

## FIŞA PENTRU VERIFICAREA STANDARDELOR MINIMALE

*domeniul fundamental “Ştiinţe inginereşti”*

*comisia de specialitate “ Inginerie mecanică, mecatronică şi robotică”*

Dr ing. SCUTARU Maria Luminița

Nr. crt.	Criterii de evaluare	Minim de indeplinit (puncte)	Punctaj calculat
1.	<b>Criteriul (CDI)</b> Activitate de cercetare științifică, dezvoltare tehnologică și inovare	Minim 10 puncte, din care minim 6 puncte din CDI-ART ( <i>Articole științifice publicate în reviste de specialitate cotate ISI, sau în reviste/volume indexate ISI sau BDI</i> )	<b>43,162 puncte din care 28,642 puncte din criteriul CDI-ART</b>
2.	<b>Criteriul (DID)</b> Activitate didactică și profesională	Minim 10 puncte, din care minim 6 puncte din DID-MSC ( <i>Manuale suport curs, format tipărit sau format electronic</i> )	<b>22,92 puncte din criteriul DID-MSC</b>
3.	<b>Criteriul (RIA)</b> Recunoaștere și impactul activității	Minim 10 puncte <i>Contribuție principală (minim 60%) în calitate de director grant/proiect</i>	<b>32,105 puncte din care 8,913 puncte contribuție principală în calitate de director proiect</b>
<b>TOTAL</b>		<b>30 puncte</b>	<b>101.187 puncte</b>

**Criteriul CDI – Activitate de cercetare stiintifica, dezvoltare tehnologica si inovare**

**Criteriul CDI-ART 1 - Articole științifice publicate în reviste de specialitate cotate ISI :**

**Formula de calcul     $I\ articol = FI^*_{articol} + \Sigma FI^*_{citare}; \quad FI^* = 0.1 + Factor\ de\ impact$**

Nr. crt.	Referință bibliografică	FI articol	FI* articol	$\Sigma FI^*_{citare};$	Puncte articol
1.	Advanced HDPE with increased stiffness used for water supply networks Author(s): <u>M.L.Scutaru</u> , H.Teodorescu, S.Vlase, M.Marin Journal of Optoelectronics and Advanced Materials Volume: 17 Issue: 3-4 Pages: 484-488 Published: March-April 2015, <a href="http://joam.inoe.ro/index.php?option=magazine&amp;op=view&amp;idu=3690&amp;catid=89">http://joam.inoe.ro/index.php?option=magazine&amp;op=view&amp;idu=3690&amp;catid=89</a>	0.563	0.663	-	<b>0.663</b>
2.	Finite Element Analysis of a Two-Dimensional Linear Elastic Systems with a Plane “Rigid Motion” Author(s): S. Vlase, C. Danasel, <u>M.L. Scutaru</u> , M. Mihalcică Romanian Journal of Physics Volume: 59 Issue: 5-6 Pages: 476-487 Published: 2014 <a href="http://www.nipne.ro/rjp/2014_59_5-6/0476_0487.pdf">http://www.nipne.ro/rjp/2014_59_5-6/0476_0487.pdf</a>	0,745	0,845	0,845	<b>1,690</b>
2.1.	Citing Article without self-citations (fromWeb of Science) EIGENVALUES AND EIGENMODES OF AN INCLINED HOMOGENEOUS TRUSS IN A ROTATIONAL FIELD Author(s): S.Vlase Romanian Journal of Physics Volume: 59 Issue: 7-8 Pages: 699 -714 Published: 2014,	0,745	0,845		
3.	Investigation of the Mechanical Properties of Hybrid Carbon-Hemp Laminated Composites Used as Thermal Insulation for Different Industrial Applications Author(s): <u>M.L.Scutaru</u> , M.Baba Advances in Mechanical Engineering, Article Number: 829426 Published: 2014, FI=1,089 <a href="http://www.hindawi.com/journals/ame/2014/829426">http://www.hindawi.com/journals/ame/2014/829426</a>	1,089	1,189	-	<b>1,189</b>

