



UNIVERSITATEA TRANSILVANIA DIN BRAŞOV
FACULTATEA DE INGINERIE MECANICĂ
DEPARTAMENTUL DE INGINERIE MECANICA



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FIŞA PENTRU VERIFICAREA STANDARDELOR MINIMALE
pentru domeniul ştiinţific "Inginerie mecanică, mecatronică şi robotică"

Conf.dr. abil ing. Maria Luminiţa SCUTARU

Fişa de îndeplinire a Standardelor minime necesare şi obligatorii pentru conferirea titlului de profesor universitar (Anexa nr. 17 din MONITORUL OFICIAL AL ROMÂNIEI, PARTEA I, Nr. 890 bis/27.XII.2012, COMISIA INGINERIE MECANICĂ, MECATRONICĂ ŞI ROBOTICĂ).

Categoria: Profesor Universitar			
1.	Activitate de cercetare științifică, dezvoltare tehnologică și inovare (CDI)	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>)	55,429 puncte din care 32,709 puncte <i>din criteriul CDI-ART</i>
2.	Activitate didactică și profesională (DID)	Minim 10 puncte , din care minim 6 puncte din DID-MS (<i>Manuale suport curs, format tipărit sau format electronic</i>)	26,320 puncte <i>din criteriul DID-MS</i>
3.	Recunoaștere și impactul activității (RIA)	Minim 10 puncte <i>Contribuție principală (minim 60%) în calitate de director grant/proiect</i>	32,105 puncte din care 8,913 puncte <i>contribuție principală în calitate de director proiect</i>
	TOTAL	30 puncte	113, 854 puncte

1. 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 1 articol = $FI^*_{articol} + \sum FI^*_{citare}$; $FI^* = 0.1 + \text{Factor de impact}$

Nr. crt.	Referința bibliografică	FI articol	FI* articol	$\sum FI^*_{citare}$	Puncte articol
1.	Dynamical Analysis of the Mechanical System with Two Degree of Freedom Applied to the Transmission of the Wind Turbine Author(s): M.L.Scutaru , B.Mitrica Mathematical Problems in Engineering, Article Number: 3821083 Published: 2016, FI=0,762 (la data publicarii articolului) http://www.hindawi.com/journals/mpe/2016/3821083/	0,762	0,862		0,862
2.	Advanced HDPE with increased stiffness used for water supply networks Author(s): M.L.Scutaru , H.Teodorescu, S.Vlase, M.Marin Journal of Optoelectronics and Advanced Materials Volume: 17 Issue: 3-4 Pages: 484-488 Published: March-April 2015, http://joam.inoe.ro/index.php?option=magazine&op=view&idu=3690&catid=89	0,429	0,529	-	0,529
3.	Finite Element Analysis of a Two-Dimensional Linear Elastic Systems with a Plane "Rigid Motion" Author(s): S. Vlase, C. Danasel, M.L. Scutaru , M. Mihalciță Romanian Journal of Physics Volume: 59 Issue: 5-6 Pages: 476-487 Published: 2014, http://www.nipne.ro/rjp/2014_59_5-6/0476_0487.pdf	0,924	1,024		2,048
3.1.	Eigenvalues and Eingmodes of an Inclined Homogeneous Truss in a Rotational Fields Author(s): S.Vlase Romanian Journal of Physics Volume: 59 Issue: 7-8 Pages: 699 - 714 Published: 2014,	0,924	1,024	2,048	
4.	Investigation of the Mechanical Properties of Hybrid Carbon-Hemp Laminated Composites Used as Thermal Insulation for Different Industrial Applications Author(s): M.L.Scutaru , M.Baba Advances in Mechanical Engineering, Article Number: 829426 Published: 2014, FI=0,575 http://www.hindawi.com/journals/ame/2014/829426	0,575	0,675	-	0,675
5.	Irradiation influence on a new hybrid hemp bio-composit Author(s): M. L. Scutaru , M. Baba, M.I. Baritz Journal of Optoelectronics and Advanced Materials Volume: 16 Issue: 7-8 Pages: 887- 891 Published: July-August 2014, http://joam.inoe.ro/index.php?option=magazine&op=view&idu=3524&catid=85	0,429	0,529		1,023

