

**Anexa nr. 1****CS II dr. ing. Sorin TAȘCU**

Formularul de auto-evaluare a performanțelor, în vederea obținerii unei gradații de merit

**Centrul de Cercetare în Domeniul Materialelor și Tehnologiilor Avansate - RAMTECH**

Departamentul de Științe Exacte și Științe ale Naturii,  
Institutul de Cercetări Interdisciplinare

**Punctaj Criteriul I = 1844,56**

**Punctaj Criteriul II = 352**

<b>I. ACTIVITATEA DE CERCETARE</b>	<b>1844,56</b>
<b>1. Articole științifice publicate <i>in extenso</i> în reviste cotate <i>Web of Science</i></b>	<b>496,42</b>
a) în calitate de autor principal: (60 puncte x AIS) + 25	<b>426,3</b>
A. P. Rambu, V. Tiron, E. Oniciuc, <b>S. Tascu</b> "Spontaneous Polarization Reversal Induced by Proton Exchange in Z-Cut Lithium Niobate $\alpha$ -Phase Channel Waveguides" Materials vol. 14 (23), 7127, 2021. <b>AIS=0,595</b>	60.7
AP Rambu, AM Apetrei, F Doutre, H Tronche, V Tiron, M de Micheli, <b>S Tascu</b> , Lithium niobate waveguides with high-index contrast and preserved nonlinearity fabricated by a high vacuum vapor-phase proton exchange, Photonics Research, Volume 8, Issue 1, Page 8-16, 2020 <b>AIS=1,580</b>	119.8
A. M. Apetrei, A. P. Rambu, <b>S. Tascu</b> , Evaluation of low index contrast in lithium niobate waveguides at telecom wavelengths, Optics and Laser Technology, vol. 111, pp 156–162, 2019 <b>AIS=0,537</b>	57.22
A.P. Rambu, A.M. Apetrei, <b>S. Tascu</b> , Role of the high vacuum in the precise control of index contrasts and index profiles of LiNbO3 waveguides fabricated by High Vacuum Proton Exchange, Optics and Laser Technology, vol. 118, pp 109–114, 2019 <b>AIS=0,537</b>	57.22



