aided Diagnosis system for Macular diseases</i> , IEEE International Conference on Automation, Quality and Testing, Robotics, 2008 (AQTR 2008); E-ISBN 978-1-4244-2577-8; Print ISBN 978-1-4244-2576-1; pp. 143-148. http://ieeexplore.ieee.org/xpl/login.jsp?tp=&arnumber=4588899&url=http%3A%2F%2Fieeexplore.ieee.org%2Fexpl%2Fabs_all.jsp%3Farnumber%3D4588899	-	-	0,1	-
citare	64.4. Sukanesh, R.; Murugeswari, S. <i>Impulsive Taxation of Diabetic Maculopathy from Tint Retinal Metaphors</i> ; International Journal of Computer Applications; Volume 82, No. 11, November 2013; ISSN 0975- 8887; DOI 10.5120/14159-1956; pp. 12-16. http://search.proquest.com/openview/44259ff7cddac297308cad9176da02bb/1?pg-origsite=gscholar	-	-	0,1	-
65.	Barbu, D.M. <i>Mechatronic application of optometry</i> , Revista Mecatronica, nr. 3/2004; ISSN 1583-7653; pp. 5-8. http://eds.b.ebscohost.com/abstract?site=eds&scope=site&jrnl=15837653&AN=27989874&h=yUM7F1Zwr%2b7hExBecY8tgd2AO7DWXdn6HhVdk80dSfyRD07hTFgGQ3TiunT8CRKO36FUHB0wdPkaGwi4Xp8Nag%3d%3d&crl=c&resultLocal=ErrCrlNoResults&resultNs=Ehost&crlhashurl=login.aspx%3fdirect%3dtrue%26profile%3dehost%26scope%3dsite%26authtype%3dcrawler%26jrnl%3d15837653%26AN%3d27989874	-	0,1	-	0,1
66.	Barbu, D.M. ; Barbu I. <i>Modeling of the Human Body in Accident Simulation</i> , Proceedings of The 10 th International Congress “Automotive and Future Technologies” (CONAT 2004), Braşov, 20-22 oct. 2004, paper 20044085, CD-ROM Edition, MGM-0231-7002-34, Book of Abstract of The10th International Congress CONAT 2004, Brasov; ISBN 973-635-394-X; pp. 216. http://www.fisita.com/publications/papers?id=3500	-	0,1	-	0,1
67.	Barbu, D.M. ; Barbu I. <i>A human FEM presentation</i> , Proceedings of The 10 th International Congress “Automotive and Future Technologies” (CONAT 2004), Braşov, 20-22 oct. 2004, paper 20044086, CD-ROM Edition, MGM-0231-7002-34, Book of Abstract of The 10th International Congress CONAT 2004; ISBN 973-635-394-X; pp. 217. http://www.fisita.com/publications/papers?id=3501	-	0,1	-	0,1

68.	Barbu, D.M.; Barbu I.; Luculescu M. <i>Modelling and Control of Eye-Movement</i> , Annals of DAAAM for 2003 and Proceedings of The 14th International DAAAM Symposium “Intelligent manufacturing & Automation: Focus on Reconstruction and Development”, 22-25 oct. 2003, Sarajevo, Bosnia and Herzegovina; ISSN 1726-9679; pp. 029-030. http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=1&SID=Z1TAMxiu2g8QVZL9y4O&page=22&doc=1073&cacheurlFromRightClick=no	-	0,1	-	0,1
69.	Barbu, D.M. <i>Cervical Spine Kinematics</i> , Bulletin of the „Transilvania” University from Braşov, 2002, Series A, Vol. 9 (44), ISSN 1223-9631; pp. 59-62. https://scholar.google.ro/citations?view_op=view_citation&hl=ro&user=YIW HUQAAAAJ&cstart=20&pagesize=80&citation_for_view=YIWHUQAAAAJ:u5H HmVD_uO8C	-	0,1	-	0,1
TOTAL PUNCTE CRITERIUL CDI - ART					16,626

I.2. Criteriul CDI-MON1 - Monografiile de specialitate sau capitole în monografiile de specialitate internaționale