4.	Irradiation influence on a new hybrid hemp bio-composit Author(s): <u>M. L. Scutaru</u> , M. Baba, M.I. Baritz Journal of Optoelectronics and Advanced Materials Volume: 16 Issue: 7-8 Pages: 887- 891 Published: July-August 2014, <a href="http://joam.inoe.ro/index.php?option=magazine&amp;op=view&amp;idu=3524&amp;catid=85">http://joam.inoe.ro/index.php?option=magazine&amp;op=view&amp;idu=3524&amp;catid=85</a>	0,563	0,663	-	<b>0,663</b>
5.	Toward the use of irradiation for the composite materials properties improvement Author(s): <u>M. L. Scutaru</u> Journal of Optoelectronics and Advanced Materials Volume:16 Issue:9-10 Pages: 1165-1169 Published: September-Octomber 2014, <a href="http://joam.inoe.ro/index.php?option=magazine&amp;op=view&amp;idu=3568&amp;catid=86">http://joam.inoe.ro/index.php?option=magazine&amp;op=view&amp;idu=3568&amp;catid=86</a>	0,563	0,663	-	<b>0,663</b>
6.	Radiation influence on micro-structural mechanics of an advanced hemp carbon hybrid composite Author(s): <u>M. L. Scutaru</u> , M. Baritz, B. P. Galfi Optoelectronics and Advanced Materials Volume: 8 Issue: 11-12 Pages: 1145 1149 Published: Nov. Dec. 2014 <a href="http://oam-rc.inoe.ro/index.php?option=magazine&amp;op=view&amp;idu=2449&amp;catid=87">http://oam-rc.inoe.ro/index.php?option=magazine&amp;op=view&amp;idu=2449&amp;catid=87</a>	0,449	0,549	-	<b>0,549</b>
7.	ELASTO-DYNAMICS OF A SOLID WITH A GENERAL “RIGID” MOTION USING FEM MODEL. Part II. Analysis of a Double Cardan Joint Author(s):S.VLASE, P.P. TEODORESCU,C. ITU, <u>M.L. SCUTARU</u> Romanian Journal of Physics Volume: 58 Issue: 7-8 Pages: 882-892 Published: 2013, <a href="http://www.nipne.ro/rjp/2013_58_7-8/0882_0892.pdf">http://www.nipne.ro/rjp/2013_58_7-8/0882_0892.pdf</a>	0,745	0,845		
Citing Article without self-citations (fromWeb of Science)					
7.1.	EIGENVALUES AND EIGENMODES OF AN INCLINED HOMOGENEOUS TRUSS IN A ROTATIONAL FIELD Author(s): S.Vlase Romanian Journal of Physics Volume: 59 Issue: 7-8 Pages: 699 -714 Published: 2014, FI=,745	0,745	0,845	0,845	<b>1,690</b>
8.	A new epoxy glass roving fabric material with a nonwoven PES fibers structure used in a composite laminates Author(s): Niculita, C ; Gabor, A ; Gheorghe, V Calin, MR ; <u>Scutaru, ML</u> Journal of Optoelectronics and Advanced Materials Volume: 15 Issue: 3-4 Pages: 176-181 Published: MAR-APR 2013 <a href="http://joam.inoe.ro/index.php?option=magazine&amp;op=view&amp;idu=3173&amp;catid=76">http://joam.inoe.ro/index.php?option=magazine&amp;op=view&amp;idu=3173&amp;catid=76</a>	0,563	0,663	-	<b>0,663</b>
9.	New Advanced Sandwich Composite with twill weave carbon and EPS Author(s): Teodorescu-Draghicescu, H.; <u>Scutaru, M. L.</u> ; Rosu, D.; et al. Journal of Optoelectronics and Advanced Materials Volume: 15 Issue: 3-4 Pages: 199 203 Published: MAR-APR 2013 <a href="http://joam.inoe.ro/index.php?option=magazine&amp;op=view&amp;idu=3177&amp;catid=76">http://joam.inoe.ro/index.php?option=magazine&amp;op=view&amp;idu=3177&amp;catid=76</a>	0,563	0,663		<b>1,326</b>
Citing Article without self-citations (fromWeb of Science)					