A. P. Rambu, A. M. Apetrei, F. Doutre, H. Tronche, M. de Micheli, <b>S. Tascu</b> , Analysis of High-Index Contrast Lithium Niobate Waveguides Fabricated by High Vacuum Proton Exchange, Journal of Lightwave Technology, vol. 36 (13), pp. 2675-2684, 2018 <b>AIIS=0,795</b>	72.7
A. M. Apetrei, A. P. Rambu, C. Minot, J-M. Moison, N. Belabas, <b>S. Tascu</b> , Anomalous angular dispersion in lithium niobate one-dimensional waveguide array in the near-infrared wavelength range, Journal of Applied Physics, vol. 121, pp 073101 (6pp), 2017 <b>AIIS=0,561</b>	58,66
<b>b) în calitate de co-autor (60 puncte x AIS + 25)/ număr autori</b>	<b>70,12</b>
David Barral, Virginia D'Auria, Florent Doutre, Tommaso Lunghi, Sébastien Tanzilli, Alicia Petronela Rambu, <b>Sorin Tascu</b> , Juan Ariel Levenson, Nadia Belabas, Kamel Bencheikh, Supermode-based second harmonic generation in a nonlinear interferometer, Optics Express, Vol. 29, Issue 23, pp. 37175-37188, 2021 <b>AIIS=0.845</b>	7.57
X Hua, T Lunghi, F Doutre, P Vergyris, G Sauder, P Charlier, L Labonte, V D'Auria, A Martin, <b>S Tascu</b> , MP De Micheli, S Tanzilli, O Alibart, Configurable heralded two-photon Fock-states on a chip, Optics Express, Volume 29, Issue 1, Page 415-424, 2021 <b>AIIS=0.845</b>	5.82
T Sekrafi, B Bouricha, Z Denden, <b>S Tascu</b> , A Labidi, H Nasri, C Dridi, Development of Cost-Effective, Selective and Stable Room Temperature Methanol Sensor, IEEE Sensors Journal, Volume 21, Issue 3, Page 2589-2596, 2021 <b>AIIS=0.612</b>	8.81
M Airimioaei, VA Lukacs, I Lisiecki, P Beaunier, J Blanchard, D Lutic, <b>S Tascu</b> , P Postolache, CE Ciomaga, M Olariu, L Mitoseriu, Biomorphic tubular nickel oxide structures: Effect of the synthesis parameters on their structural and functional properties, surface-related applications, Journal of Alloys and Compounds, Volume 816, Article Number 152543, 2020. <b>AIIS=0.716</b>	6.17
T. Sekrafi, Z. Denden, F. Tudorache, <b>S. Tascu</b> , H Nasri, C Dridi, ZnTTP electrical properties and application in humidity sensor development, Superlattices and Microstructures, Volume 140, Article Number 106462, 2020 <b>AIIS=0.357</b>	7.73
C. E. Ciomaga, M. Airimioaei, I. Turcan, A. V. Lukacs, <b>S. Tascu</b> , M. Grigoras, N. Lupu, J. Banys, L. Mitoseriu "Functional properties of percolative CoFe <sub>2</sub> O <sub>4</sub> -PbTiO <sub>3</sub> composite ceramics, Journal of Alloys and Compounds vol. 775, pp 90-99, 2019 <b>AIIS=0.629</b>	6.97
M. Glod, D. Damir, S. Nichitus, G. Calin, L. D. Duceac, D. L. Gorgan, <b>S. Tascu</b> , M. I. Ciuhodaru, "ZnO and TiO <sub>2</sub> Nanoparticles Genotoxicity According to their Structural and Morphological Characteristics Used for Medical Purposes" Revista de Chimie, vol 69, Issue 3, Pages 609-611, 2018. <b>AIIS=0</b>	3.12
T. Lunghi, F. Doutre, A. P. Rambu, M. Bellec, M. P. de Micheli, A. M. Apetrei, O. Alibart, N. Belabas, <b>S. Tascu</b> , S. Tanzilli "Broadband integrated beam splitter using spatial adiabatic passage" Optics Express Vol. 26, No. 21, pp. 27058-27063, 2018, <b>AIIS=0.826</b>	7.45
F. Gheorghiu, C. E. Ciomaga, M. Simenas, M. Airimioaei, S. Qiao, <b>S. Tascu</b> , V. Kalendra, J. Banys, O. G. Avadanei, L. Mitoseriu "Preparation and functional characterization of magnetoelectric Ba(Ti <sub>1-x</sub> Fe <sub>x</sub> )O <sub>3-x/2</sub> ceramics. Application for a miniaturized resonator antenna, Ceramics International Vol. 44, Issue 17, pp 20862-20870, 2018 <b>AIIS=0.454</b>	5.22