Mod de calcul: 1 punct = 10 pagini

Nr. crt.	Referința bibliografică	Nr. pagini	Puncte
1.	Baritz, M., Cotoros, D., Barbu, D. , <i>Sustainable Energy in the Built Environment - Steps Towards nZEB - Use of Thermo-Vision for Early Detection of Heat Losses, Inside and Outside Buildings with Mixed Heating</i> , Editura Springer, 2014, ISBN 978-3-319-09706-0 978-3-319-09707-7. http://link.springer.com/chapter/10.1007/978-3-319-09707-7_2	6	0,6
2.	Baritz, M., Cotoros, D., Barbu, D. , <i>Sustainable Energy in the Built Environment - Steps Towards nZEB - Criteria Analysis for Optimal Choice of Efficient Energy Use in Residential Buildings</i> , Editura Springer, 2014, ISBN 978-3-319-09706-0 978-3-319-09707-7. http://link.springer.com/chapter/10.1007/978-3-319-09707-7_3	6	0,6
TOTAL PUNCTE CRITERIUL CDI - MON1			1,2

I.2. Criteriul CDI-MON2 – Monografiile de specialitate sau capitole în monografiile de specialitate naționale

Mod de calcul: 1 punct = 50 pagini

Nr. crt.	Referința bibliografică	Nr. pagini	Puncte
1.	Lache, S.; Barbu, D.M. ; Luculescu, M.C.; Barbu, I. <i>Modele și sisteme avansate pentru protecția organismului uman la vibrații și prevenirea bolilor profesionale</i> , Editura Universității Transilvania Brașov, 2009, ISBN 978-973-598-379-6. https://www.worldcat.org/title/modele-si-sisteme-avansate-pentru-protectia-organismului-uman-la-vibratii-si-prevenirea-bolilor-profesionale/oclc/895442774&referer=brief_results	153	3,06
2.	Lache, S.; Barbu, D.M. ; Luculescu, M.C.; Popovici, B.; Necula, R.; Secară, E. <i>Boli profesionale datorate influenței vibrațiilor asupra organismului uman</i> , Editura Universității Transilvania din Brașov, 2008, ISBN 978-973-598-205-8. https://www.worldcat.org/title/boli-profesionale-datorate-influentei-vibratiilor-asupra-organismului-uman/oclc/895295292&referer=brief_results	140	2,8
3.	Olariu, V.; Roșca, I.; Radu, Gh.; Baritz, M.; Barbu, D. <i>Biomecanica. Bazele biomecanicii</i> , Editura Macarie, Colecția „Universitaria” Târgoviște, 1998; ISBN 973-9372-01-5.	209	4,18
4.	Olariu, V.; Talpoși, A.; Macovei, M.; Cîrîc, D. (Barbu, D.) <i>Mecanica - Dinamica</i> , Editura Bravox, Brașov, 1995; ISBN 973-95054-1-5.	412	8,24
5.	Olariu, V.; Talpoși, A.; Macovei, M.; Cîrîc, D. (Barbu, D.) <i>Mecanica – Cinematica</i> , Editura Bravox, Brașov, 1994; ISBN 973-95054-9-0.	267	5,34
6.	Olariu, V.; Talpoși, A.; Macovei, M.; Cîrîc, D. (Barbu, D.) <i>Mecanica – Statica</i> , Editura Tipocart Brașovia, Brașov, 1994; ISBN 973-96352-5-3.	295	5,9
TOTAL PUNCTE CRITERIUL CDI - MON2			29,52

II. CRITERIUL DID – Activitate didactică și profesională

Criteriul (DID) Activitate didactică și profesională	Indicatori CDI	Descriere	Calcul punctaj	Punctaj	Contribuție principală
	DID-MSC (minim 6 puncte)	Manuale suport curs, format tipărit sau format electronic	1 punct = 50 pagini Observație: Candidatul trebuie să fie autor unic sau prim autor	9,52	9,52
	DID-LAB	Laboratoare / standuri pentru activități didactice	1 punct = 1 lucrare de laborator	10	10
	DID-PIE	Platforme informatice educaționale		0	0
	Standard minimal	10 puncte	TOTAL DID	19,52	19,52

II.1. CRITERIUL DID-MSC – Manuale suport curs, format tipărit sau format electronic

