



ANEXA 1

FIȘĂ DE EVALUARE GENERALĂ A STANDARDELOR UNIVERSITĂȚII

CRITERII	DESCRIPTORI	PUNCTAJE ACORDATE
I. ACTIVITATEA DE CERCETARE (70%)	1. Articole științifice publicate <i>in extenso</i> în reviste cotate <i>Web of Science</i> cu factor de impact	(60 puncte x factor de impact + 25) / număr autori
	1. V. Tiron, I.-L. Velicu (corresponding author), D. Cristea, N. Lupu, G. Stoian, D. Munteanu, <i>Influence of ion-to-neutral flux ratio on the mechanical and tribological properties of TiN coatings deposited by HiPIMS</i> , <i>Surface & Coatings Technology</i> Technology (2017), (DOI: 10.1016/j.surfcoat.2017.11.048)	$(60 \times 2,589 + 25)/6 = 30,056.$
	2. S. Brezinsek, J.W. Coenen, T. Schwarz-Selinger, K. Schmid, A. Kirschner et al. (168 authors), <i>Plasma-Wall Interaction Studies within the EUROfusion Consortium: progress on Plasma-Facing Components development and qualification</i> , <i>Nuclear Fusion</i> 57 (2017) 116041.	$(60 \times 3.307 + 25)/168 = 1,329.$
	3. P. Dinca, C. Porosnicu, B. Butoi, I. Jepu, V. Tiron, O. G. Pompilian, I. Burducea, C. P. Lungu, I.-L. Velicu, <i>Beryllium-Tungsten Study on Mixed Layers obtained by m-HiPIMS / DCMS Techniques in a Deuterium and Nitrogen Reactive Gas Mixture</i> , <i>Surface & Coatings Technology</i> 321 (2017) 397-402.	$(60 \times 2,589 + 25)/9 = 20,037.$
	4. V. Tiron, I.-L. Velicu, C. Porosnicu, I. Burducea, P. Dinca, P. Malinsky, <i>Tungsten Nitride Coatings Obtained by HiPIMS as Plasma Facing Materials for Fusion Applications</i> , <i>Applied Surface Science</i> 416 (2017) 878-884.	$(60 \times 3,387 + 25)/6 = 38,036.$
	5. I.-L. Velicu, V. Tiron, C. Porosnicu, I. Burducea, G. Popa, D. Munteanu, <i>Enhanced properties of Tungsten thin films deposited with a novel HiPIMS approach</i> , <i>Applied Surface Science</i> 424 (2017) 397-406.	$(60 \times 3,387 + 25)/6 = 38,036.$
	6. V. Tiron, I.-L. Velicu, D. Stanescu, H. Magnan, L. Sirghi, <i>High Visible Light Photocatalytic Activity of Nitrogen-Doped ZnO Thin Films Deposited by HiPIMS</i> , <i>Surface & Coatings Technology</i> 324 (2017) 594-600.	$(60 \times 2,589 + 25)/5 = 36,068.$
	7. I.-L. Velicu, V. Tiron, B.-G. Rusu, G. Popa, <i>Copper thin films deposited under different power delivery modes and magnetron configurations: A comparative study</i> , <i>Surface & Coatings Technology</i> 327 (2017) 192-199.	$(60 \times 2,589 + 25)/4 = 45,085.$
	8. I.-L. Velicu, I. Mihaila, G. Popa, <i>Operating the HIPIMS discharge with ultra-short pulses: a solution to overcome the deposition rate limitation</i> , <i>Romanian Reports in Physics</i> 69 (2017).	$(60 \times 1,467 + 25)/3 = 37,673.$
	9. V. Tiron, I.-L. Velicu, M. Dobromir, A. Demeter, F. Samoila, C. Ursu, L. Sirghi, <i>Reactive multi-pulse HiPIMS deposition of oxygen-deficient TiO_x thin films</i> , <i>Thin Solid Films</i> 603 (2016) 255-261.	$(60 \times 1,879 + 25)/7 = 19,677.$
	10. V. Tiron, I.-L. Velicu (corresponding author), O. Vasilovici and G. Popa, <i>Optimization of deposition rate in HiPIMS by controlling the peak target current</i> , <i>Journal of Physics D: Applied Physics</i> 48 (2015) 495204.	$(60 \times 2,772 + 25)/4 = 21,943.$



I. ACTIVITATEA DE CERCETARE (70%)	11. L. Budeanu, M. Neagu, N. Lupu, H. Chiriac, I.-L. Velicu , <i>Fe_{73.5}Cu₁Nb₃Si_{15.5}B₇ powders prepared by mechanical grinding: structural and magnetic properties</i> , <i>Optoelectronics and Advanced Materials - Rapid Communications</i> 9 (2015) 1164-1166.	$(60 \times 0,412 + 25)/5 = 17,082.$
	12. I.-L. Velicu , M. Neagu, L. Costinescu, V. Tiron, D. Munteanu, <i>Nanomechanical characterization of amorphous and nanocrystalline FeCuNbSiB thin films</i> , <i>Applied Surface Science</i> 352 (2015) 5-9.	$(60 \times 3,150 + 25)/5 = 42,800.$
	13. V. Tiron, I.-L. Velicu , F. Ghiorghiu, G. Popa, <i>The effect of the additional magnetic field and gas pressure on the sheath region of a high power impulse magnetron sputtering discharge</i> <i>Romanian Reports in Physics</i> (2015).	$(60 \times 1,367 + 25)/4 = 26,755.$
	14. L. Costinescu, C. Cojocariu, M. Dudita, L. Parv, I.-L. Velicu , D. Munteanu, <i>The effect of Si incorporation on the mechanical properties and corrosion behaviour of a-C:H and a-C:H:Si coatings</i> , <i>Journal of Optoelectronics and Advanced Materials</i> 17 (2015) 241-247.	$(60 \times 0,383 + 25)/6 = 7,996.$
	15. I.-L. Velicu , M. Neagu, V. Tiron, <i>Fe_{73.5}Cu₁Nb₃Si_{15.5}B₇ Thin Films Deposited by HiPIMS: Magnetic and Magnetostrictive Behaviour</i> , <i>Journal of Superconductivity and Novel Magnetism</i> 28 (2015) 1035-1039.	$(60 \times 1,100 + 25)/3 = 30,333.$
	16. I.-L. Velicu , V. Tiron, <i>On the transport phenomena in highly ionized pulsed plasma during FeCuNbSiB thin film deposition process</i> , <i>Digest of Nanomaterials and Biostructures</i> 9 (2014) 1513-1522.	$(60 \times 0,945 + 25)/2 = 40,850.$
	17. I.-L. Velicu , V. Tiron, G. Popa, <i>Dynamics of the fast - HiPIMS discharge during FINEMET - type films deposition</i> , <i>Surface & Coatings Technology</i> , 250 (2014) 57-64.	$(60 \times 1,998 + 25)/3 = 48,293.$
	18. I.-L. Velicu , M. Neagu, L. Costinescu, D. Munteanu, E. P. Koumoulos, C. A. Charitidis, <i>Nanomechanical Properties of amorphous FeCuNbSiB Thin Films Deposited by HiPIMS</i> , <i>Sensors Letters</i> 11 (2013) 1925-1930.	$(60 \times 0,558 + 25)/6 = 9,746.$