Citing Article without self-citations (fromWeb of Science)						
5.1.	Effect of substrate choosing process on the structures and radiation-proof properties of Al films Author(s): Xin Ji , Lin Jun Wang, Yi Ming Mi, Chao Min Zhang Optoelectronics and Advanced Materials , Volume: 9 Issue: 5-6 Pages: 688-691 Published: mai-iunie, 2015	0,394	0,494	0,494		
6.	Toward the use of irradiation for the composite materials properties improvement Author(s):): M. L. Scutaru Journal of Optoelectronics and Advanced Materials Volume:16 Issue:9-10 Pages: 1165-1169 Published: September-October 2014, http://joam.inoe.ro/index.php?option=magazine&op=view&idu=3568&catid=86	0,429	0,529	-	0,529	
7.	Radiation influence on micro-structural mechanics of an advanced hemp carbon hybrid composite Author(s): M. L. Scutaru , M. Baritz, B. P. Galfi Optoelectronics and Advanced Materials Volume: 8 Issue: 11-12 Pages: 1145 1149 Published: Nov. – Dec. 2014 http://oam-rc.inoe.ro/index.php?option=magazine&op=view&idu=2449&catid=87	0,394	0,494	-	0,494	
8.	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, M.L. Scutaru Romanian Journal of Physics Volume: 58 Issue: 7-8 Pages: 882-892 Published: 2013, http://www.nipne.ro/rjp/2013_58_7-8/0882_0892.pdf	0,745	0,845	1,024	1,869	
Citing Article without self-citations (fromWeb of Science)						
8.1.	Eigenvalues and Eingmodes of an Inclined Homogeneous Truss in a Rotational Fields Author(s): S.Vlase Romanian Journal of Physics Volume: 59 Issue: 7-8 Pages: 699 - 714 Published: 2014,	0,924	1,024			
9.	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 ; Scutaru, ML Journal of Optoelectronics and Advanced Materials Volume: 15 Issue: 3-4 Pages: 176-181 Published: MAR-APR 2013 http://joam.inoe.ro/index.php?option=magazine&op=view&idu=3173&catid=76	0,563	0,663	-	0,663	
10.	New Advanced Sandwich Composite with twill weave carbon and EPS Author(s): Teodorescu-Draghicescu, H.; Scutaru, M. L. ; Rosu, D.; et al. Journal of Optoelectronics and Advanced Materials Volume: 15 Issue: 3-4 Pages: 199 203 Published: MAR-APR 2013 http://joam.inoe.ro/index.php?option=magazine&op=view&idu=3177&catid=76	0,563	0,663			

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, http://joam.inoe.ro/	0,429	0,529		0,629	1,292
10.2	Matrix Strain Increase Factors in Unidirectional Fibers-Reinforced Laminae, Autor(s): Teodorescu Draghicescu Horatiu, Vlase Sorin, Munteanu Renata, Applied Mechanics and Materials, ISSN 1662-7482, VOL. 760, PP 275-280, 2015, Trans Tech Publications, Switzerland	0	0,1			
11.	Advanced Polylyte composite laminate material behavior to tensile stress on weft direction Author(s): Vlase, S ; Teodorescu-Draghicescu, H ; Calin, MR ; Scutaru, ML Journal of Optoelectronics and Advanced Materials Volume: 14 Issue: 7-8 Pages: 658-663 Published: JUL-AUG 2012, http://joam.inoe.ro/index.php?option=magazine&op=view&idu=3073&catid=72	0,516	0,616	-		
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	0,429	0,529		4,045	4,661
11.2	Properties of advanced new materials used in automotive engineering. Autor(s): Arina Modrea, Sorin Vlase, Horatiu Teodorescu-Draghicescu, Marian Romeo Calin, Christian Astalos, Optoelectronics and Advanced Materials Rapid Communications Vol. 7, No. 5-6, May - June 2013, p. 452 – 455	0,449	0,549			
11.3	The influence of dimensional and structural shifts of the elastic constant values in cylinder fiber composites. Autor(s): Arina Modrea, Sorin Vlase, Marian Romeo Calin, Andreea Peterlicean Journal of Optoelectronics and Advanced Materials, Vol. 15, No.3 - 4, March – April 2013, p. 278 – 283,	0,563	0,663			
11.4	Behavior of a new Heliopol/Stratimat300 composite laminate. Autor(s) :S. Vlase, R. Purcarea, H. Teodorescu-Draghicescu, M. R. Calin, I.Szava, M. Mihalca Optoelectronics and Advanced Materials Volume: 6 Issue: 1-2 Pages: 214-217 Published: Jan-Feb 2012,	0,402	0,502			
11.5	Evaluation of the clean softwood components longitudinal youngs moduli by means of overwall measurements Autor(s): Szava Ioan, Vlase Sorin, Galfi Pal Botond, Munteanu Renata Ildiko, Ionescu Dora Raluca, Wood Research, Vol.60, Nr.4, 2015, pg. 555-566, 2015, FI=0,364	0,364	0,464			
11.6	RT500/RT800 Sandwich Composite Laminate with COREMAT Subjected to Bending Tests, Autor(s): Arina Modrea, Florin Teodorescu, Dorin Rosu 8TH International Conference nterdisciplinarity in Engineering, INTER-ENG 2014 Book Series:ProcediaTechnology Volume: 19 Pages: 284-	0	0,1			