Mod de calcul: 1 punct = 50 pagini

Nr. crt.	Denumire	Nr. pagini	Punctaj
1.	Barbu, D.M. Tehnologii de montaj și adaptare ochelari , Editura Universității „Transilvania” din Brașov, 2003; ISBN 973-635-131-9; 150 pagini. https://www.worldcat.org/title/tehnologii-de-montaj-si-adaptare-ochelari/oclc/895773883&referer=brief_results	150	3
2.	Barbu, D.M. Analiza și modelarea funcției vizuale , Editura Universității „Transilvania” din Brașov, 2003; ISBN 973-635-130-0; 218 pagini. https://www.worldcat.org/title/analiza-si-modelarea-functiei-vizuale/oclc/895776560&referer=brief_results	218	4,36
3.	Barbu, D.M. Metode numerice in inginerie: baze teoretice , Tipografia Universității Transilvania, 2003. https://www.worldcat.org/title/metode-numerice-in-inginerie-baze-teoretice-pentru-uzul-studentilor/oclc/895541385&referer=brief_results	108	2,16
TOTAL PUNCTE CRITERIUL DID - MSC			9,52

II.2. CRITERIUL DID-LAB – Laboratoare / standuri pentru activități didactice

Mod de calcul: 1 punct = 1 lucrare de laborator

Nr. crt.	Denumire	Punctaj
Barbu, D.M. Metode numerice. Aplicații în MathCAD , Editura Gr.T. Popa, UMF Iași, ISBN 973-606-544-438-6, Iași, 2017.		
1	Prezentarea generală a mediului de programare MathCAD	1
2	Utilizarea grafurilor de procedură	1
3	Rezolvarea ecuațiilor algebrice	1
4	Rezolvarea sistemelor algebrice	1
5	Valori și vectori proprii	1
6	Calcul de derivare și integrare	1
7	Interpolare numerică	1
8	Integrarea numerică a sistemelor de ecuații diferențiale	1
9	Aplicații în inginerie	1
10	Programare în MathCAD	1

III. CRITERIUL RIA – Recunoaștere și impactul activității

Criteriul (RIA)	Indicatori RIA	Denumire	Calcul punctaj	Punctaj	Contribuție personală directă
	Recunoaștere și impactul activității	Granturi GRA	Granturi internaționale câștigate în calitate director sau responsabil partener grant internațional	1 punct = 10000 Euro	GRA1 = 0
Granturi internaționale câștigate în calitate de membru în echipă			0,25 puncte = 10000 euro	GRA2 = 0,119	0,119 Conform FRACS
Granturi naționale câștigate în calitate de director sau responsabil			1 punct = 50000 lei	GRA3 = 11,614	11,614
Granturi naționale câștigate în calitate de membru în echipă			0,25 puncte = 50000 lei	GRA4 = 23,776	0
Contracte CTR		Contract cu beneficiar din mediul economic internațional în calitate de director sau partener	1 punct = 2000 euro	CTR1 = 0	0
		Contract cu beneficiar din mediul economic național în calitate de director sau partener	0,25 puncte = 2000 euro	CTR2 = 0	0
		Contract cu beneficiar din mediul economic internațional în calitate de membru în echipă	1 punct = 10000 lei	CTR3 = 0	0
		Contract cu beneficiar din mediul economic național în calitate de membru în echipă	0,25 puncte = 10000 lei	CTR4 = 0,533	0,371 Conform FRACS
Standard minimal	10 puncte	TOTAL RIA	36,042	12,104	

III.1. Criteriul RIA-GRA2 – Granturi internaționale câștigate în calitate de membru în echipă

Mod de calcul punctaj: 0,25 puncte = 10000 euro

Nr. crt.	Denumire	Perioada de derulare	Valoare (euro)	Puncte
1.	Program european sectorial Erasmus +, contract 2015-1-RO01-KA103-014935/27.07.2015	2015	1310,89	0,0328
2.	Program european sectorial Erasmus, contract 6/31.05.2013; finanțator: Erasmus.	2014	1101,42	0,0275
3.	Program european sectorial Erasmus, contract 6/31.05.2013; finanțator: Erasmus.	2013	762,21	0,0190
4.	Program european sectorial Erasmus, contract 6/31.05.2012; finanțator: Erasmus.	2012	943	0,0235
5.	Program european sectorial Erasmus, contract 6/31.05.2011; finanțator: Erasmus.	2011	646	0,0162
TOTAL PUNCTE CRITERIUL RIA-GRA 2				0,119