	9.1.	Advanced T700/XB3585 UD carbon fibers-reinforced Composite Author(s): T. Heitz, H. Teodorescu-Draghicescu, S. Lache, A. Chiru, S. Vlase, M. R. Calin Journal of Optoelectronics and Advanced Materials, Vol. 16, No. 5-6, May – June 2014, p. 568 – 573, <a href="http://joam.inoe.ro/">http://joam.inoe.ro/</a>	0,563	0,663	0,663	
	10.	<b>Advanced Polylite composite laminate material behavior to tensile stress on weft direction</b> <b>Author(s): Vlase, S ; Teodorescu-Draghicescu, H ; Calin, MR ; Scutaru, ML</b> Journal of Optoelectronics and Advanced Materials Volume: 14 Issue: 7-8 Pages: 658-663 Published: JUL-AUG 2012, <a href="http://joam.inoe.ro/index.php?option=magazine&amp;op=view&amp;idu=3073&amp;catid=72">http://joam.inoe.ro/index.php?option=magazine&amp;op=view&amp;idu=3073&amp;catid=72</a>	0,516	0,616	-	
	Citing Article without self-citations (fromWeb of Science)					
	10.1	Advanced T700/XB3585 UD carbon fibers-reinforced Composite Author(s): T. Heitz, H. Teodorescu-Draghicescu, S. Lache, A. Chiru, S. Vlase, M. R. Calin Journal of Optoelectronics and Advanced Materials, Vol. 16, No. 5-6, May – June 2014, p. 568 – 573	0,563	0,636		3.468
	10.2	Properties of advanced new materials used in automotive engineering. Autor(s): Arina Modrea, Sorin VLASE, Horatiu TEODORESCU-DRAGHICESCU, Marian Romeo CĂLIN, Christian ASTALOS OPTOELECTRONICS AND ADVANCED MATERIALS – RAPID COMMUNICATIONS Vol. 7, No. 5-6, May – June 2013, p. 452 – 455,	0,449	0,549	2,852	
	10.3	The influence of dimensional and structural shifts of the elastic constant values in cylinder fiber composites. Autor(s): Arina MODREA, Sorin VLASE, Marian Romeo CĂLIN, Andreea PETERLICEAN JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS Vol. 15, No.3 – 4, March – April 2013, p. 278 – 283,	0,563	0,663		
	10.4	Behavior of a new Heliopol/Stratimat300 composite laminate. Autor(s) :S. Vlase, R. Purcarea, H. Teodorescu-Draghicescu, M. R. Calin, I.Szava, M. Mihalcica Optoelectronics and Advanced Materials Volume: 6 Issue: 1-2 Pages: 214-217 Published: Jan-Feb 2012,	0,402	0,502		
	11.	<b>Mechanical behavior of CSM450 and RT800 laminates subjected to four-point bend tests</b> <b>Author(s): Stanciu, A.; Teodorescu-Draghicescu, H.; Vlase, S; Scutaru M.L.; Calin MR</b> Optoelectronics and Advanced Materials Volume: 6 Issue: 1-2 Pages: 214-217 Published: Jan-Feb 2012,	0,402	0,502		

