

FIȘA PENTRU VERIFICAREA STANDARDELOR MINIMALE

Domeniul fundamental "Științe Inginerești"

Comisia de specialitate "Inginerie mecanică, mecatronică și robotică"

Conf. dr. ing. MOTOC LUCA Dana

Nr. crt.	Criterii de evaluare	Minim de îndeplinit (puncte)	Valori calculate
1	Criteriul CDI <i>Activitate de cercetare științifică, dezvoltare tehnologică și inovare</i>	Minim 10 puncte, din care minim 6 puncte din criteriul CDI-ART (Articole științifice publicate în reviste de specialitate cotate ISI sau în reviste/volume indexate ISI sau BDI)	CDI - 47.403 CDI-ART - 32.043
2	Criteriul DID <i>Activitate didactică și profesională</i>	Minim 10 puncte, din care minim 6 puncte din DID-MS (Manuale-suport curs, format tipărit sau format electronic)	DID – 13.10
3	Criteriul RIA <i>Recunoașterea și impactul activității</i>	Minim 10 puncte Contribuție principală (minim 60%) în calitate de director grant/proiect	RIA – 14.073
TOTAL		30 puncte	74.576 puncte

Criteriul CDI - *Activitate de cercetare științifică, dezvoltare tehnologică și inovare*

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

Formula de calcul: $1 \text{ articol} = \text{FI}^*_{\text{articol}} + \sum \text{FI}^*_{\text{citare}}$ $\text{FI}^* = 0.1 + \text{Factor de impact}$

Nr. crt.	Descriere	FI _{articol}	FI* _{articol}	$\sum \text{FI}^*_{\text{citare}}$	Punctaj articol
1.	Oltean, I.D. and D.L. Motoc , <i>Experimental research approaches of few electrical properties in case of metallic particles reinforced polymeric composite materials</i> . Proceedings of the 10th International Conference on Optimization of Electrical and Electronic Equipment, Vol I: Electrotechnics, ed. M. Cernat, A. Nicolaide, and I. Margineanu. 2006. 165-168. http://info-optim.ro/history.php . http://apps.webofknowledge.com	-	0.1	-	0.1
2.	Curtu, I. and D.L. Motoc , <i>Theoretical - Experimental Comparisons of Multi-phase Composite Materials Elastic Coefficients Retrieved from Tensile, Compressive and Bending Tests. Influencing Factors</i> . Materiale Plastice, 2008. 45 (4): p. 366-371. http://revmaterialeplastice.ro/pdf/CURTU%20I.pdf . http://apps.webofknowledge.com	0.873	0.1	1.113	2.086
Articolele care citează lucrarea (au fost excluse auto-citările)					
2.1	Andrei, G., et al., <i>On wear Behaviour of a Composite Class with Micro-Nano Adding Particles and PA Matrix</i> . Materiale Plastice, 2010. 47 (3): p. 356-363.			-	
2.2	Cerbu, C., et al., <i>Effects of the Wood Species on the Mechanical Characteristics in Case of Some E-glass Fibers/Wood Flour/Polyester Composite Materials</i> . Materiale Plastice, 2010. 47 (1): p. 109-114.			-	
2.3	Circiumaru, A., et al., <i>Electrical Conductivity of Fabric Based Filled Epoxy Composites</i> . Materiale Plastice, 2009. 46 (2): p. 211-214.			-	
2.4	Iliescu, N., A. Hadăr, and S.D. Pastramă, <i>Combined Researches for Validation of a New Finite Element for Modelling Fiber Reinforced Laminated Composite Plates</i> . Materiale Plastice, 2009. 46 (1): p. 91-94.			-	
2.5	Lin, J.-z. and Q.-h. Zhang, <i>Three-dimensional Fiber Orientation of Fiber Suspensions Flowing through a Rotating Curved Expansion Duct</i> . Fibers and Polymers, 2014. 15 (2): p. 364-372.			1.113	
2.6	Mitu, L.G., et al., <i>Experimental research concerning the plastic materials behavior in medical engineering</i> . Metalurgia International, 2013. 18 : p. 127-130.			-	