III.2. CRITERIUL RIA – GRA3 - Granturi naționale câștigate în calitate de director

Mod de calcul punctaj: 1 punct = 50000 lei

Nr. crt.	Denumire	Perioada de derulare	Valoare (lei)	Puncte
1.	Proiect de cercetare exploratorie PN-II-PCE, Program IDEI, cod ID_147, contract nr. 327/1.10.2007 - Contribuții la analiza, modelarea și simularea sistemelor mecatronice moderne destinate recuperării medicale; finanțator: UEFISCDI, CNCISIS. http://cncsis.gov.ro/UserFiles/File/PN%2020%20Idei%20Competitie%202007/Proiecte%20propuse/Proiecte_propuse_spre_finantare_domeniul_4_STIINTE_INGINERESTI.pdf	2007-2010	541700	10,834
2.	Grant AT, Tema 1, Cod 133, Contract 27684/14.03.2005 și A1/GR106/19.07.2006 - Analiza, modelarea și simularea comportării organismului uman într-un mediu poluat de șocuri și vibrații cu implicații în protezarea și ortezarea oculară; finanțator: CNCISIS. http://cncsis.gov.ro/UserFiles/File/Competitii%20derulate/REZULTATE_AT_2005_NOI.pdf http://cncsis.gov.ro/UserFiles/File/Competitii%20derulate/REZULTATE_AT_2006_CONTINUARE.pdf	2005-2006	28000	0,56
3.	Grant AT, Tema 1, Cod 423, Contract 33253/25.06.2003 și 33369/29.06.2004 - Contribuții la analiza și modelarea funcției vizuale în vederea protezării și ortezării; finanțator: CNCISIS. http://cncsis.gov.ro/UserFiles/File/Competitii%20derulate/Rez_2003_AT_finantate_noi.pdf http://cncsis.gov.ro/UserFiles/File/granturi/2004/AT/AT_CONTINUARI_FINANTATE.htm	2003-2004	11000	0,22
TOTAL PUNCTE CRITERIUL RIA-GRA 3				11,614

III.3. CRITERIUL RIA – GRA4 - Granturi naționale câștigate în calitate de membru în echipă

Mod de calcul punctaj: 0,25 puncte = 50000 lei

Nr. crt.	Denumire	Perioada de derulare	Valoare (lei)	Puncte
1.	CDI 5/5.1/ELI-RO, Camera de interacție cu sistem de aliniere integrat față de un fascicul Gamma/ELICAM-GAMMA http://www.ifa-mg.ro/eli/docs/rezumate_eli/16-ELI%20-%20ELICAM-GAMMA/B1_RO_Rezumatul%20proiectului.pdf	2016-2019	1277912,69	6,39
2.	PN-III-P2-2.1-BG-2016-0132, Îmbunătățirea tehnologiei sistemului mecatronic multispectral în vederea creșterii performanțelor de captare a parametrilor vegetativi în contextul schimbărilor climatice; finanțator UEFISCDI; Director: Conf.dr.ing. Marius Luculescu http://www.unitbv.ro/dpm/CercetareStiintifica/C04Sistememecatronicceavansate/Proiect%E2%80%9EBridgeGrant%E2%80%9DMultiCanSP_EC.aspx	2016-2018	460000	2,3
3.	PNII Capacități, Contract 114CP/I-14.09.2007 - Bază de cercetare multidisciplinară pentru managementul modelării, proiectării și fabricației sistemelor mecatronice cu aplicație în industrie și medicină; finanțator: MEC; Director: Prof.dr.ing. Luciana Cristea http://uefiscdi.gov.ro/userfiles/file/platforme/lista_proiecte_primite.htm	2007-2010	1715325	8,576