	<a href="http://oam rc.inoe.ro/index.php?option=magazine&amp;op=view&amp;idu=1862&amp;catid=71">http://oam rc.inoe.ro/index.php?option=magazine&amp;op=view&amp;idu=1862&amp;catid=71</a>				
	Citing Article without self-citations (fromWeb of Science)				
11.1	Advanced T700/XB3585 UD carbon fibers-reinforced Composite Author(s): T. Heitz, H. Teodorescu-Draghicescu, S. Lache, A. Chiru, S. Vlase, M. R. Calin Journal of Optoelectronics and Advanced Materials, Vol. 16, No. 5-6, May – June 2014, p. 568 – 573,	0,563	0,663	1,212	<b>1,714</b>
11.2	Behavior of a new Heliopol/Stratimat300 composite laminate. Autor(s) :S. VLASE, R. PURCAREA, H. TEODORESCU-DRAGHICESCU, M. R. CALIN, I.SZAVA, M. MIHĂLCICĂ, Optoelectronics and Advanced Materials, Vol.7, No.7-8, July – August 2013, p. 569 – 572	0,449	0,549		
12.	<b>Some Properties of Motion Equations Describing the Nonlinear Dynamical Response of a Multibody System with Flexible Elements</b> Author(s): <u>Scutaru, Maria Luminita</u> ; Vlase, Sorin Journal of Applied Mathematics Article Number: 628503 DOI: 10.1155/2012/628503 Published: 2012 <a href="http://www.hindawi.com/journals/jam/2012/628503/">http://www.hindawi.com/journals/jam/2012/628503/</a>	0,834	0,934	0,845	<b>1,779</b>
12.1	EIGENVALUES AND EIGENMODES OF AN INCLINED HOMOGENEOUS TRUSS IN A ROTATIONAL FIELD Author(s): S.Vlase Romanian Journal of Physics Volume: 59 Issue: 7-8 Pages: 699 -714 Published: 2014,	0,745	0,845		
13.	<b>Mechanical behavior of a thin nonwoven polyester mat subjected to three-point bend tests</b> Author(s): Purcarea, R.; Motoc, D. Luca; <u>Scutaru, M. L.</u> Optoelectronics and Advanced Materials Volume: 6 Issue: 1-2 Pages: 214-217 Published: JAN-FEB 2012 <a href="http://oam-rc.inoe.ro/index.php/index.php?option=magazine&amp;op=view&amp;idu=1804&amp;catid=70">http://oam-rc.inoe.ro/index.php/index.php?option=magazine&amp;op=view&amp;idu=1804&amp;catid=70</a>	0,449	0,549	0,549	<b>1,098</b>
13.1	Behavior of a new Heliopol/Stratimat300 composite laminate. Autor(s) :S. Vlase, R. Purcarea, H. Teodorescu-Draghicescu, M. R. Calin, I.Szava, M. Mihalcica Optoelectronics and Advanced Materials, Vol.7, No.7-8, July – August 2013, p. 569 – 572	0,449	0,549		
14.	<b>Finite element method analysis of some fibre-reinforced composite laminates</b>				

	<b>Author(s): Teodorescu-Draghicescu, H.; Stanciu, A.; Vlase, S.; Scutaru L; Calin M.R; Serbina L.</b> <b>OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS</b> Volume: 5 Issue: 7 Pages: 782-785 Published: JUL 2011, <a href="http://oam-re.inoe.ro/index.php/index.php?option=magazine&amp;op=view&amp;idu=1628&amp;catid=64">http://oam-re.inoe.ro/index.php/index.php?option=magazine&amp;op=view&amp;idu=1628&amp;catid=64</a>	0,304	0,404		
	Citing Article without self-citations (fromWeb of Science)				
14.1	Advanced T700/XB3585 UD carbon fibers-reinforced Composite Author(s): T. Heitz, H. Teodorescu-Draghicescu, S. Lache, A. Chiru, S. Vlase, M. R. Calin Journal of Optoelectronics and Advanced Materials, Vol. 16, No. 5-6, May – June 2014, p. 568 – 573,	0,563	0,663		
14.2	Behavior of a new Heliopol/Stratimat300 composite laminate. Autor(s) :S. Vlase, R. Purcarea, H. Teodorescu-Draghicescu, M. R. Calin, I.Szava, M. Mihalcica Optoelectronics and Advanced Materials, Vol.7, No.7-8, July – August 2013, p. 569 – 572	0,449	0,549		
14.3	Properties of advanced new materials used in automotive engineering. Autor(s): Arina Modrea, Sorin VLASE, Horatiu TEODORESCU-DRAGHICESCU, Marian Romeo CĂLIN, Christian ASTALOS, OPTOELECTRONICS AND ADVANCED MATERIALS – RAPID COMMUNICATIONS Vol. 7, No. 5-6, May – June 2013, p. 452 – 455,	0,449	0,549		
14.4	Mechanical Behavior of Epoxy 1050_GBX300L-1250 Glass Fabric Laminates Subjected to Three-Point Bend Tests Autor(s): Camelia Niculita OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS Volume: 6 Issue: 3-4 / 2012 , pg. 487-490,	0,402	0,502		
14.5	Mechanical behavior of carbon fibre-reinforced epoxy/plain200 prepgs subjected to three-point bend tests Author(s): Niculita, C OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS Volume: 6 Issue: 3-4 / 2012 , pg. 504-507,	0,402	0,502		
14.6	The influence of dimensional and structural shifts of the elastic constant values in cylinder fiber composites. Autor(s): Arina MODREA, Sorin VLASE, Marian Romeo CĂLIN, Andreea PETERLICEAN JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS Vol. 15, No.3 – 4, March – April 2013, p. 278 – 283, FI=0,563	0,563	0,663		