2.7	Pop, M.A., et al., <i>CTE assessment of various glass fibers reinforced polymer composite architectures</i> . <i>Metalurgia International</i> , 2013. 18 : p. 131-134. . http://apps.webofknowledge.com	-			
3.	Oltean, D.I., et al., <i>Electrical properties of metallic iron particle reinforced polymeric composite materials</i> . <i>Journal of Optoelectronics and Advanced Materials</i> , 2008. 10 (12): p. 3328-3331., http://joam.inoe.ro , http://apps.webofknowledge.com	0.577	0.1	2.824	3.501
Articolele care citează lucrarea (au fost excluse auto-citările)					
3.1	Edwards, M., et al., <i>Measurement of the dielectric, conductance and pyroelectric properties of MWCNT: PVDF nanocomposite thin films for application in infrared technologies</i> . <i>Infrared Sensors, Devices, and Applications Iii</i> , 2013. 8868 .	-		1.46	2.824
3.2	Edwards, M.E., et al., <i>Characterization of Polymeric Composite Films with MWCNT and Ag Nanoparticles</i> . <i>Infrared Sensors, Devices, and Applications Ii</i> , 2012. 8512	-		1.364	
4.	Teodorescu, H., et al., <i>Some averaging methods in the micromechanics of composite materials with periodic structure</i> . <i>Acmos '08: Proceedings of the 10th Wseas International Conference on Automatic Control, Modelling and Simulation</i> , ed. M. Demiralp, et al. 2008. 210-214. . http://apps.webofknowledge.com	-	0.1	-	0.1
5.	Teodorescu, H., et al., <i>Mechanical behavior of an advanced sandwich composite structure</i> . <i>New Aspects of Engineering Mechanics, Structures, Engineering Geology</i> , ed. M.K. Nikolinakou, et al. 2008. 280-285. . http://apps.webofknowledge.com	-	0.1	-	0.1
6.	Teodorescu-Draghicescu, H., et al., <i>On the Elastic Properties of Some Advanced Composite Laminates Subjected to Off-Axis Loading Systems</i> . <i>Proceedings of the 1st Wseas International Conference on Materials Science</i> , ed. D.K. Yfantis, et al. 2008. http://www.wseas.us/e-library/conferences/2008/bucharest2/material/materials00.pdf . http://apps.webofknowledge.com	-	0.1	-	0.1
7.	Motoc, D.L. and I. Curtu, <i>Dynamic Mechanical Analysis of Multiphase Polymeric Composite Materials</i> . <i>Materiale Plastice</i> , 2009. 46 (4): p. 462-466. http://www.revmaterialeplastice.com/pdf/MOTOC%20LUCA%204.pdf . http://apps.webofknowledge.com	-	0.1	3.137	3.237
Articolele care citează lucrarea (au fost excluse auto-citările)					
7.1	Circiu, I., et al., <i>Theoretical Analysis and Experimental Researches regarding the Asymmetrical Fluid Flow Applied in Aeronautics</i> . <i>Advances in Materials Science and Engineering</i> , 2015	0.90			
7.2	Ionita, M. and I.V. Branzoi, <i>Multiscale Molecular Modeling and Laboratory</i>	-			