	19. I.-L. Velicu , M. Kowalczyk, M. Neagu, V. Tiron, H. Chiriac, J. Ferenc, <i>FINEMET-type thin films deposited by HiPIMS: influence of growth and annealing conditions on the magnetic behaviour</i> , <i>Materials Science & Engineering B</i> 178 (2013) 1329-1333.	$(60 \times 2,122 + 25)/6 = 25,386.$
	20. I.-L. Velicu , M. Neagu, M. Dobromir, D. Luca, N. Lupu, H. Chiriac, F. Borza, <i>Structural, Magnetic and Magnetoelastic Behaviour of FeCuNbSiB Thin Films</i> , <i>Sensor Letters</i> 10 (2012) 902-905.	$(60 \times 0,517 + 25)/7 = 8,002.$
	21. I.-L. Velicu , M. Neagu, H. Chiriac, V. Tiron, M. Dobromir, <i>Structural and Magnetic Properties of FeCuNbSiB Thin Films Deposited by HiPIMS</i> , <i>IEEE Transactions on Magnetics</i> 48 (2012) 1336-1339.	$(60 \times 1,422 + 25)/5 = 22,064.$
	22. M. Dobromir, M. Neagu, H. Chiriac, C. Agheorghiesei, A. Bulai, I.-L. Velicu , F. Borza, <i>Ellipsometric investigation of Fe-based amorphous thin films</i> , <i>Optoelectron. Adv. Mat.</i> 4 (2010) 1667-1669.	$(60 \times 0,477 + 25)/7 = 7,660.$
	23. M. Neagu, M. Lozovan, M. Dobromir, I.-L. Velicu , C. Hison, S. Stratulat, <i>Permalloy Thin Films Obtained by Pulsed Laser Deposition: Magnetic and Galvanomagnetic Behaviour</i> , <i>J. Opt. and Adv. Mat.</i> 10 (2008) 632-634.	$(60 \times 0,577 + 25)/6 = 9,936.$



I. ACTIVITATEA DE CERCETARE (70%)	<i>Factorul de impact al revistei a fost completat cu valoarea corespunzătoare anului publicării articolului, respectiv celui mai apropiat an în situația absenței valorii pentru anul în cauză (conform Thomson Reuters-Journal Citation Reports)</i>	Scor individual 1: 584,843
	2. Articole științifice publicate <i>in extenso</i> în reviste indexate fără factor de impact	20 puncte / număr autori
	1. I.-L. Velicu (corresponding author), V. Tiron, I. Mihaila, C. Costin, <i>Pulsed magnetron sputtering: the role of the applied power on W coatings properties</i> , Recent Advances in Technology Research and Education. INTER-ACADEMIA 2017. Advances in Intelligent Systems and Computing, vol 660. Springer, Cham, 183-190.	$20 / 4 = 5$
		Scor individual 2: 5,000
	3. Articole științifice publicate <i>in extenso</i> în reviste indexate BDI	Scor individual 3: 0,000
	4. Articole științifice publicate <i>in extenso</i> în volumele conferințelor	alte categorii: 5 puncte / număr autori
	1. M. Dobromir, I.-L. Velicu, M. Neagu, H. Chiriac, <i>FeCuNbSiB Thin Films Deposited by Pulsed Laser Deposition: Structural and Magnetic Properties</i> , Proceedings of International Conference Nanomaterials: Application & Properties 2 (2013) 01NTF09(3).	$5 / 4 = 1,250$
	2. V. Tiron, C. Vitelaru, I.-L. Velicu, F. Ghiorghiu, G. Popa, <i>On transport phenomena in high power pulse unbalanced magnetron discharge with additional external magnetic field</i> , Proceedings of The XXXI International Conference on Phenomena in Ionized Gases – ICPIG (2013).	$5 / 5 = 1,000$
		Scor individual 4: 2,250
	5. Cărți științifice publicate (doar prima ediție)	Scor individual 5: 0,000
	6. Cărți științifice traduse și publicate în edituri din străinătate	Scor individual 6: 0,000
	7. Coordonarea și editarea de volume traduceri și antologii	Scor individual 7: 0,000
	8. Articole publicate în dicționare și enciclopedii	Scor individual 8: 0,000
	9. Contracte de cercetare științifică în instituții academice (universități, institute ale Academiei Române, institute naționale de cercetare, institute de cercetare din străinătate, alte categorii de institute academice)	contracte naționale – membru: 50 puncte pentru fiecare 500.000 lei / numărul membrilor echipei de cercetare
	1. Asistent de cercetare științifică în proiectul de cercetare I.D.:PN-II-PT-PCCA-2011-3.2-1340, Procedeu si instalație pentru depunerea de straturi subțiri în regim de plasmă pulsată cu grad ridicat de ionizare (1388000 lei, 6 membri).	$50 \times (1388000/500.000)/5 = 23.133$
	2. Cercetător științific în cadrul proiectului Experimentul ATLAS de la LHC. (432568 lei, 4 membri).	$50 \times (432568/500.000)/4 = 10,814$



I. ACTIVITATEA DE CERCETARE (70%)		Scor individual 9: 33,947
	10. Contracte de cercetare în mediul de afaceri și sectorul public	Scor individual 10: 0,000
	11. Brevete	Naționale: 30 puncte / numărul de autori
	1. Instalație și procedeu de sinteză a straturilor subțiri în descărcarea magnetron pulsată cu grad ridicat de ionizare, autori: Vasile Tiron, Ioana-Laura Velicu , Ilarion Mihăilă, Mihai Ganciu-Petcu, Mircea Udrea, Gheorghe Popa, Nr. Cerere Brevet OSIM: A/00892.	30 / 6 = 5
		Scor individual 11: 5,000
	12. Citări și recenzii ale lucrărilor științifice	Reviste de specialitate din străinătate: (10+ 20x factor de impact) / număr autori, pentru fiecare citare