	290 Published: 2015 (Sursa: ISI Web of Science)				
11.7	On CesaroMeans of Energy in Micropolar thermoelastic diffusion Theory, Autor(s): Marin M, Mahmoud SR, Journal of Mechanics and Materials and Structures , Volume: 10, Pages: 497-518, Published: JUL 2015 FI=1,038 (Sursa:ISI Web of Science)	1,038	1,138		
11.8	Matrix Strain Increase Factors in Unidirectional Fibers-Reinforced Laminae, Autor(s): Teodorescu Draghicescu Horatiu, Vlase Sorin, Munteanu Renata, Applied Mechanics and Materials, ISSN 1662-7482, VOL. 760, PP 275-280, 2015, Trans Tech Publications, Switzerland	0	0,1		
12.	Mechanical behavior of CSM450 and RT800 laminates subjected to four-point bend tests Author(s): Stanciu, A.; Teodorescu-Draghicescu, H.; Vlase, S; Scutaru M.L. ; Calin MR Optoelectronics and Advanced Materials Volume: 6 Issue: 1-2 Pages: 214-217 Published: Jan-Feb 2012, http://oam-rc.inoe.ro/index.php?option=magazine&op=view&idu=1862&catid=71	0,402	0,502		
Citing Article without self-citations (fromWeb of Science)					
12.1	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,	0,429	0,529		
12.2	Behavior of a new Heliopol/Stratimat300 composite laminate. Autor(s) :S. Vlase, R. Purcarea, H. Teodorescu-Draghicescu, M. R. Calin, I.Szava, M. Mihalceica, Optoelectronics and Advanced Materials, Vol.7, No.7-8, July - August 2013, p. 569 – 572	0,449	0,549		
12.3	RT500/RT800 Sandwich Composite Laminate with COREMAT Subjected to Bending Tests, Autor(s): Arina Modrea, Florin Teodorescu, Dorin Rosu 8 th International Conference Interdisciplinarity in Engineering, INTER-ENG 2014 Book Series:ProcediaTechnology Volume: 19 Pages: 284-290 Published: 2015 (Sursa: ISI Web of Science)	0	0,1		1,880
12.4	Glass Fabric-reinforced Polyte 440-M888 Composite Laminated Subjected to Tensile Load on warp direction Autor(s): Ioan Szava, Arina Modrea, Botond Galfi, Renata Munteanu 8 th International Conference Interdisciplinarity in Engineering, INTER-ENG 2014 Book Series:ProcediaTechnology Volume: 19 Pages: 254-259 Published: 2015 (Sursa: ISI Web of Science)	0	0,1	1,378	
12.5	Matrix Strain Increase Factors in Unidirectional Fibers-Reinforced Laminae, Autor(s): Teodorescu Draghicescu Horatiu, Vlase Sorin, Munteanu Renata, Applied Mechanics and Materials, ISSN 1662-7482, Vol. 760, PP 275-280, 2015, Trans Tech Publications, Switzerland	0	0,1		