4.	PNII Parteneriate 71-129 – SMANAR - <i>Sisteme mecatronice de acționare realizate cu noi tipuri de actuatori pentru aplicații în robotică și în alte domenii</i> ; finanțator: MEC; Responsabil Proiect: Prof.dr.fiz. Sorin Constantin Zamfira http://mdm.utcluj.ro/Proiecte/Smanar/rezultate.html	2007-2010	131087	0,655
5.	Proiect CEEX 694 – MERVI - <i>MEdiu colaborativ de Realitate Virtuală pentru planificarea preoperatorie în ortopedie</i> ; finanțator: CNCIS; Director: Prof.dr.ing. Doru Talabă http://www.mct-excelenta.ro/fileadmin/mct/Rezultate/modulul_1/ianuarie_2006/lista_rezerva_64_programe_site.htm	2006-2008	800000	4,0
6.	Grant A, Cod 1058 - <i>Protecția organismului uman la șocuri și vibrații</i> , finanțator: CNCIS; Director: Prof.dr.ing. Ioan Balcu http://194.102.64.7/GranturiFinalizate/faces/Projects/ProjectsList.jsp	2007-2008	100000	0,5
7.	Grant A, Cod 393 - <i>Modele și sisteme avansate pentru protecția organismului uman la vibrații și prevenirea bolilor profesionale</i> , finanțator: CNCIS; Director: Prof.dr.ing. Simona Lache http://194.102.64.7/GranturiFinalizate/faces/Projects/ProjectsList.jsp	2006-2008	200000	1,0
8.	Grant AT, Cod 172 - <i>Analiza, fabricarea, modelarea și testarea ultrasonică nedistructivă a unor structuri de materiale compozite ranforsate cu particule în vederea conceperii unui mediu de inginerie concurentă</i> , finanțator: CNCIS; Director: Conf.dr.ing. Dana Luca Motoc http://uefiscdi.gov.ro/userfiles/file/granturi/Granturi%20finalizate%2031%20dec%202005/com_2_tip_AT.htm	2004-2005	33000	0,165
9.	Grant AT, Cod 424 - <i>Cercetări privind identificarea dinamică în procesul de ameliorare a performanțelor structurilor din materiale industriale</i> , finanțator: CNCIS; Director: Prof.dr.ing. Simona Lache http://vechi.cncsis.ro/comisii_f_2005.php?id=2.00&tip=AT	2003-2004	9600	0,048
10.	Grant A, Cod 525 - <i>Perfectionarea și modernizarea structurală a sistemelor automate de control dimensional destinate rețehnologizării și asigurării calitatii producției industriale de rulmenți și organe de asamblare</i> , finanțator: CNCIS; Director: Prof.dr.ing. Luciana Cristea http://uefiscdi.gov.ro/UserFiles/File/Competitii%20derulate/Rez_2002_A.htm	2001-2002	8590	0,042
11.	Grant AT, Cod 27/15T - <i>Cercetări teoretice și experimentale în domeniul sistemelor mecanice inerțiale</i> , finanțator: CNCIS; Director: Prof.dr.ing. Angela Repanovici http://uefiscdi.gov.ro/UserFiles/File/Competitii%20derulate/Rez_2002_AT.htm	2001-2002	6000	0,03
12.	Grant AT, Cod 121 - <i>Optimizarea și rețehnologizarea sistemelor automate de control dimensional destinate componentelor de rulmenți asamblați</i> , finanțator: CNCIS; Director: Prof.dr.ing. Luciana Cristea http://uefiscdi.gov.ro/UserFiles/File/Competitii%20derulate/Rez_2001_AT.htm	2000-2001	7000	0,035
13.	Grant AT, Cod 343 - <i>Perfectionarea structurii automatului de control a inelelor pentru rulmentii conici</i> , finanțator: CNCIS; Director: Prof.dr.ing. Luciana Cristea http://uefiscdi.gov.ro/UserFiles/File/Competitii%20derulate/Rez_1999.pdf	1998-1999	7000	0,035
TOTAL PUNCTE CRITERIUL RIA-GRA 4				23,776

III.2. CRITERIUL RIA – CTR4 - Contract cu beneficiar din mediul economic național - în calitate de membru în echipă

Mod de calcul punctaj: 0,25 puncte = 10000 lei

Nr. crt.	Denumire	Perioada de derulare	Valoare (lei)	Puncte
1.	Contract 17678/2010 - Evaluarea testarii troponinei cu sensibilitate crescuta "high sensitive" troponin T (hs-TnT) – Roche Elecsis® - comparativ cu troponina standard la pacienții cu sindroame coronariene acute; finanțator: Roche Elecsis®; Responsabil proiect: Prof.dr.med. Alina Pascu	2010-2011	21328	0,5332
TOTAL PUNCTE CRITERIUL RIA-CTR4				0,533

Data, 20 martie 2017

Conf.dr.ing. Barbu Daniela Mariana