	<i>Investigation of Polypyrrole-polyaniline Composite</i> . Materiale Plastice, 2010. 47 (2): p. 184-188.				
7.3	Tabacu, S., et al., <i>Hexahedral Finite Elements Mesh Generation Method with Applications to Plastics Parts</i> . Materiale Plastice, 2010. 47 (1): p. 94-102.				
7.4	Zhang, W., et al., <i>Temperature-Dependent Mechanical Properties and Model of Magnetorheological Elastomers</i> . Industrial & Engineering Chemistry Research, 2011. 50 (11): p. 6704-6712.			2.237	
8.	Pirna, I., et al., <i>Flexural Rigidity Evaluation of a New Sandwich Structure With Nonwoven Polyester Mat</i> . Proceedings of the 11th Wseas International Conference on Automatic Control, Modelling and Simulation, ed. M. Demiralp, N.A. Baykara, and N.E. Mastorakis. 2009. 234-239. . http://apps.webofknowledge.com	-	0.1	-	0.1
9	Teodorescu-Draghicescu, H., et al., <i>On the Elastic Constants of a Fibre-Reinforced Composite Laminate</i> . Proceedings of the 2nd Wseas International Conference on Engineering Mechanics, Structures and Engineering Geology, ed. N.E. Mastorakis, O. Martin, and X.J. Zheng. 2009.155-158. http://www.wseas.org/multimedia/books/2009/rodos/EMESEG.pdf . http://apps.webofknowledge.com	-	0.1	-	0.1
10.	Teodorescu-Draghicescu, H., et al., <i>A Homogenization Method for Pre-Impregnated Composite Materials</i> . World Congress on Engineering 2009, Vols I and II, ed. S.I. Ao, et al. 2009. 1563-1568. http://www.iaeng.org/publication/WCE2009/WCE2009_pp1563-1568.pdf . http://apps.webofknowledge.com	-	0.1	-	0.1
11.	Teodorescu-Draghicescu, H., et al., <i>Some advanced symmetric composite laminates subjected to off-axis loading systems. A STIFFNESS EVALUATION</i> , in <i>Proceedings of the 13th International Conference Modern Technologies, Quality and Innovation: Modtech 2009 - New Face of TMCR</i> , D. Nedelcu, L. Slatineanu, and S. Mazuru, Editors. 2009. p. 647-650. http://modtech.tuiasi.ro/2009/publication/T/Teodorescu_Draghicescu_Horatiu_A2.pdf http://apps.webofknowledge.com	-	0.1	-	0.1
12.	Motoc, D.L. , et al., <i>Multiphase Polymeric Composite Materials CTE Variation with Extreme Environmental Conditions</i> . Materiale Plastice, 2010. 47 (2): p. 236-239 http://www.linknovate.com/publication/multiphase-polymeric-composite-materials-ce-variation-with-extreme-environmental-conditions-2086643/ . http://apps.webofknowledge.com	-	0.1	-	0.1
13.	Motoc, D.L. , N. Dadirlat, and H. Teodorescu, <i>Novel Multiphase Polymeric Composite Structures with Improved CTE Designed for Heating Elements</i> . New	-	0.1	-	0.1

	Aspects of Fluid Mechanics, Heat Transfer and Environment, ed. N. Mastorakis, V. Mladenov, and Z. Bojkovic. 2010. 358-360. http://www.wseas.org/multimedia/books/2010/Taipei/FH.pdf http://apps.webofknowledge.com				
14.	Motoc, D.L. , I. Oltean, and V. Luca, <i>Tailoring the multiphase composite materials' electrical properties</i> . Journal of Optoelectronics and Advanced Materials, 2010. 12(8) : p. 1795-1798. . http://apps.webofknowledge.com	0.412	0.1	-	0.512
15.	Teodorescu-Draghicescu, H., et al., <i>Thermal Behaviour of a Thin Sandwich Composite Structure With Nonwoven Polyester Mat Core</i> . New Aspects of Fluid Mechanics, Heat Transfer and Environment, ed. N. Mastorakis, V. Mladenov, and Z. Bojkovic. 2010. 345-350. http://www.wses.org/multimedia/boos/2010/Taipei/FH.pdf http://apps.webofknowledge.com	-	0.1	-	0.1
16.	Ferrandiz Bou, S., et al., <i>Adapting to the new ECTS programme. Comparison of the evolution of the materials course in Romania and Spain</i> . Inted2011: 5th International Technology, Education and Development Conference, 2011: p. 4027-4033. http://library.iated.org/view/FERRANDIZBOU2011ADA http://apps.webofknowledge.com	-	0.1	-	0.1
17.	Motoc, D.L. and N. Dadirlat, <i>Particle size and structural composition influences on overall CTE behavior of recycled polymeric</i> . Metalurgia International, 2011. 16(4) : p. 149-152. http://apps.webofknowledge.com	0.084	0.1	-	0.184
18.	Motoc, D.L. , A.P. Pop, and G.B. Mihoc, <i>A perspective in sizing the main influencing factors on the thermal properties of different metal/non-metal powders</i> . Metalurgia International, 2011. 16(4) : p. 97-100. http://apps.webofknowledge.com	0.084	0.1	-	0.184
19.	Vlase, S., et al., <i>Behavior of multiphase fiber-reinforced polymers under short time cyclic loading</i> . Optoelectronics and Advanced Materials-Rapid Communications, 2011. 5(3-4) : p. 419-423. http://apps.webofknowledge.com	0.304	0.1	4.309	4.713
Articolele care citează lucrarea (au fost excluse auto-citările)					
19.1	Heitz, T., et al., <i>Advanced T700/XB3585 UD carbon fibers-reinforced composite</i> . Journal of Optoelectronics and Advanced Materials, 2014. 16(5-6) : p. 568-573.		0.563		4.309
19.2	Modrea, A., et al., <i>Properties of advanced new materials used in automotive engineering</i> . Optoelectronics and Advanced Materials-Rapid Communications, 2013. 7(5-6) : p. 452-455.		0.449		