13.	Some Properties of Motion Equations Describing the Nonlinear Dynamical Response of a Multibody System with Flexible Elements Author(s): Scutaru, Maria Luminita ; Vlase, Sorin Journal of Applied Mathematics , Article Number: 628503 DOI: 10.1155/2012/628503 Published: 2012 http://www.hindawi.com/journals/jam/2012/628503/	0,834	0,934			1,958
Citing Article without self-citations (fromWeb of Science)						
13.1	Eigenvalues and Eingmodes of an Inclined Homogeneous Truss in a Rotational Fields Author(s): S.Vlase Romanian Journal of Physics Volume: 59 Issue: 7-8 Pages: 699 - 714 Published: 2014,	0,924	1,024		1,024	
14.	Mechanical behavior of a thin nonwoven polyester mat subjected to three-point bend tests Author(s): Purcarea, R.; Motoc, D. Luca; Scutaru, M. L. Optoelectronics and Advanced Materials Volume: 6 Issue: 1-2 Pages: 214-217 Published: JAN-FEB 2012 http://oam-rc.inoe.ro/index.php/index.php?option=magazine&op=view&idu=1804&catid=70	0,402	0,502			1,104
Citing Article without self-citations (fromWeb of Science)						
14.1	Behavior of a new Heliopol/Stratimat300 composite laminate. Autor(s) :S. Vlase, R. Purcarea, H. Teodorescu-Draghicescu, M. R. Calin, I.Szava, M. Mihalca Optoelectronics and Advanced Materials, Vol.7, No.7-8, July - August 2013, p. 569 – 572	0,402	0,502			
14.2	Glass Fabric-reinforced Polyte 440-M888 Composite Laminated Subjected to Tensile Load on warp direction Autor(s): Ioan Szava, Arina Modrea, Botond Galfi, Renata Munteanu 8TH International Conference Interdisciplinarity in Engineering INTER-ENG 2014 Book Series:ProcediaTechnology Volume: 19 Pages: 254-259 Published: 2015 (Sursa: ISI Web of Science)	0	0,1		0,602	
15.	Finite element method analysis of some fibre-reinforced composite laminates Author(s): Teodorescu-Draghicescu, H.; Stanciu, A.; Vlase, S.; Scutaru L ; Calin M.R; Serbina L.. Optoelectronics and Advanced Materials Volume: 5 Issue: 7 Pages: 782-785 Published: JUL 2011, http://oam-rc.inoe.ro/index.php/index.php?option=magazine&op=view&idu=1628&catid=64	0,304	0,404			
Citing Article without self-citations (fromWeb of Science)						
15.1	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,	0,429	0,529			

15.2	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			
15.3	Properties of advanced new materials used in automotive engineering. Autor(s): Arina Modrea, Sorin Vlase, Horatiu Teodorescu-Draghicescu, Marian Romeo Calin, Christian Astalos, Optoelectronics and Advanced Materials, Vol. 7, No. 5-6, May - June 2013, p. 452 – 455,	0,449	0,549			
15.4	Mechanical Behavior of Epoxy 1050_GBX300L-1250 Glass Fabric Laminates Subjected to Three-Point Bend Tests Autor(s): Camelia Niculita Optoelectronics and Advanced Materials, Volume: 6 Issue: 3-4 / 2012 , pg. 487-490,	0,402	0,502	4,158		
15.5	Mechanical behavior of carbon fibre-reinforced epoxy/plain200 prepregs subjected to three-point bend tests Author(s): Niculita, C Optoelectronics and Advanced Materials Volume: 6 Issue: 3-4 / 2012 , pg. 504-507,	0,402	0,502			
15.6	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,	0,563	0,663			4,562