3,832

3,428

15.	<p><b>Hysteresis effect in a three-phase polymer matrix composite subjected to static cyclic loadings</b>  <b>Author(s) : Teodorescu-Draghicescu, H. ; Vlase, S. ; Scutaru, L, et al.</b>  <b>OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS</b> Volume: 5 Issue: 3-4 Pages: 273-277 Published: MAR 2011,  <a href="http://oam-rc.inoe.ro/index.php?option=magazine&amp;op=view&amp;idu=1495&amp;catid=60">http://oam-rc.inoe.ro/index.php?option=magazine&amp;op=view&amp;idu=1495&amp;catid=60</a></p>	0,304	0,404	
	Citing Article without self-citations (from Web of Science)			
15.1	<p>Advanced T700/XB3585 UD carbon fibers-reinforced Composite  Author(s): T. Heitz, H. Teodorescu-Draghicescu, S. Lache, A. Chiru, S. Vlase, M. R. Calin  Journal of Optoelectronics and Advanced Materials, Vol. 16, No. 5-6, May – June 2014, p. 568 – 573</p>	0,563	0,663	
15.2	<p>Behavior of a new Heliopol/Stratimat300 composite laminate.  Autor(s) :S. Vlase, R. Purcarea, H. Teodorescu-Draghicescu, M. R. Calin, I.Szava, M. Mihalcica  Optoelectronics and Advanced Materials, Vol.7, No.7-8, July – August 2013, p. 569 – 572</p>	0,449	0,549	
15.3	<p>Mechanical Behavior of Epoxy 1050_GBX300L-1250 Glass Fabric Laminates Subjected to Three-Point Bend Tests  Autor(s): Camelia Niculita  OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS Volume: 6 Issue: 3-4 / 2012 , pg. 487-490</p>	0,402	0,502	
15.4	<p>Mechanical behavior of carbon fibre-reinforced epoxy/plain200 prepgs subjected to three-point bend tests  Author(s): Niculita, C  OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS Volume: 6 Issue: 3-4 / 2012 , pg. 504-507</p>	0,402	0,502	
15.5	<p>Properties of advanced new materials used in automotive engineering.  Autor(s): Arina Modrea, Sorin VLASE, Horatiu TEODORESCU-DRAGHICESCU, Marian Romeo CĂLIN, Christian ASTALOS, OPTOELECTRONICS AND ADVANCED MATERIALS – RAPID COMMUNICATIONS Vol. 7, No. 5-6, May – June 2013, p. 452 – 455</p>	0,449	0,549	
15.6	<p>The influence of dimensional and structural shifts of the elastic constant values in cylinder fiber composites.  Autor(s): Arina MODREA, Sorin VLASE, Marian Romeo CĂLIN, Andreea PETERLICEAN</p>	0,563	0,663	
		3,428	3,832	

		JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS Vol. 15, No.3 – 4, March – April 2013, p. 278 – 283				
16.		<b>Behavior of multiphase fiber-reinforced polymers under short time cyclic loading</b> <b>Author(s): Vlase, S.; Teodorescu-Draghicescu, H.; Motoc, D. L.; Scutaru M.L; Serbina L; Calin M.R.</b> <b>OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS</b> Volume: 5 Issue: 3-4 Pages: 419-423 Published: MAR 2011, <a href="http://oam-re.ineo.ro/index.php/index.php?option=magazine&amp;op=view&amp;idu=1527&amp;catid=61">http://oam-re.ineo.ro/index.php/index.php?option=magazine&amp;op=view&amp;idu=1527&amp;catid=61</a>	0,304	0,404		
		Citing Article without self-citations (from Web of Science)				
	16.1	Advanced T700/XB3585 UD carbon fibers-reinforced Composite Author(s): T. Heitz, H. Teodorescu-Draghicescu, S. Lache, A. Chiru, S. Vlase, M. R. Calin Journal of Optoelectronics and Advanced Materials, Vol. 16, No. 5-6, May – June 2014, p. 568 – 573,	0,563	0,663		
	16.2	Behavior of a new Heliopol/Stratimat300 composite laminate. Autor(s) :S. Vlase, R. Purcarea, H. Teodorescu-Draghicescu, M. R. Calin, I.Szava, M. Mihailescu Optoelectronics and Advanced Materials, Vol.7, No.7-8, July – August 2013, p. 569 – 572	0,449	0,549		
	16.3	Properties of advanced new materials used in automotive engineering. Autor(s): Arina Modrea, Sorin VLASE, Horatiu TEODORESCU-DRAGHICESCU, Marian Romeo CĂLIN, Christian ASTALOS, OPTOELECTRONICS AND ADVANCED MATERIALS – RAPID COMMUNICATIONS Vol. 7, No. 5-6, May – June 2013, p. 452 – 455	0,449	0,549	3,428	3,832
	16.4	The influence of dimensional and structural shifts of the elastic constant values in cylinder fiber composites. Autor(s): Arina MODREA, Sorin VLASE, Marian Romeo CĂLIN, Andreea PETERLICEAN JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS Vol. 15, No.3 – 4, March – April 2013, p. 278 – 283	0,563	0,663		
	16.5	Mechanical Behavior of Epoxy 1050_GBX300L-1250 Glass Fabric Laminates Subjected to Three-Point Bend Tests Autor(s): Camelia Niculita OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS Volume: 6 Issue: 3-4 / 2012 , pg. 487-490	0,402	0,502		