	<p>1. S. Brezinsek, J.W. Coenen, T. Schwarz-Selinger, K. Schmid, A. Kirschner <i>et al.</i> (168 authors), <i>Plasma-Wall Interaction Studies within the EUROfusion Consortium: progress on Plasma-Facing Components development and qualification</i>, <i>Nuclear Fusion</i> 57 (2017) 116041, citat în:</p> <p>1. C Martin, H Hijazi, Y Addab, B Domenichini, M E Bannister, F W Meyer, C Pardanaud, G Giacometti, M Cabié and P Roubin, Tungsten oxide thin film bombarded with a low energy He ion beam: evidence for a reduced erosion and W enrichment, <i>Physica Scripta</i> (2017) 014019, DOI:10.1088/1402-4896/aa89c1, IF: 1,280.</p> <p>2. I.-L. Velicu, V. Tiron, C. Porosnicu, I. Burducea, G. Popa, D. Munteanu, <i>Enhanced properties of Tungsten thin films deposited with a novel HiPIMS approach</i>, <i>Applied Surface Science</i> 424 (2017) 397-406, citat în:</p> <p>1. A. Anders, <i>Tutorial: Reactive high power impulse magnetron sputtering (R-HiPIMS)</i>, <i>Journal of Applied Physics</i> 121 (2017) 171101, DOI:10.1063/1.4978350, IF: 2,068.</p> <p>2. A.I. Pereira, J. Martins, C.J. Tavares, L. Andrade, A. Mendes, <i>Development of stable current collectors for large area dye-sensitized solar cells</i>, <i>Applied Surface Science</i> 423 (2017) 549-556, DOI:10.1016/j.apsusc.2017.06.194, IF =3,387.</p> <p>3. M Fekete, J Hnilica, C Vitelaru, T Minea and P Vašina, <i>Ti atom and Ti ion number density evolution in standard and multi-pulse HiPIMS</i>, <i>Journal of Physics D: Applied Physics</i> 50 (2017) DOI: 10.1088/1361-6463/aa7e6d, IF =2,588.</p> <p>3. V. Tiron, I.-L. Velicu, D. Stanescu, H. Magnan, L. Sirghi, <i>High Visible Light Photocatalytic Activity of Nitrogen-Doped ZnO Thin Films Deposited by HiPIMS</i>, <i>Surface & Coatings Technology</i> 324 (2017) 594-600, citat în:</p> <p>1. D. Bernt, V. Ponomarenko, A. Pisarev, <i>Durability of transparent oleophobic coatings deposited by magnetron PVD</i>, <i>Surface & Coatings Technology</i> 330 (2017) 211-218, DOI:10.1016/j.surfcoat.2017.10.014, IF: 2.589.</p> <p>4. I.-L. Velicu, V. Tiron, B.-G. Rusu, G. Popa, <i>Copper thin films deposited under different power delivery modes and magnetron configurations: A comparative study</i>, <i>Surface & Coatings Technology</i> 327 (2017) 192-199, citat în:</p>	<p>(10 + 20 x 1,280)/168 = 0,211</p> <p>(10 + 20 x 2,068)/6 = 8,560</p> <p>(10 + 20 x 3,387)/6 = 12,956</p> <p>(10 + 20 x 2,588)/6 = 10,293</p> <p>(10 + 20 x 2,589)/5 = 12,356</p>



I. ACTIVITATEA DE CERCETARE (70%)	<p>1. Z. Chen , W. Tian, X. Zhang and Y. Wang, <i>Effect of deposition parameters on surface roughness and consequent electromagnetic performance of capacitive RF MEMS switches: a review</i>, J. Micromech. Microeng. 27 (2017) 113003 (26pp), DOI:10.1088/1361-6439/aa8917, IF: 1,794.</p> <p>2. W. Qin, L. Fu, T. Xie, J. Zhu, W. Yang, D. Li, L. Zhou, Abnormal hardness behavior of Cu-Ta films prepared by magnetron sputtering, Journal of Alloys and Compounds 708 (2017) 1033-1037, DOI:10.1016/j.jallcom.2017.03.106, IF: 3,133.</p> <p>5. V. Tiron, I.-L. Velicu, M. Dobromir, A. Demeter, F. Samoila, C. Ursu, L. Sirghi, <i>Reactive multi-pulse HiPIMS deposition of oxygen-deficient TiO_x thin films</i>, Thin Solid Films 603 (2016) 255-261, citat în:</p> <p>1. A. Demeter, F. Samoila, V. Tiron, D. Stanescu, H. Magnan, M. Stratiuciu, I. Burducea, L. Sirghi, <i>Visible-light photocatalytic activity of TiO_xNy thin films obtained by reactive multi-pulse High Power Impulse Magnetron Sputtering</i>, Surface & Coatings Technology 324 (2017) 614-619, DOI:10.1016/j.surfcoat.2016.10.011, IF: 2,589.</p> <p>2. T. Lin, L. Wang, X. Wang, Y. Zhang, <i>Low-temperature fabrication of VO₂ thin film on ITO glass with a Mott transition</i>, Functional Materials Letters 09 (2016) 1650062, DOI:10.1142/S1793604716500624, IF:1,234.</p> <p>3. M Fekete, J Hnilica, C Vitelaru, T Minea and P Vašina, Ti atom and Ti ion number density evolution in standard and multi-pulse HiPIMS, Journal of Physics D: Applied Physics 50 (2017) DOI:10.1088/1361-6463/aa7e6d, IF: 2,588.</p> <p>6. V. Tiron, I.-L.Velicu (corresponding author), O. Vasilovici and G. Popa, <i>Optimization of deposition rate in HiPIMS by controlling the peak target current</i>, Journal of Physics D: Applied Physics 48 (2015) 495204, citat în:</p> <p>1. W.-Y. Wu, A. Su, Y. Liu, C.-M. Yeh, W.-C. Chen, C.-L. Chang, <i>Effect of DC input power and nitrogen ratio on the deposition of Ti_{1-x}Al_xN thin films using high power impulse magnetron sputtering technique</i>, Surface & Coatings Technology 303 (2016) 48-53, DOI:10.1016/j.surfcoat.2016.03.050, IF:2,589.</p> <p>2. X. Jiang, F.-C. Yang, W.-C. Chen, J.-W. Lee, C.-L. Chan, <i>Effect of nitrogen-argon flow ratio on the microstructural and mechanical properties of AlSiN thin films prepared by high power impulse magnetron sputtering</i>, Surface & Coatings Technology 320 (2017) 138-145, DOI: 10.1016/j.surfcoat.2017.01.085, IF:2,589.</p> <p>3. P. Raman, J. Weberski, M. Cheng, I. Shchelkanov, D.N. Ruzic, <i>A high power impulse magnetron sputtering model to explain high deposition rate magnetic field configurations</i>, Journal of Applied Physics 120 (2016) 163301, DOI:10.1063/1.4965875, IF:2,068.</p> <p>4. M Fekete, J Hnilica, C Vitelaru, T Minea and P Vašina, Ti atom and Ti ion number density evolution in standard and multi-pulse HiPIMS, Journal of Physics D: Applied Physics 50 (2017) DOI: https://doi.org/10.1088/1361-6463/aa7e6d, IF: 2,588.</p> <p>7. V. Tiron, I.-L. Velicu, F. Ghiorgiu, G. Popa, <i>The effect of the additional magnetic field and gas pressure on the sheath region of a high power impulse magnetron sputtering discharge</i> Romanian Reports in Physics (2015), citat în:</p> <p>1. M. Rudolph, A. Demeter, E. Foy, V. Tiron, T. Minea, B. Bouchet-Fabre, M. C. Hugon, <i>Improving the degree of crystallinity of magnetron-sputtered Ta₃N₅ thin films by augmenting the ion flux onto the substrate</i>, Thin Solid Films 636 (2017) 48-53, DOI:10.1016/j.tsf.2017.05.033, IF:1,879.</p>	<p>$(10 + 20 \times 1,794)/4 = 11,470$</p> <p>$(10 + 20 \times 3,133)/4 = 18,165$</p> <p>$(10 + 20 \times 2,589)/7 = 8,825$</p> <p>$(10 + 20 \times 1,234)/7 = 4,954$</p> <p>$(10 + 20 \times 2,588)/7 = 8,822$</p> <p>$(10 + 20 \times 2,589)/4 = 15,445$</p> <p>$(10 + 20 \times 2,589)/4 = 15,445$</p> <p>$(10 + 20 \times 2,068)/4 = 12,840$</p> <p>$(10 + 20 \times 2,588)/4 = 15,440$</p> <p>$(10 + 20 \times 1,879)/4 = 7,969$</p>