15.7	Evaluation of the clean softwood components longitudinal youngs moduli by means of overwall measurements Autor(s): Szava Ioan, Vlase Sorin, Galfi Pal Botond, Munteanu Renata Ildiko, Ionescu Dora Raluca, Wood Research, Vol.60, Nr.4, 2015, pg. 555-566, 2015, FI=0,364	0,364	0,464			
15.8	Mechanical behavior of carbon fibre-reinforced epoxy/plain200 prepregs subjected to three-point bend tests Autor(s): Arina Modrea, Florin Teodorescu, Dorin Rosu 8 th International Conference Interdisciplinarity in Engineering, INTER-ENG 2014 Book Series:ProcediaTechnology Volume: 19 Pages: 284-290 Published: 2015 (Sursa: ISI Web of Science)	0	0,1			
15.9	RT500/RT800 Sandwich Composite Laminate with COREMAT Subjected to Bending Tests, Autor(s): Arina Modrea, Florin Teodorescu, Dorin Rosu 8 th International Conference Interdisciplinarity in Engineering, INTER-ENG 2014 Book Series:ProcediaTechnology Volume: 19 Pages: 284-290 Published: 2015 (Sursa: ISI Web of Science)	0	0,1			
15.10	Glass Fabric-reinforced Polyte 440-M888 Composite Laminated Subjected to Tensile Load on warp direction Autor(s): Ioan Szava, Arina Modrea, Botond Galfi, Renata Munteanu 8 th International Conference Interdisciplinarity in Engineering, INTER-ENG 2014 Book Series:ProcediaTechnology Volume: 19 Pages: 254-259 Published: 2015 (Sursa: ISI Web of Science)	0	0,1			
15.11	Matrix Strain Increase Factors in Unidirectional Fibers-Reinforced Laminae, Autor(s): Teodorescu Draghicescu Horatiu, Vlase Sorin, Munteanu Renata, Applied Mechanics and Materials, ISSN 1662-7482, VOL. 760, PP 275-280, 2015, Trans Tech Publications, Switzerland	0	0,1			
16.	Hysteresis effect in a three-phase polymer matrix composite subjected to static cyclic loadings Author(s): Teodorescu-Draghicescu, H.; Vlase, S.; Scutaru, L. , et al. Optoelectronics and Advanced Materials , Volume: 5 Issue: 3-4 Pages: 273-277 Published: MAR 2011, http://oam-rc.inoe.ro/index.php/index.php?option=magazine&op=view&idu=1495&catid=60	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	0,429	0,529			

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. Mihalceica Optoelectronics and Advanced Materials, Vol.7, No.7-8, July - August 2013, p. 569 – 572	0,449	0,549	3,594	3,998
16.3	Mechanical Behavior of Epoxy 1050_GBX300L-1250 Glass Fabric Laminates Subjected to Three-Point Bend Tests Autor(s): Camelia Niculita Optoelectronics and Advanced Materials, Volume: 6 Issue: 3-4 / 2012 , pg. 487-490	0,402	0,502		
16.4	Mechanical behavior of carbon fibre-reinforced epoxy/plain200 prepregs subjected to three-point bend tests Author(s): Niculita, C Optoelectronics and Advanced Materials , Volume: 6 Issue: 3-4 / 2012 , pg. 504-507	0,402	0,502		
16.5	Properties of advanced new materials used in automotive engineering. Autor(s): Arina Modrea, Sorin Vlase, Horatiu Teodorescu-Draghicescu, Marian Romeo Calin, Christian Astalos, Optoelectronics and Advanced Materials, Vol. 7, No. 5-6, May - June 2013, p. 452 – 455	0,449	0,549		
16.6	The influence of dimensional and structural shifts of the elastic constant values in cylinder fiber composites. Autor(s): Arina Modrea, Sorin Vlase, Marian Romeo Calin, Andreea Peterlicean Journal of Optoelectronics and Advanced Materials ,Vol. 15, No.3 - 4, March – April 2013, p. 278 – 283	0,563	0,663		