	16.6 Mechanical behavior of carbon fibre-reinforced epoxy/plain200 prepgs subjected to three-point bend tests Author(s): Niculita, C OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS Volume: 6 Issue: 3-4 / 2012 , pg. 504-507	0,402	0,502		
<b>TOTAL PUNCTE CRITERIUL CDI-ART</b>					<b>28,642</b>

**Criteriul CDI-MON 2 – Monografii de specialitate sau capitole în monografii de specialitate (1 punct = 50 pagini)**

Nr. crt.	Referință bibliografică	Nr. pagini	Puncte	TOTAL
1.	<b>Maria- Luminița Scutaru</b> “Transferul termic prin panouri tip sandwich utilizate în construcția caselor” , Editura Universității Transilvania Brasov, 2007, ISBN <b>978-973-635-877-7</b>	192 pag	3,840	<b>14.520</b>
2.	<b>Maria Luminita Scutaru</b> , A.Chiru, S.Vlase, C.Cofaru, H.Teodorescu “Materiale plastice și compozite în ingineria autovehiculelor” , Editura Matrix Rom, București, 2013, ISBN <b>978-606-25-0023-8</b>	333 pag.	6,660	
3.	<b>Maria Luminita Scutaru</b> “Analiza dinamică a transmisiilor folosite la turbinele eoliene de mica putere”, 2015, ISBN	201 PAG	4 .020	

**TOTAL PUNCTE CRITERIUL CDI = 43,162 puncte**

**Criteriul DID - Activitate didactică și profesională**

**Criteriul DID – MSC – Manuale – suport curs, format tiparit sau format electronic (1 punct = 50 pagini)**

<i>Nr. crt.</i>	<i>Referință bibliografică</i>	<i>Nr. pagini</i>	<i>Puncte</i>	<i>TOTAL</i>
1.	<b>Maria-Luminita Scutaru</b> – “ <i>Mecanica Statica</i> ”, Editura Universității Transilvania Brașov,2008, <b>ISBN 978-973-598-245-4</b>	194 pag.	<b>3,88</b>	<b>22,92</b>
2.	<b>M.L.Scutaru</b> , H.D. Teodorescu, S.Vlase – “ <i>MECANICA TEHNICA</i> ”, Editura Informarket, Brasov, 2009, <b>ISBN 978-973-1747-15-6</b>	497 pag.	<b>9,94</b>	
3.	<b>Maria Luminita Scutaru</b> – “ <i>Mecanica – Cinematica. Teorie și aplicații</i> ”, Editura Universității Transilvania Brașov,2013, <b>ISBN 978-606-19-0269-9</b>	152 pag.	<b>3,04</b>	
4.	<b>Maria Luminita Scutaru</b> – “ <i>Mecanica –Dinamica.Teorie și aplicații</i> ”, Editura Universității Transilvania Brașov,2014 <b>ISBN 978-606-19-0443-3</b>	303 pag.	<b>6,06</b>	