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I. ACTIVITATEA DE CERCETARE (70%)	<p>8. I.-L. Velicu, M. Neagu, V. Tiron, <i>Fe_{73.5}Cu₁Nb₃Si_{15.5}B₇ Thin Films Deposited by HiPIMS: Magnetic and Magnetostrictive Behaviour</i>, Journal of Superconductivity and Novel Magnetism 28 (2015) 1035-1039, citat în:</p> <p>1. X. Zuo, P. Ke, R. Chen, X. Li, M. Odén, A. Wang, Discharge state transition and cathode fall thickness evolution during chromium HiPIMS discharge, Physics of Plasmas 24, 083507 (2017); DOI:10.1063/1.4995482, IF:2,115.</p>	$(10 + 20 \times 2,115)/3 = 17,433$
	<p>9. I.-L. Velicu, V. Tiron, G. Popa, Dynamics of the fast - HiPIMS discharge during FINEMET - type films deposition, Surface & Coatings Technology, 250 (2014) 57-64, citat în:</p> <p>1. O. Antonin, V. Tiron, C. Costin, G. Popa, T. M. Minea, On the HiPIMS benefits of multi-pulse operating mode, J. Phys. D: Appl. Phys. 48 (2015) 015202, DOI:10.1088/0022-3727/48/1/015202, IF:2,772.</p>	$(10 + 20 \times 2,772)/3 = 21,813$
	<p>2. V. Tiron, L. Sirghi, Tuning the band gap and nitrogen content of ZnOxNy thin films deposited by reactive HiPIMS, Surface & Coatings Technology 282 (2015) 103-106, DOI: 10.1016/j.surfcoat.2015.10.017, IF:2,139.</p>	$(10 + 20 \times 2,139)/3 = 17,593$
	<p>3. X. Tian, Y. Ma, J. Hu, M. Bi, C. Gong, Microstructure and mechanical properties of (AlTi)_xN_{1-x} films by magnetic-field-enhanced high power impulse magnetron sputtering, Journal of Vacuum Science & Technology A: Vacuum, Surfaces, and Films 35 (2017) 021402, DOI:10.1116/1.4971202, IF:1,374.</p>	$(10 + 20 \times 1,374)/3 = 12,493$
	<p>4. T.-G. Wang, Y. Dong, B.A. Gebrekidan, Y.-M. Liu, Q.-X. Fan, K.H. Kim, Microstructure and Properties of the Cr-Si-N Coatings Deposited by Combining High-Power Impulse Magnetron Sputtering (HiPIMS) and Pulsed DC Magnetron Sputtering, Acta Metallurgica Sinica (English Letters) 30 (2017) 688-696, DOI:10.1007/s40195-017-0609-0, IF:1,292.</p>	$(10 + 20 \times 1,292)/3 = 11,946$
	<p>5. A. Ferrec, J. Kéraudy, P.-Y. Jouan, Mass spectrometry analyzes to highlight differences between short and long HiPIMS discharges, Applied Surface Science 390 (2016) 497-505, DOI:10.1016/j.apsusc.2016.08.001, IF:3,387.</p>	$(10 + 20 \times 3,387)/3 = 25,913$
	<p>6. A. Tayal, M. Gupta, A. Gupta, V. Ganesan, L. Behera, S. Singh, S. Basu, Study of magnetic iron nitride thin films deposited by high power impulse magnetron sputtering, Surface & Coatings Technology 275 (2015) 264-269, DOI: 10.1016/j.surfcoat.2015.05.008, IF: 2,139.</p>	$(10 + 20 \times 2,139)/3 = 17,593$
	<p>10. I.-L. Velicu, M. Neagu, L. Costinescu, D. Munteanu, E. P. Koumoulos, C. A. Charitidis, Nanomechanical Properties of amorphous FeCuNbSiB Thin Films Deposited by HiPIMS, Sensors Letters 11 (2013) 1925-1930, citat în:</p> <p>1. E.P Koumoulos, S.A.M. Tofail, C. Silien, D. De Felicis, R. Moscatelli, D.A. Dragatogiannis, E. Bemporad, M. Sebastiani, C.A. Charitidis, Metrology and nano-mechanical tests for nano-manufacturing and nano-bio interface: Challenges & future perspectives, Materials & Design (2017), DOI:10.1016/j.matdes.2017.10.035, IF:4,364.</p>	$(10 + 20 \times 4,364)/6 = 16,213$
	<p>11. I.-L. Velicu, M. Kowalczyk, M. Neagu, V. Tiron, H. Chiriac, J. Ferenc, FINEMET-type thin films deposited by HiPIMS: influence of growth and annealing conditions on the magnetic behaviour, Materials Science & Engineering B 178 (2013) 1329-1333, citat în:</p> <p>1. H. Fager, G. Greczynski, J. Jensen, J. Lu, L. Hultman, Growth and properties of amorphous Ti-B-Si-N thin films deposited by hybrid HIPIMS/DC-magnetron co-sputtering from TiB₂ and Si targets, Surface & Coatings Technology 259 (2014) 442-447, DOI: 10.1016/j.surfcoat.2014.10.053, IF: 1,998.</p>	$(10 + 20 \times 1,998)/6 = 8,326$
	<p>2. L. BUDEANU, H. CHIRIAC, N. LUPU, M. NEAGU, F. BORZA, ANNEALING INFLUENCE, ON THE STRUCTURAL AND MAGNETIC PROPERTIES OF Fe_{73.5}Cu₁Nb₃Si_{13.5}B₉ POWDERS, Romanian Reports in Physics 68(2) (2016) 623-629, IF:1,467.</p>	$(10 + 20 \times 1,467)/6 = 6,556$