19.3	Niculita, C., <i>Mechanical behavior of epoxy 1050_GBX300L-1250 glass fabric laminates subjected to three-point bend tests.</i> Optoelectronics and Advanced Materials-Rapid Communications, 2012. 6 (3-4): p. 487-490.	0.402			
19.4	Niculita, C., <i>Mechanical behavior of carbon fibre-reinforced epoxy/plain200 prepregs subjected to three-point bend tests.</i> Optoelectronics and Advanced Materials-Rapid Communications, 2012. 6 (3-4): p. 504-507.	0.402			
19.5	Scutaru, M.L., et al., <i>Advanced HDPE with increased stiffness used for water supply networks.</i> Journal of Optoelectronics and Advanced Materials, 2015. 17 (3-4): p. 484-488.	0.563			
19.6	Stanciu, A., et al., <i>Mechanical behavior of CSM450 and RT800 laminates subjected to four-point bend tests.</i> Optoelectronics and Advanced Materials-Rapid Communications, 2012. 6 (3-4): p. 495-497.	0.402			
19.7	Teodorescu-Draghicescu, H., et al., <i>New Advanced Sandwich Composite with twill weave carbon and EPS.</i> Journal of Optoelectronics and Advanced Materials, 2013. 15 (3-4): p. 199-203.	0.563			
19.8	Vlase, S., et al., <i>Behavior of a new Heliopol/Stratimat300 composite laminate.</i> Optoelectronics and Advanced Materials-Rapid Communications, 2013. 7 (7-8): p. 569-572.	0.449			
19.9	Vlase, S., et al., <i>Advanced Polylyte composite laminate material behavior to tensile stress on weft direction.</i> Journal of Optoelectronics and Advanced Materials, 2012. 14 (7-8): p. 658-663.	0.516			
20.	Ferrandiz Bou, S., et al., <i>Evaluation of the materials course in the new ects programme. Comparison of Romania and Spain experience.</i> Edulearn12: 4th International Conference on Education and New Learning Technologies, 2012: p. 6458-6465. http://apps.webofknowledge.com	-	0.1	-	0.1
21.	Purcarea, R., D.L. Motoc , and M.L. Scutaru, <i>Mechanical behavior of a thin nonwoven polyester mat subjected to three-point bend tests.</i> Optoelectronics and Advanced Materials-Rapid Communications, 2012. 6 (1-2): p. 214-217. http://apps.webofknowledge.com	0.402	0.1	1.528	2.03
Articolele care citează lucrarea (au fost excluse auto-citările)					
21.1	Scutaru, M.L., et al., <i>Advanced HDPE with increased stiffness used for water supply networks.</i> Journal of Optoelectronics and Advanced Materials, 2015. 17 (3-4): p. 484-488. http://apps.webofknowledge.com	0.563			1.528
21.2	Vlase, S., et al., <i>Behavior of a new Heliopol/Stratimat300 composite laminate.</i> Optoelectronics and Advanced Materials-Rapid Communications, 2013. 7 (7-8): p. 569-572. http://apps.webofknowledge.com	0.449			