16.7	Glass Fabric-reinforced Polyte 440-M888 Composite Laminated Subjected to Tensile Load on warp direction Autor(s): Ioan Szava, Arina Modrea, Botond Galfi, Renata Munteanu 8 th International Conference Interdisciplinarity in Engineering, INTER-ENG 2014 Book Series:ProcediaTechnology Volume: 19 Pages: 254-259 Published: 2015 (Sursa: ISI Web of Science)	0	0,1			
16.8	RT500/RT800 Sandwich Composite Laminate with COREMAT Subjected to Bending Tests, Autor(s): Arina Modrea, Florin Teodorescu, Dorin Rosu 8 th International Conference Interdisciplinarity in Engineering, INTER-ENG 2014 Book Series:ProcediaTechnology Volume: 19 Pages: 284-290 Published: 2015 (Sursa: ISI Web of Science)	0	0,1			
16.9	Matrix Strain Increase Factors in Unidirectional Fibers-Reinforced Laminae, Autor(s): Teodorescu Draghicescu Horatiu, Vlase Sorin, Munteanu Renata, Applied Mechanics and Materials, ISSN 1662-7482, VOL. 760, PP 275-280, 2015, Trans Tech Publications, Switzerland	0	0,1			
17.	Behavior of multiphase fiber-reinforced polymers under short time cyclic loading Author(s): Vlase, S.; Teodorescu-Draghicescu, H.; Motoc, D. L.; Scutaru M.L. ; Serbina L; Calin M.R. Optoelectronics and Advanced Materials ,Volume: 5 Issue: 3-4 Pages: 419-423 Published: MAR 2011, http://oam-rc.inoe.ro/index.php/index.php?option=magazine&op=view&idu=1527&catid=61	0,304	0,404			
Citing Article without self-citations (from Web of Science)						
17.1	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,	0,429	0,529			
17.2	Behavior of a new Heliopol/Stratimat300 composite laminate. Autor(s) :S. Vlase, R. Purcarea, H. Teodorescu-Draghicescu, M. R. Calin, I.Szava, M. Mihalca Optoelectronics and Advanced Materials, Vol.7, No.7-8, July - August 2013, p. 569 – 572	0,449	0,549			
17.3	Properties of advanced new materials used in automotive engineering. Autor(s): Arina Modrea, Sorin Vlase, Horatiu Teodorescu-Draghicescu, Marian Romeo Calin, Christian Astalos, Optoelectronics and Advanced Materials, Vol. 7, No. 5-6, May -	0,449	0,549			4,562

	June 2013, p. 452 – 455			4,158	
17.4	The influence of dimensional and structural shifts of the elastic constant values in cylinder fiber composites. Autor(s): Arina Modrea, Sorin Vlase, Marian Romeo Calin, Andreea Peterlicean Journal of Optoelectronics and Advanced Materials ,Vol. 15, No.3 - 4, March – April 2013, p. 278 – 283	0,563	0,663		
17.5	Mechanical Behavior of Epoxy 1050_GBX300L-1250 Glass Fabric Laminates Subjected to Three-Point Bend Tests Autor(s): Camelia Niculita Optoelectronics and Advanced Materials,Volume: 6 Issue: 3-4 / 2012 , pg. 487-490	0,402	0,502		
17.6	Mechanical behavior of carbon fibre-reinforced epoxy/plain200 prepregs subjected to three-point bend tests Author(s): Niculita, C Optoelectronics and Advanced Materials ,Volume: 6 Issue: 3-4 / 2012 , pg. 504-507	0,402	0,502		
17.7	Evaluation of the clean softwood components longitudinal youngs moduli by means of overwall measurements Autor(s): Szava Ioan, Vlase Sorin, Galfi Pal Botond, Munteanu Renata Ildiko, Ionescu Dora Raluca, Wood Research, Vol.60, Nr.4, 2015, pg. 555-566,2015, FI=0,364	0,364	0,464		
17.8	Tensile Tests on Four Layers CSM600 Glass Fibers-reinforced Polylite 440-M888 Polyester Resin Autor(s): Arina Modrea, Florin Teodorescu, Dorin Rosu 8 th International Conference Interdisciplinarity in Engineering, INTER-ENG 2014 Book Series:ProcediaTechnology Volume: 19 Pages: 284-290 Published: 2015 (Sursa: ISI Web of Science)	0	0,1		
17.9	RT500/RT800 Sandwich Composite Laminate with COREMAT Subjected to Bending Tests, Autor(s): Arina Modrea, Florin Teodorescu, Dorin Rosu 8 th International Conference Interdisciplinarity in Engineering, INTER-ENG 2014 Book Series:ProcediaTechnology Volume: 19 Pages: 284-290 Published: 2015 (Sursa: ISI Web of Science)	0	0,1		
17.10	Glass Fabric-reinforced Polyte 440-M888 Composite Laminated Subjected to Tensile Load on warp direction Autor(s): Ioan Szava, Arina Modrea, Botond Galfi, Renata Munteanu 8 th International Conference Interdisciplinarity in Engineering, INTER-ENG 2014 Book Series:ProcediaTechnology Volume: 19 Pages: 254-259 Published: 2015 (Sursa: ISI Web of Science)	0	0,1		
17.11	Matrix Strain Increase Factors in Unidirectional Fibers-Reinforced Laminae, Autor(s): Teodorescu Draghicescu Horatiu, Vlase Sorin, Munteanu Renata, Applied Mechanics and Materials, ISSN 1662-7482, VOL. 760, PP 275-280, 2015, Trans Tech Publications, Switzerland	0	0,1		
TOTAL PUNCTE CRITERIUL CDI-ART					32,709