I. ACTIVITATEA DE CERCETARE (70%)	<p>3. E.A. Mikhailitsyna, V.A. Kataev, A. Larrañaga, V.N. Lepalovskij, A.P. Turygin, Microstructure and magnetic properties of $\text{Fe}_{72.5}\text{Si}_{14.2}\text{B}_{8.7}\text{Nb}_{2}\text{Mo}_{1.5}\text{Cu}_{1.1}$ thin films, <i>Journal of Magnetism and Magnetic Materials</i> 415 (2016) 61-65, DOI:10.1016/j.jmmm.2016.01.040, IF:2.630.</p> <p>4. H. A. Shivaee, F. Celegato, P. Tiberto, A. Castellero, M. Baricco, H. R. M. Hosseini, The effects of thickness on magnetic properties of FeCuNbSiB sputtered thin films, <i>Scientia Iranica</i> (2017) DOI: 10.24200/sci.2017.4429, IF:0.405.</p> <p>12. I.-L. Velicu, M. Neagu, M. Dobromir, D. Luca, N. Lupu, H. Chiriac, F. Borza, <i>Structural, Magnetic and Magnetoelastic Behaviour of FeCuNbSiB Thin Films</i>, <i>Sensor Letters</i> 10 (2012) 902-905, citat în:</p> <p>1. E. Tóth, N. Szabó, G. Csete, A. Király, P. Faragó, T. Spisák, K. Bencsik, L. Vécsei, Z. T. Kincses, <i>Gray Matter Atrophy Is Primarily Related to Demyelination of Lesions in Multiple Sclerosis: A Diffusion Tensor Imaging MRI Study</i>, <i>Frontiers in Neuroanatomy</i> 11 (2017), DOI:10.3389/fnana.2017.00023, IF: 3.267.</p> <p>13. I.-L. Velicu, M. Neagu, H. Chiriac, V. Tiron, M. Dobromir, <i>Structural and Magnetic Properties of FeCuNbSiB Thin Films Deposited by HiPIMS</i>, <i>IEEE Transactions on Magnetics</i> 48 (2012) 1336-1339, citat în:</p> <p>1. H. Fager, G. Greczynski, J. Jensen, J. Lu, L. Hultman, <i>Growth and properties of amorphous Ti-B-Si-N thin films deposited by hybrid HIPIMS/DC-magnetron co-sputtering from TiB_2 and Si targets</i>, <i>Surface & Coatings Technology</i> 259 (2014) 442-447, DOI: 10.1016/j.surfcoat.2014.10.053, IF: 1.998.</p> <p>2. A. Tayal, M. Gupta, A. Gupta, V. Ganesan, L. Behera, S. Singh, S. Basu, <i>Study of magnetic iron nitride thin films deposited by high power impulse magnetron sputtering</i>, <i>Surface & Coatings Technology</i> 275 (2015) 264-269, DOI:10.1016/j.surfcoat.2015.05.008, IF: 2.139.</p> <p>3. S. Cuynet, T. Lecas, A. Caillard, P. Brault, <i>An efficient way to evidence and to measure the metal ion fraction in high power impulse magnetron sputtering (HiPIMS) post-discharge with Pt, Au, Pd and mixed targets</i>, <i>Journal of Plasma Physics</i> 82(6) (2016) 695820601, DOI:10.1017/S0022377816001136, IF: 1.160.</p> <p>14. M. Neagu, M. Lozovan, M. Dobromir, I.-L. Velicu, C. Hison, <i>Permalloy Thin Films Obtained by Pulsed Laser Deposition: Magnetic and Galvanomagnetic Behaviour</i>, <i>Journal of Optoelectronics and Adv. Materials</i> 10 (2008) 632-634, citat în:</p> <p>1. R. Yang, X.M. Liu, H.L. Du, N.X. Sun, H. Lin, S.D. Li, <i>Self-biased microwave ferromagnetic performance of patterned $\text{Ni}_{80}\text{Fe}_{20}$ thin films</i>, <i>AIP Advances</i> 7(5) (2017), DOI:10.1063/1.4972799, IF: 1.568.</p>	<p>$(10 + 20 \times 2,630)/6 = 10,433$</p> <p>$(10 + 20 \times 0,405)/6 = 3,016$</p> <p>$(10 + 20 \times 3,267)/7 = 10,762$</p> <p>$(10 + 20 \times 1,998)/5 = 9,992$</p> <p>$(10 + 20 \times 2,139)/5 = 10,556$</p> <p>$(10 + 20 \times 1,160)/5 = 6,640$</p> <p>$(10 + 20 \times 1,568)/5 = 8,272$</p>
		Scor Individual 12: 379,301
	13. Lucrări susținute în calitate de invitat la manifestări științifice (conferințe, congrese, simpozioane)	Scor individual 13: 0,000
	14. Profesor/cercetător invitat la universități /institute de cercetare	Scor individual 14: 0,000
	15. Editor/Membru în Editorial Board & Advisory Board	Reviste internaționale și alte reviste ale Universității: editor, 15 puncte pentru fiecare revistă; membru, 10 puncte pentru fiecare revistă



	1. Editor asociat la Journal of Advanced Research in Physics (http://stoner.phys.uaic.ro/jarp/index.php?journal=jarp&page=about&op=editorialTeam)	10,000
		Scor individual 15: 10,000
	16. Premii internaționale obținute printr-un proces de selecție	100 puncte / categorie / număr de persoane
	1. Premiul oferit de Royal Society of Chemistry (U.K.) pentru cel mai bun poster pentru <i>FeCuNbSiB Thin Films Deposited by Pulsed Laser Deposition: Structural and Magnetic Properties</i> , M. Dobromir, L. I. Velicu, M. Neagu, H. Chiriac, Nanomaterials: Application & Properties, 16-21 septembrie 2013, Alushta, Ucraina.	100 / 4 = 25,000
	2. Honorable Mention oferită de comitetul de organizare pentru <i>FeCuNbSiB Thin Films Deposited by Pulsed Laser Deposition: Structural and Magnetic Properties</i> , M. Dobromir, I.-L. Velicu, M. Neagu, H. Chiriac, Nanomaterials: Application & Properties, 16-21 septembrie 2013, Alushta, Ucraina.	100 / 4 = 25,000
	3. Sponsor's Prize for the most original contribution presented by a young scientist pentru <i>Nanomechanical characterization of amorphous and nanocrystalline FeCuNbSiB thin films</i> , I.-L. Velicu, M. Neagu, L. Costinescu, V. Tiron, D. Munteanu, The 10 th International Conference on Physics of Advanced Materials – ICPAM-10, September 22-28 2014, Iasi, Romania (oral).	100 / 5 = 20,000
	4. Second Prize Winner in the Best Paper Competition at HiPIMS 2016 pentru <i>Copper thin films deposited under different power deliver modes and magnetron configurations: A comparative study</i> , I.-L. Velicu, V. Tiron, B.-G. Rusu, G. Popa, The 7 th International Conference on Fundamentals and Industrial Applications of HIPIMS, 27-30 June 2016, Sheffield, UK (oral).	100 / 4 = 25,000
		Scor individual 16: 95,000
	17. Premii ale Academiei Române	Scor individual 17: 0,000
	18. Alte premii naționale ale instituțiilor culturale	20 puncte / categorie / număr de persoane
	1. Mențiune pentru <i>Magneto-optical System for Kerr Rotation Measurement</i> , A.I. Bulai, I.L. Velicu, M. Neagu, V. Pohoata, B. Munteanu, a XXXIX-a Conferință Națională Fizica și Tehnologiile Educaționale Moderne, 2010, Iași, România (poster).	20 / 5 = 4,000
	2. Premiul al II-lea pentru <i>FeCuNbSiB Thin Films Deposited by RF Magnetron Sputtering</i> , I.L. Velicu, M. Dobromir, M. Neagu, H. Chiriac, D. Luca, N. Lupu, V. Pohoată, B. Munteanu, a XL-a Conferință Națională Fizica și Tehnologiile Educaționale Moderne, 12-14 mai 2011, Iași, România (oral).	20 / 8 = 2,500