21.3	Vlase, S., et al., <i>Advanced Polylyte composite laminate material behavior to tensile stress on weft direction</i> . Journal of Optoelectronics and Advanced Materials, 2012. 14 (7-8): p. 658-663. http://apps.webofknowledge.com		0.516		
22.	Motoc, D.L. <i>Dynamic mechanical characterization of CG/GF hybrid reinforced polymeric composite structures</i> . Proceedings of the ASME 11th Biennial Conference on Engineering Systems Design and Analysis, 2012, Vol 3. 2013. 27-32. http://apps.webofknowledge.com	-	0.1	-	0.1
23.	Motoc, D.L. , J. Ivens, and N. Dadirlat, <i>Coefficient of thermal expansion evolution for cryogenic preconditioned hybrid carbon fiber/glass fiber-reinforced polymeric composite materials</i> . Journal of Thermal Analysis and Calorimetry, 2013. 112 (3): p. 1245-1251. http://apps.webofknowledge.com	2.206	0.1	8.933	11.239
Articolele care citează lucrarea (au fost excluse auto-citările)					
23.1	Reben, M. and M. Sroda, <i>Influence of fluorine on thermal properties of lead oxyfluoride glass</i> . Journal of Thermal Analysis and Calorimetry, 2013. 113 (1): p. 77-81.		2.206		
23.2	Shen, X.-J., et al., <i>Improved cryogenic interlaminar shear strength of glass fabric/epoxy composites by graphene oxide</i> . Composites Part B-Engineering, 2015. 73 : p. 126-131.		2.602		8.933
23.3	Shi, X.-P., et al., <i>Simulation and Experiment of Damage Evolution on Composite Structure in Hydro/Thermal/Mechanical Coupled Environment</i> . Fibers and Polymers, 2014. 15 (10): p. 2175-2180.		1.113		
23.4	Swolfs, Y., L. Gorbatikh, and I. Verpoest, <i>Fibre hybridisation in polymer composites: A review</i> . Composites Part a-Applied Science and Manufacturing, 2014. 67 : p. 181-200.		3.012		
24.	Motoc, D.L. , S. Vlase - <i>Micromechanical based simulation and experimental approaches in. The thermal conductivities assessment of hybrid polymeric composite materials</i> . Proceedings of the Asme 11th Biennial Conference on Engineering Systems Design and Analysis, 2012, Vol 3. 2013. 21-26. http://apps.webofknowledge.com	-	0.1	-	0.1
25.	Oltean, I.D., D.L. Motoc , <i>About Electromagnetic Behaviour of Composite Materials with Iron Powder</i> . 2013 8th International Symposium on Advanced Topics in Electrical Engineering. 2013. http://apps.webofknowledge.com http://ieeexplore.ieee.org/xpls/abs_all.jsp?anumber=6563460&tag=1	-	0.1	-	0.1