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

Nr. crt.	Referința bibliografică	Nr. pagini	Puncte
1.	Maria- Luminița Scutaru <i>Transferul termic prin panouri tip sandwich utilizate în construcția caselor</i> , Editura Universității Transilvania din Brasov, 2007, ISBN 978-973-635-877-7	192 pag	3,840
2.	Maria Luminita Scutaru , A.Chiru, S.Vlase, C.Cofaru, H.Teodorescu <i>Materiale plastice și compozite în ingineria autovehiculelor</i> , Editura Matrix Rom, București, 2013, ISBN 978-606-25-0023-8	333 pag.	6,660
3.	Maria Luminita Scutaru, Gheorghe Deliu , <i>Analiza dinamică a transmisiilor folosite la turbinele eoliene de mica putere</i> ”, Editura Universității Transilvania din Brasov, 2015, ISBN 978-606-19-0548-5	201 pag	4 ,020
4.	Maria Luminita Scutaru, Janos Timar , <i>Compozite utilizate in industria de automobile în vederea combaterii zgomotului ambiental</i> , Editura Universității Transilvania din Brasov ,2015, ISBN 978-606-19-0577-5	410 pag.	8,200
TOTAL PUNCTE CRITERIUL CDI-MON			22,720

TOTAL PUNCTE CRITERIUL CDI = 55,838 puncte

2. Criteriul DID - Activitate didactică și profesională

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

Nr. crt.	Referința bibliografică	Nr. pagini	Puncte
1.	Maria Luminita Scutaru <i>Mecanica. Statica</i> Editura Universității Transilvania din Brasov, 2008, ISBN 978-973-598-245-4	194 pag.	3,880
2.	M.L.Scutaru , H.D. Teodorescu, S.Vlase <i>MECANICA TEHNIC</i> , Editura Informarket, Brasov, 2009, ISBN 978-973-1747-15-6	497 pag.	9,940
3.	Maria Luminita Scutaru <i>Mecanica – Cinematica. Teorie și aplicații</i> Editura Universității Transilvania Brașov, 2013, ISBN 978-606-19-0269-9	152 pag.	3,040

4.	Maria Luminita Scutaru <i>Mecanica –Dinamica.Teorie și aplicați</i> , Editura Universității Transilvania Brașov, 2014 ISBN 978-606-19-0443-3	303 pag.	6,060
5.	Maria Luminita Scutaru <i>Mecanica. Statica-curs ptr invatamantul cu frecventa redusa</i> , Editura Universității Transilvania din Brasov, 2015, ISBN 978-606-19-0677-2	170 pag.	3,400
TOTAL PUNCTE CRITERIUL DID-MS			26,320

TOTAL PUNCTE CRITERIUL DID = 26,320 puncte

3. 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)