	3. Premiul de excelență DOC-Paideia pentru teza de doctorat „Contribuții privind obținerea și caracterizarea straturilor subțiri amorfe și nanocristaline FeCuNbSiB”;	20,000
		Scor individual 18: 26,500



	19. Participări la manifestări științifice	 internaționale: membru comitet organizare, 15 puncte pentru fiecare activitate
	<ol style="list-style-type: none">1. Membru în comitetul local de organizare al conferinței 10th International Conference on Physics of Advanced Materials – ICPAM10, 22-28 septembrie 2014, Iasi, Romania.	15
	<ol style="list-style-type: none">2. Membru în comitetul local de organizare al școlii 1st Autumn School on Physics of Advanced Materials, 22-28 septembrie 2014, Iasi, Romania;3. Membru în comitetul local de organizare al conferinței 11th International Conference on Physics of Advanced Materials – ICPAM11, 8-14 septembrie 2016, Cluj-Napoca, Romania.4. Membru în comitetul local de organizare al școlii 2nd Autumn School on Physics of Advanced Materials, 8-14 septembrie 2016, Cluj-Napoca.	15 15 15
		 internaționale: raportor pe secțiuni/paneluri, 10 puncte pentru fiecare activitate.
	<ol style="list-style-type: none">1. I.-L. Velicu, V. Tiron, I. Mihaila, C. Costin, <i>Pulsed magnetron sputtering: the role of the applied power on W coatings properties</i>, The 16th International Conference on Global Research and Education, September 25-28, 2017, Iasi, Romania (poster).2. I.-L. Velicu, V. Tiron, G. Popa, <i>High Power Impulse Magnetron Sputtering: An overview on the benefits of ultra-short pulse operating mode</i>, The XXXIII International Conference on Phenomena in Ionized Gases – ICPIG 2017, July 9-14 2017, Lisbon, Portugal (oral).3. V. Tiron, I.-L. Velicu, N. Lupu, D. Cristea, G. Stoian, D. Munteanu, <i>Influence of ion-to-metal flux ratio on the mechanical and tribological properties of TiN coatings deposited by HIPIMS</i>, The 8th International Conference on Fundamentals and Industrial Applications of HIPIMS, 13-14 June 2017, Braunschweig, Germany (poster).4. I.-L. Velicu, V. Tiron, C. Porosnicu, I. Burducea, G. Popa, D. Munteanu, <i>Enhanced properties of Tungsten thin films deposited with a novel HiPIMS approach</i>, The 11th International Conference on Physics of Advanced Materials – ICPAM-11, September 8-14, 2016, Cluj-Napoca, Romania (poster).5. V. Tiron, I.-L. Velicu, I. Mihaila, G. Popa, <i>Optimization of deposition rate in HiPIMS through the control of magnetic field and pulsing configuration</i>, The 7th International Conference on Fundamentals and Industrial Applications of HIPIMS, 27-30 June 2016, Sheffield, UK (poster).6. I.-L. Velicu, V. Tiron, B.-G. Rusu, G. Popa, <i>Copper thin films deposited under different power deliver modes and magnetron configurations: A comparative study</i>, The 7th International Conference on Fundamentals and Industrial Applications of HIPIMS, 27-30 June 2016, Sheffield, UK (oral).7. V. Tiron, I.-L. Velicu, D. Stanescu, H. Magnan, L. Sirghi, <i>Synthesis and Characterization of Nitrogen-Doped ZnO with High Visible Light Activity</i>, European-Material Research Society E-MRS, 2-6 May 2016, Lille, France (poster).8. V. Tiron, I.-L. Velicu, O. Vasilovici, G. Popa, <i>Optimization of deposition rate in High Power Impulse Magnetron Sputtering</i>, The XXXII International Conference on Phenomena in Ionized Gases – ICPIG 2015, July 26-31 2015, Iasi, Romania (poster).	10 10 10 10 10 10 10 10



	<p>9. V. Tiron, I.-L. Velicu, O. Vasilovici, M. Dobromir, C. Costin, G. Popa C. Porosnicu, I. Jepu, P. Dinca, C. P. Lungu, M. Straticiu, I. Burducea, <i>HiPIMS technique used for fusion related mixed materials</i>, The XXXII International Conference on Phenomena in Ionized Gases, July 26-31 2015, Iasi, Romania (poster).</p> <p>10. V. Tiron, I.-L. Velicu, C. Costin, G. Popa, C. Porosnicu, M. Straticiu, I. Burducea, C. Lungu, <i>Nitrogen Containing Tungsten Coatings Obtained by HiPIMS as Plasma Facing Materials for Fusion Applications</i>, The 10th International Conference on Physics of Advanced Materials, September 22-28 2014, Iasi (poster).</p> <p>11. V. Tiron, I.-L. Velicu, N. Becherescu, M. Ganciu, G. Popa, <i>HiPIMS process optimization by external pulsed magnetic field</i>, the 10th International Conference on Physics of Advanced Materials – ICPAM-10, September 22-28 2014, Iasi, Romania (poster).</p> <p>12. I.-L. Velicu, M. Neagu, L. Costinescu, V. Tiron, D. Munteanu, <i>Nanomechanical characterization of amorphous and nanocrystalline FeCuNbSiB thin films</i>, the 10th International Conference on Physics of Advanced Materials – ICPAM-10, September 22-28 2014, Iasi, Romania (oral).</p> <p>13. V. Tiron, O. Vasilovici, I.-L. Velicu, V. Nica, C. Costin, G. Popa, <i>Multi-pulse reactive HiPIMS advantages for TiO₂ deposition</i>, ESCAMPIG XXII, Greifswald, Germany, July 15-19, 2014 (poster).</p> <p>14. L. Budeanu, H. Chiriac, M. Neagu, I.-L. Velicu, <i>Magnetic and structural characterization of powders obtained by mechanical grinding of Fe_{73.5}Cu₁Nb₃Si_{13.5}B₉ ribbons</i>, 10th European Conference on Magnetic Sensors and Actuators – EMSA 2014, July 6-9, 2014, Viena, Austria (poster).</p> <p>15. I.