**TOTAL PUNCTE CRITERIUL DID = 22,92 puncte**

#### **Criteriul RIA – Recunoaștere și impactul activității**

*Contribuție principală (minim 60%) în calitate de director grant/proiect*

#### **Criteriul RIA –CTR**

*Director contract cu beneficiar din mediul economic național (1 punct = 10000 RON)*

<i>Nr. crt.</i>	<i>Denumirea</i>	<i>Perioada de derulare</i>	<i>Valoare (lei)</i>	<i>Puncte</i>
<b>CONTARCT CU TERTI</b>				
1.	Contract 3810 AK, Stabilirea la nivel national a zonelor liniștite din aglomerari-lot7	16.10.2007- 30.04.2008	89.131	<b>8,913</b>

*Proiecte câștigate prin competiție națională în calitate de membru în echipă (RIA-CTR) (0,25 puncte = 10.000 RON –Terti; 0,25 puncte = 50.000 RON- Granturi):*

<i>Nr. crt.</i>	<i>Denumirea</i>	<i>Perioada de derulare</i>	<i>Valoare (lei)</i>	<i>Puncte</i>
<b>GRANTURI</b>				
1.	CEEX 42/2005 –Modulul I- Modelarea și simularea comportării la solicitări mecanice, prin metoda elementelor finite, a materialelor compozite în scopul identificării proprietăților elastice/ vascoelastice ale acestora	2005-2008	330.000	1,650
2.	Contract 12555 –CEEX Modulul III – Promovarea cercetării interdisciplinare de excelenta in domeniul sistemelor multicorp si racordarea la programul FP7	2006-2008	40.000	0,200
3.	Contract 35/2006, CEEX Modulul III Rezultate moderne si tendinte in mecanica materialelor compozite polimerice armate cu fibre	2006-2007	70.000	0,350
4	CEEX 23/2006 – CERCETĂRI AVANSATE IN MECANICA COMPUTATIONALA SI INGINERIA VIRTUALA	2006-2007	100.000	0,500
5.	CEEX Modulul I – Contract 61/ 2006 Analiza virtuală nelineară și experimentală și controlul optimal al sistemelor mecanice multicorp cu elemente elastice, cu aplicație în construcția de mașini și robotică	2006-2008	620.000	3,100
6.	Contract CEEX, Modulul I, SICOMSUV, 129/4/2006-CEEX nr 129/2006 – Sistem computerizat de monitorizare a poluarii prin sunete si vibratii in aglomerarile urbane – acronim SICOMSUV	2006-2008	100.000	0,500
7.	CEEX nr. 195/10.08.2006 – LABORATOR DE CERCETARE – TESTARE A CALITĂȚII MOBILIERULUI ȘI CERTIFICARE A CONFORMITĂȚII PRODUSELOR DIN LEMN, ALINIAT LA NORMELE EUROPENE	2007-2008	795.000	3,975
8.	CEEX 930/2007, CNCSIS, ADEL – ANALIZA VIRTUALA A	2007-2008	186.000	0.930

	SISTEMELOR MULTICORP CU APLICATIE LA PROIECTAREA AUTOVEHICULELOR (REPREZENTARI SIMBOLICE SI SIMULARE NUMERICA)			
<b>Total puncte contarcte tip grant</b>				<b>11, 205</b>
<b>CONTARCTE CU TERTI</b>				
1.	4167AK/2007 – Identificarea si utilizarea unui software avansat pentru modelare(cu modul chimic), inclusiv pentru poluantii secundari (ozon, compusi organici volatili, etc.)	16.10.2007-30.04.2008	199.000	4,975
2.	4165AK/2007 - Stabilirea unui program de prognozare a calitatii aerului pentru 1zi/2zile/3zile la scara locala- studio pilot – pentru aglomerarile Craiova, Cluj si Iasi	16.10.2007-30.04.2008	199.000	4,975
3.	4166AK/2007 – Studii privind influenta schimbarilor climatice asupra regimurilor hidrologice si hidroenergetice, asupra biodiversitatii si asupra comportamentului uman	16.10.2007-30.04.2008	81.500	2,037
<b>Total puncte contarcte tertii</b>				<b>11,987</b>
<b>TOTAL PUNCTE CRITERIUL RIA:</b>				<b>32,105</b>

**TOTAL PUNCTE CRITERIUL RIA = 32,105 puncte**

Data : 04.05.2015

conf.dr.ing. SCUTARU Maria Luminița