Nr. crt.	Denumirea	Perioada de derulare	Valoare (lei)	Puncte
CONTRACT CU TERTI				
1.	Stabilirea la nivel național a zonelor linistite din aglomerari-lot7, contract Contract 3810 AK, finanțator Ministerul Mediului	16.10.2007-30.04.2008	89131	8,913

Proiecte câștigate prin competiție națională în calitate de membru în echipă (RIA-CTR)

(0,25puncte = 10.000 RON –Terti; 0,25 puncte = 50.000 RON- Granturi):

Nr. crt.	Denumirea	Perioada de derulare	Valoare (lei)	Puncte
GRANTURI				
1.	Modelarea și simularea comportării la solicitări mecanice, prin metoda elementelor finite, a materialelor compozite în scopul identificării proprietăților elastice/ vascoelastice ale acestora, Contract CEEX 42/2005 –Modulul I, finanțator Ministerul Cercetării si Tehnologiei	2005-2008	330000	1,650
2.	Promovarea cercetării interdisciplinare de excelență în domeniul sistemelor multicorp și racordarea la programul FP7, Contract 12555 -CEEX Modulul III , finanțator Ministerul Cercetării si Tehnologiei	2006-2008	40000	0,200
3.	Contract 35/2006, CEEX Modulul III Rezultate moderne și tendințe în mecanica materialelor compozite polimerice armate cu fibre, Contract Contract 35/2006, finanțator Ministerul Cercetării si Tehnologiei	2006-2007	70000	0,350
4	Cercetări avansate în Mecanica Computatională și Inginerie	2006-2007	100000	0,500

	Virtuală, Contract CEEX 23/2006 , finantator Ministerul Cercetarii si Tehnologiei			
5.	Analiza virtuală nelineară și experimentală și controlul optimal al sistemelor mecanice multicorp cu elemente elastice, cu aplicație în construcția de mașini și robotică, Contract CEEX Modulul I – Contract 61/ 2006 , finantator Ministerul Cercetarii si Tehnologiei	2006-2008	620000	3,100
6.	Sistem computerizat de monitorizare a poluarii prin sunete si vibratii in aglomerarile urbane - acronim SICOMSUV, Contract nr 129/2006, CEEX, Modulul I, 129/4/2006 , finanțator Ministerul Educației	2006-2008	100000	0,500
7.	Laborator de cercetare-testare a calității mobilierului și certificare a conformității produselor din lemn, aliniat la normele europene, Contract CEEX nr. 195/10.08.2006, finanțator Asociația de acreditare din România –RENAR	2007-2008	795000	3,975
8.	Analiza virtuală a sistemelor multicorp cu aplicație la proiectarea autovehiculelor (reprezentări simbolice si simulare numerică)- acronim ADEL, Contract CEEX nr. 930/2007, CNCISIS, finantator Ministerul Educației	2007-2008	186000	0,930
Total puncte contracte tip grant				11, 205
CONTRACTE CU TERTI				
1.	Identificarea si utilizarea unui software avansat pentru modelare(cu modul chimic), inclusiv pentru poluantii secundari (ozon, compusi organici volatili, etc.), Contract 4167AK/2007 , finanțator Ministerul Mediului	16.10.2007-30.04.2008	199000	4,975
2.	Stabilirea unui program de prognozare a calitatii aerului pentru 1zi/2zile/3zile la scara locala- studio pilot - pentru aglomerarile Craiova, Cluj si Iasi, Contract 4165AK/2007 , finanțator Ministerul Mediului	16.10.2007-30.04.2008	199000	4,975
3.	Studii privind influenta schimbarilor climatice asupra regimurilor hidrologice si hidroenergetice, asupra biodiversitatii si asupra comportamentului uman, Contract 4166AK/2007, finanțator Ministerul Mediului	16.10.2007-30.04.2008	81500	2,037
Total puncte contracte terti				11,987
TOTAL PUNCTE CRITERIUL RIA:				23,192

TOTAL PUNCTE CRITERIUL RIA = 32,105 puncte

Verificat
20.06.2016

Director departament
Prof. dr ing. Mat. Sorin VLASE



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Conf.dr.abil ing. Maria Luminița SCUTARU