26.	Motoc, D.L. , S.F. Bou, and R.B. Gimeno, <i>Effects of fibre orientation and content on the mechanical, dynamic mechanical and thermal expansion properties of multi-layered glass/carbon fibre-reinforced polymer composites</i> . Journal of Composite Materials, 2015. 49 (10): p. 1211-1221. http://apps.webofknowledge.com http://jcm.sagepub.com/content/early/2014/04/22/0021998314532151.abstract	1.257	0.1	-	1.357
27.	Motoc Luca, D. , <i>Hybrid particle/fiber polymer based composites analysis based on DMA data vs. material property predictions</i> . Applied Mechanics and Materials 2014: p. 101-106. http://www.scientific.net/AMM.659.101	-	0.1	-	0.1
28.	Motoc Luca, D. and T. Bedo, <i>An estimate of thermo-physical changes in hybrid basalt/glass fibres reinforced polymer composites</i> . Advanced Engineering Forum, 2015. 13 : p. 23-28. http://www.scopus.com , http://www.scientific.net/	-	0.1	-	0.1
29.	Luca Motoc, D. , et al., <i>A comparison approach on predicted and retrieved mechanical properties of ni foams</i> . Metalurgia International, 2013. 18 : p. 69-72. http://apps.webofknowledge.com	-	0.1	-	0.1
30.	Pop, M.A., Motoc Luca D. et. al., <i>CTE assessment of various glass fibre reinforced polymer composite architectures</i> . Metalurgia International, 2013. 18 : p. 131-134. http://apps.webofknowledge.com	-	0.1	-	0.1
31.	Motoc Luca D. , Soica A. – <i>Mechanical behaviour of 3-phase polymeric composites subjected to static loading conditions</i> , Proceedings of the 6th International Conference of DAAAM Baltic, Industrial Engineering, Editor R.Kyttner, 23-26 aprilie 2008, Tallin, Estonia, ISBN 978-9985-59-783-5, pp. 507-512, http://www.scopus.com	-	0.1	-	0.1
32.	Motoc Luca D. , Teodorescu Drăghicescu H. - <i>Fillers' content influence on the mechanical properties of the glass mat reinforced polymeric composite</i> , The 19th International DAAAM Symposium "Intelligent Manufacturing & Automation: Focus on Next Generation of Intelligent Systems and Solutions", 22-25th October 2008, Trnava, Slovakia, ISSN 1726-9679, ISBN 978-3-901509-68-1, p. 0913-0914. http://www.scopus.com	-	0.1	-	0.1
33.	Oltean, I. D, Motoc Luca D. – <i>Conductive polymeric composites behaviour under various loading conditions</i> , Proceedings of the 6th International Conference of DAAAM Baltic, Industrial Engineering, Editor R.Kyttner, 23-26 aprilie 2008, Tallin, Estonia, ISBN 978-9985-59-783-5, pp. 513-518, http://www.scopus.com	-	0.1	-	0.1
34.	Cerbu, C., D. Motoc Luca , and V. Ciofoaia. <i>Advantages of the using of the poliester resin to manufacturing of the composite materials based on wood flour</i> . in <i>Annals of DAAAM and Proceedings of the International DAAAM Symposium</i> . 2009. http://www.scopus.com	-	0.1	-	0.1

35.	Motoc Luca D. – <i>Effects of particle content and post-curing thermal treatment on the effective modulus of multi-phase composite materials</i> , Proceedings to the 20th International DAAAM Symposium "Intelligent Manufacturing & Automation: Theory, Practice & Education", 25-28 noiembrie 2009, Viena, Austria, ISSN 1726-9679, ISBN 978-3-901509-70-4, p. 0163-0164. http://www.scopus.com	-	0.1	-	0.1
36.	Motoc Luca D. , Cerbu C., Șoica A. – <i>Static vs. dynamic elastic moduli of multiphase polymeric composite materials</i> , Proceedings to the 20th International DAAAM Symposium "Intelligent Manufacturing & Automation: Theory, Practice & Education", 25-28 noiembrie 2009, Viena, Austria, ISSN 1726-9679, ISBN 978-3-901509-70-4, p. 0907-0908., http://www.scopus.com	-	0.1	-	0.1
37.	Șoica A., Țirulescu S., Motoc Luca D. – <i>Influence of bumper design on pedestrian injuries</i> , Proceedings to the 20th International DAAAM Symposium "Intelligent Manufacturing & Automation: Theory, Practice & Education", 25-28 noiembrie 2009, Viena, Austria, ISSN 1726-9679, ISBN 978-3-901509-70-4, p. 0145-0146. http://www.scopus.com	-	0.1	-	0.1
38.	Stanciu M. D., Curtu I., Motoc Luca D. - <i>Determination of the acoustic characteristics of the ligno-cellulose plates by non-invasion method</i> , Proceedings to the 20th International DAAAM Symposium "Intelligent Manufacturing & Automation: Theory, Practice & Education", 25-28 noiembrie 2009, Viena, Austria, ISSN 1726-9679, ISBN 978-3-901509-70-4, p. 1799-1800. http://www.scopus.com	-	0.1	-	0.1
39.	Luca Motoc, D.I. and C. Cerbu. <i>Quantifying porosity influence on metallic particle reinforced composite properties</i> . in <i>WCE 2010 - World Congress on Engineering 2010</i> . http://www.scopus.com	-	0.1	-	0.1
40.	Motoc Luca D. et. al. – <i>A micromechanical based approach for dynamical properties evaluation in case of polymeric composite materials</i> , Proceedings of the International Conference of DAAAM Baltic Industrial Engineering, 2010, http://www.scopus.com	-	0.1	-	0.1