-L. Velicu, M. Neagu, L. Costinescu, E. Hristoforou, V. Tiron, D. Munteanu, <i>Nanoindentation measurement of hardness and Young's modulus of amorphous and nanocrystalline FeCuNbSiB thin films</i>, 10th European Conference on Magnetic Sensors and Actuators – EMSA 2014, July 6-9, 2014, Viena, Austria (poster).</p> <p>16. I.-L. Velicu, M. Neagu, V. Tiron, V. Nica, H. Chiriac, <i>Fe_{73.5}Cu₁Nb₃Si_{13.5}B₇ Thin Films Deposited by HiPIMS: Magnetic and Magnetostrictive Behaviour</i>, 4th International Conference on Superconductivity and Magnetism – ICSM 2014, 27th April – 2nd May, 2014 Antalya, Turcia (poster).</p> <p>17. M. Dobromir, I.-L. Velicu, M. Neagu, H. Chiriac, <i>FeCuNbSiB Thin Films Deposited by Pulsed Laser Deposition: Structural and Magnetic Properties</i>, Nanomaterials: Application & Properties – NAP 2013, 16-21 septembrie 2013, Alushta, Ucraina (poster).</p> <p>18. V. Tiron, C. Vitelar, I.-L. Velicu, F. Ghiorghiu, G. Popa, <i>On transport phenomena in high power pulse unbalanced magnetron discharge with additional external magnetic field</i>, The XXXI International Conference on Phenomena in Ionized Gases – ICPIG 2013, July 14-19 2013, Granada, Spania (poster).</p> <p>19. V. Tiron, I.-L. Velicu, F. Ghiorghiu, G. Popa, <i>The effect of the additional magnetic field and gas pressure on the sheath region of a high power impulse magnetron sputtering discharge</i>, 16th International Conference on Plasma Physics and Applications, June 20-25 2013, Magurele, București, Romania (poster).</p> <p>20. V. Tiron, I.-L. Velicu, C. Costin, G. Popa, <i>Dynamics of the fast - HiPIMS discharge during FINEMET – type films deposition</i>, The 4th International Conference on Fundamentals and Industrial Applications of HIPIMS, June 12-13 2013, Braunschweig, Germania (oral).</p> <p>21. I.-L. Velicu, M. Kowalczyk, M. Neagu, V. Tiron, H. Chiriac, J. Ferenc, <i>FINEMET-type thin films deposited by HiPIMS: influence of growth and annealing conditions on the magnetic behaviour</i>, The 9th International Conference on Physics of Advanced Materials, September 20-23 2012, Iasi, Romania (poster).</p>	<p>10</p> <p>10</p> <p>10</p> <p>10</p> <p>10</p> <p>10</p> <p>10</p> <p>10</p> <p>10</p> <p>10</p> <p>10</p> <p>10</p> <p>10</p> <p>10</p> <p>10</p> <p>10</p> <p>10</p> <p>10</p> <p>10</p> <p>10</p> <p>10</p>
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	<p>22. E.P. Koumoulos, I.-L. Velicu, V.P. Tsikourkitoudi, C.A. Charitidis, M. Neagu, V. Tiron, <i>Nanomechanical properties of FINEMET-type thin films deposited by HiPIMS for sensing applications</i>, The 9th International Conference on Nanosciences & Nanotechnologies (NN12), July 3-6 2012, Thessaloniki, Grecia (poster).</p> <p>23. M. Dobromir, I.-L. Velicu, M. Neagu, H. Chiriac, <i>Structural and magnetic properties of pulsed laser deposited FeCuNbSiB thin films</i>, International Conference on Materials and Applications for Sensors and Transducers – IC-MAST 2012, May 24-28, 2012, Budapesta, Ungaria (poster).</p> <p>24. I.-L. Velicu, M. Neagu, H. Chiriac, V. Tiron, M. Dobromir, V. Pohoată, B. Munteanu, <i>Effect of preparation conditions on the magnetic properties of FeCuNbSiB thin films</i>, The 10th International Conference on Global Research and Education – inter-Academia, September 26-29, 2011, Sucevița (oral / poster).</p> <p>25. I.-L. Velicu, M. Neagu, H. Chiriac, V. Tiron, M. Dobromir, <i>Structural and Magnetic Properties of FeCuNbSiB Thin Films Deposited by HiPIMS</i>, The 20th Soft Magnetic Materials Conference, September 18-22, 2011, Kos, Grecia (poster).</p> <p>26. I.-L. Velicu, M. Neagu, N. Lupu, H. Chiriac, V. Tiron, M. Dobromir, <i>FeCuNbSiB thin films deposited by HiPIMS: annealing influence on the structural and magnetic properties</i>, The 5th International Workshop on Amorphous and Nanostructured Magnetic Materials – ANMM, September 5-7, 2011, Iasi, Romania (poster).</p> <p>27. M. Neagu, M. Dobromir, H. Chiriac, C. Agheorghiesei, B. Munteanu, V. Pohoată, I.-L. Velicu, A. Bulai, <i>Ferromagnetic resonance studies in FeSiB amorphous thin films</i>, The 8th European Conference on Magnetic Sensors and Actuators, July 4-7, 2010, Bodrum, Turkey (poster).</p> <p>28. I.-L. Velicu, M. Neagu, M. Dobromir, D. Luca, H. Chiriac, A. Bulai, F. Borza, S. Stratulat, <i>Structural, magnetic and magnetoelastic behaviour of FeCuNbSiB thin films</i>, The 8th European Conference on Magnetic Sensors and Actuators, July 4-7, 2010, Bodrum, Turkey (poster).</p> <p>29. M. Dobromir, M. Neagu, I.-L. Velicu, D. Luca, H. Chiriac, N. Lupu, A. Bulai, V. Dascalescu, <i>The influence of thermal treatments on the magnetic behavior of FeCuNbSiB thin films</i>, The XVth International Conference on Plasma Physics and Applications, July 1-4, 2010, Iasi, Romania (poster).</p> <p>30. M. Neagu, M. Dobromir, F. Borza, H. Chiriac, I.-L. Velicu, M. Grigoras, <i>Thermal optimization of the magnetic properties of pulsed laser deposited FeCuNbSiB thin films</i>, The 19th Soft Magnetic Materials Conference, September 6-9, 2009, Torino, Italia (poster).</p> <p>31. M. Dobromir, M. Neagu, D. Luca, B. Munteanu, I.-L. Velicu, A. Bulai, <i>The XPS study and magnetic properties of FeCuNbSiB amorphous thin films</i>, The 10th International Balkan Workshop on Applied Physics, July 6-8, 2009, Constanta, Romania (poster).