Criteriul CDI-BRV 2 - Brevete de invenție naționale

Nr. crt.	Descriere	Punctaj	Total
1.	<i>Rezistor reglabil cu element rezistiv din material compozit piezorezistiv</i> nr. RO 123411 B1 autori: Olteanu I. D., Motoc Luca D. , 2012	1	1

Criteriul CDI-MON 2 - Monografiile de specialitate sau capitole în monografiile de specialitate naționale (1 punct = 50 pagini)

Nr. crt.	Descriere	Nr. pagini	Punctaj	Total
1.	Szava I., Ciofoaia V., Motoc Luca D. , Curtu I. - <i>Metode experimentale în dinamica structurilor mecanice</i> , Ed. Universității Transilvania din Brașov, ISBN 973-94474-40-3, 2000.	262	5.24	14.36
2.	Motoc Luca D. – <i>Materiale compozite cu pulberi: analiză, modelare, fabricare și testare ultrasonică nedistructivă</i> , Ed. Universității Transilvania din Brașov, ISBN 973-635-527-6, 2005.	250	5	
3.	Curtu I., Motoc Luca D. – <i>Micromecanica materialelor compozite. Modele teoretice</i> , Ed. Universității Transilvania din Brașov, ISBN 978-973-598-469-4 9, 2009.	206	4.12	

Total puncte criteriul CDI - 47.403 (puncte)

Criteriul DID – Activitate didactică și profesională

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

Nr. crt.	Descriere	Nr. pagini	Punctaj	Total
1.	Zamfira S., Motoc Luca D. , Baritz M., Ulea M. – <i>Îndrumar de optică tehnică</i> , Ed. Universității Transilvania din Brașov, ISBN xxx, 1998.	111	2.22	13.10
2.	Motoc Luca D. - <i>Echipamente de prelucrarea optică a informațiilor</i> , Ed. Universității Transilvania din Brașov, ISBN 973-635-143-2, 2003.	233	4.66	
3.	Motoc Luca D. , Bejinaru Gh., Pop A., Novac M. – <i>Materiale și semifabricate optice. Sticla optică</i> , Ed. Universității Transilvania din Brașov, ISBN 973-635-515-2, 2005.	151	3.02	
4.	Motoc Luca D. – <i>Programarea în C++. Aplicații</i> , Ed. Universității Transilvania din Brașov, ISBN 978-973-598-183-9, 2007.	160	3.20	

Total puncte criteriul DID - 13.10 (puncte)

Criteriul RIA – Recunoașterea și impactul activității

Criteriul RIA-GRA 3 – Granturi naționale câștigate în calitate de director/responsabil partener (1 punct = 50 000 RON)

Nr. crt.	Descriere	Valoare (lei)	Punctaj	Total
1.	CNCSIS AT 172/2004 - <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, 2004-2005, CNCSIS AT</i>	33 000	0.66	11.97
2.	PNII IDEI 108/2007 – <i>Cercetări avansate privind dezvoltarea unor structuri hibride de materiale compozite polimere cu proprietăți fizice și mecanice performante, 2007-2010, CNCSIS</i>	565 500	11.31	

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

Nr. crt.	Descriere	Valoare (lei)	Punctaj	Total
1.	PNII IDEI 601/2009 – <i>Cercetări privind comportarea mecanică a unor structuri compozite și nano-compozite hibride ranforsate cu particule, țesături și materiale reciclate în condiții agresive de mediu, 2009-2011, CNCSIS</i>	377 796.23	1.888	2.103
2.	CNCSIS AT 423/2003 – <i>Contribuții la modelarea și simularea funcției vizuale în vederea protezării și ortezării, 2003-2004.</i>	11 000	0.055	
3.	CNCSIS AT 169/2004 – <i>Studiul teoretic și experimental al accidentelor de circulație de tipul autoturism pieton, 2004-2005.</i>	32 000	0.160	

Total puncte criteriul RIA - 14.073 (puncte)

Indici Hirsch - total puncte - 10

H1ISI – Indice Hirsch conform ISI Knowledge - 4

H2SCOPUS – Indice Hirsch conform Scopus - 1

H3GS - Indice Hirsch conform Google Scholar – 5