</p> <p>32. M. Dobromir, M. Neagu, H. Chiriac, C. Agheorghiesei, G. Ababei, V. Pohoata, I.-L. Velicu, <i>Ferromagnetic resonance studies in FeSiB amorphous thin films</i>, 10th International Balkan Workshop On Applied Physics, July 6-8, 2009, Constanta, Romania (poster).</p> <p>33. D. Mihăilescu, C. Munteanu, C. Aniculăesei, I.-L. Velicu, <i>Backscattering Coefficients For 8-32 Kev Electrons: A Monte Carlo Investigation</i>, International Physics Conference TIM-08, November 27-28, 2008, Timișoara, Romania (poster).</p> <p>34. M. Neagu, M. Dobromir, C. Agheorghiesei, S. Stratulat, I.-L. Velicu, C. Hison, <i>Ellipsometric and Magneto-optical Investigation of FeSiB Amorphous Thin Films</i>, The 4th International Workshop Amorphous and Nanostructured Magnetic Materials – ANMM, August 29-31, 2007, Iași, Romania (poster).</p>	<p>10</p> <p>10</p> <p>10</p> <p>10</p> <p>10</p> <p>10</p> <p>10</p> <p>10</p> <p>10</p> <p>10</p> <p>10</p> <p>10</p> <p>10</p> <p>10</p>
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	<p>35. M. Dobromir, M. Neagu, G. Popa, S. Stratulat, I.-L. Velicu, <i>Ellipsometric investigation of Fe-based amorphous thin films: experiment and simulation</i>, 8th International Balkan Workshop on Applied Physics, July 3-5, 2007, Constanța, Romania (poster).</p> <p>36. M. Neagu, M. Lozovan, M. Dobromir, I.-L. Velicu, C. Hison, <i>Permalloy Thin Films Obtained by Pulsed Laser Deposition: Magnetic and Galvanomagnetic Behaviour</i>, The 8th International Balkan Workshop on Applied Physics, July 3-5, 2007, Constanța, Romania (poster).</p> <p>37. M. Dobromir, M. Neagu, I.-L. Velicu, M. Lozovan, G. Popa, H. Chiriac, <i>Magnetic Behavior of Permalloy Thin Films Obtained by Pulsed Laser Deposition</i>, IEEE ROMSC, May 26-29, 2007, Iași, Romania (poster).</p> <p>38. M.-A. Ciolan, I.-L. Velicu, M.-E. Macsim, D. Luca, <i>A computer-controlled goniometer for contact angle measurements</i>, International Conference on Fundamental and Applied Research in Physics – FARPhys, October 26-29, 2005, Iași, Romania (poster).</p>	10
		10
		10
		10
		naționale: raportor pe secțiuni/paneluri, 2 puncte pentru fiecare activitate.
	1. D. Zanoschi, A. Ceban, T. Cîmpeanu I.-L. Velicu , <i>Study on the diamagnetic behavior of water</i> , The 46 th National Conference on Physics and Modern Education Technologies – FTEM 2017, May 19-20, 2017, Iași, Romania (poster).	2
	2. I.-L. Velicu , V. Tiron, G. Popa, <i>FINEMET-type thin films obtained by HiPIMS: influence of deposition conditions on the deposition rate</i> , The 5 th National Conference of Applied Physics – CNFA 2013, May 23-24 2013, Iași, Romania (poster).	2
	3. I.-L. Velicu , V. Tiron, G. Popa, <i>Onset of sustained self-sputtering regime in HiPIMS discharge for growing FINEMET-type thin films</i> , Conferința Școlilor Doctorale, October 19, 2012, Iași, Romania (oral).	2
	4. I.-L. Velicu , M. Neagu, <i>FeCuNbSiB thin films deposited by HiPIMS: influence of deposition conditions and thermal treatment</i> , Conferința Școlilor Doctorale, October 21, 2011, Iași, Romania (oral).	2
	5. I.-L. Velicu , M. Dobromir, M. Neagu, H. Chiriac, D. Luca, N. Lupu, V. Pohoăț, B. Munteanu, <i>FeCuNbSiB thin films deposited by RF magnetron sputtering</i> , a XL-a Conferința Națională Fizică și Tehnologiile Educaționale Moderne – FTEM, May 12-14, 2011, Iași, Romania (oral).	2
	6. M. Dobromir, M. Neagu, H. Chiriac, A. Bulai, I.-L. Velicu , F. Borza, <i>Ellipsometric investigation of Fe-based amorphous thin films</i> , National Conference on Physics, September 23-25, 2010, Iași, Romania (poster).	2
	7. A. Bulai, I.-L. Velicu , M. Neagu, V. Pohoăț, B. Munteanu, <i>Magneto-optical System for Kerr Rotation Measurement</i> , a XXXIX-a Conferință Națională Fizică și Tehnologiile Educaționale Moderne, May 15, 2010, Iași, Romania (poster).	2
	8. S. Stratulat, I.-L. Velicu , A. Bulai, B. Munteanu, H. Chiriac, M. Neagu, <i>Magnetostrictive behaviour in amorphous magnetic thin films</i> , a XXXIX-a Conferință Națională Fizică și Tehnologiile Educaționale Moderne, May 15, 2010, Iași, Romania (poster).	2
		Scor individual 19: 456,000
TOTAL ACTIVITATE DE CERCETARE		1 597,841
I. ACTIVITATEA	1. Tratatate și manuale universitare	Scor individual 1: 0,000



DIDACTICĂ (30%)	2.Proiecte didactice (înființare/dotare laboratoare licență, master, săli workshop, biblioteci proprii)	Scor individual 2: 0,000
	3. Materiale suport curs, seminar, lucrări practice și programe analitice detaliate	10 puncte pentru fiecare activitate
	1. Materiale suport pentru seminarul de <i>Fizică Moleculară și căldură</i> .	10
	2. Materiale suport pentru seminarul de <i>Mecanică clasică</i> .	10
	3. Materiale suport pentru cursul de <i>Rezolvare de probleme</i> .	10
	4. Materiale suport pentru seminarul de <i>Rezolvare de probleme</i> .	10
		Scor individual 3: 40,000
	4. Organizare de aplicații și practică de specialitate	5 puncte pentru fiecare activitate
	1. Organizare practică de specialitate pentru studenții ciclului de Licență în laboratorul de Fizica Plasmei.	5
	2. Organizare practică de specialitate pentru studenții ciclului de Master în laboratorul de Fizica Plasmei.	5
		Scor individual 3: 10,000
TOTAL ACTIVITATE DIDACTICĂ		50
FINAL		$1\,597,841 * 0,7 + 50 * 0,3 =$ 1133,488

Ioana-Laura VELICU