V. Tiron, I-L. Velicu, I. Pana, D. Cristea, B. G. Rusu, P. Dinca, C. Porosnicu, E. Grigore, D. Munteanu, <b>S. Tascu</b> " <i>HiPIMS deposition of silicon nitride for solar cell application</i> " Surface & Coatings Technology vol. 344, pp. 197–203, 2018 <b>AIS=0.512</b>	5.57
F. Gheorghiu, M. Simenas, C. Ciomaga, M. Airimioaei, V. Kalendra, J. Banys, M. Dobromir, <b>S. Tascu</b> , L. Mitoseriu "Preparation and structural characterization of Fe-doped BaTiO <sub>3</sub> diluted magnetic ceramics" Ceramics International, vol. 43 (13), pp 9998-10005, 2017 <b>AIS=0.437</b>	5.69
<b>2. Cărți științifice de autor (monografii, tratate, îndrumare, culegeri) publicate (pentru prima ediție*) în edituri:</b>	
în străinătate: 30 puncte la 100 pagini / număr autori, indexate WorldCat	
în țară acreditate de CNCS: 40 puncte la 100 pagini / număr autori	
*pentru edițiile revizuite și adăugite, se va acorda jumătate din punctaj.	
<b>3. Contracte de cercetare științifică obținute prin competiție derulate în ultimii 5 ani prin Universitate</b>	<b>496,5</b>
a) <i>Finanțare Internațională sau Națională</i>	
director de proiect: 100 puncte x (valoare grant în euro)/ 100.000 euro	
<b>Titlu Proiect:</b> Circuite cuantice integrate bazate pe rețele de ghiduri neliniare, Acronim INQCA Programul: Idei, Proiecte comune de cercetare Romania-Franta. Contract de Finantare Nr. 23/Ro-Fr/12.01.2015 <b>Perioada implementare:</b> 2015-2017 <b>Buget în Euro= 250.000 conform contract</b>	250
<b>Titlu Proiect:</b> Interacțiuni optice parametrice în configurație contra-propagativă pentru fotonică cuantică cu stări bi-fotonice cu timp de coerență mare, Acronim Program: Proiecte de cercetare exploratorie (PCE) Contract de Finantare 142/15.02.2021 <b>Perioada implementare:</b> 2021-2023 <b>Buget în Euro: 1.198.018 lei = 246.505 euro la data contractării – Curs BNR</b>	246,5
membru echipa proiect: 25 puncte x (valoare grant în euro)/ 100.000euro/nr. membri echipă	
<b>4. Brevete</b>	
internaționale: 75 puncte / număr autori	
naționale: 25 puncte / număr autori	
<b>5. Produse și/sau servicii inovative cu impact economic demonstrabil prin documente emise de autorități legale (OSIM, RENAR, ASRO)</b>	



în străinătate: 40 puncte / număr autori		
în țară: 30 puncte / număr autori		
<b>6. Citări și recenzii ale creației de autor obținute în ultimii 5 ani (exclus autocitări/ o citare se va cuantifica o singură dată)</b>		<b>769,24</b>
în reviste de specialitate Indexate Web of Science: (10 + 20 x AIS) / număr autori; AIS este al revistei care citează		
<b>Articol</b>	T. Sekrafi, Z. Denden, F.Tudorache, S.Tascu. H.Nasri, C.Dridi, ZnTTP electrical properties and application in humidity sensor development, Superlattices and Microstructures, Volume 140, Article Number 106462, 2020	<b>6.51</b>
<b>Citat de</b>		
R Akram, M Yaseen, Z Farooq, A Rauf, ZM Almohaimeed, M Ikram, Q Zafar, Capacitive and Conductometric Type Dual-Mode Relative Humidity Sensor Based on 5,10,15,20-tetra Phenyl Porphyrinato Nickel (II) (TPPNi), Polymers, Volume 13, Issue 19, Article Number 3336, 2021 <b>AIS=0.597</b>		3.65
N Kilinc, AS Ahsen, ZZ Ozturk, Electrical and NO(2)Sensing Properties of a Series of Liquid Crystalline Porphyrins, ECS Journal of Solid State Science and Technology, Volume 9, Issue 6, Article Number 061027, 2020 <b>AIS=0.358</b>		2.86
<b>Articol</b>	M.Airimioaei, V.A.Lukacs, I.Lisiecki, P.Beaunier, J.Blanchard, D.Lutic, S.Tascu, P.Postolache, CECiomaga, M.Olariu, L.Mitoseriu, Biomorphic tubular nickel oxide structures: Effect of the synthesis parameters on their structural and functional properties, surface-related applications, Journal of Alloys and Compounds, Volume 816, Article Number 152543, 2020	<b>3.02</b>
<b>Citat de</b>		
VA Lukacs, G Caruntu, O Condurache, CE Ciomaga, LP Curecheriu, L Padurariu, M Ignat, M Airimioaei, G Stoian, A Rotaru, L Mitoseriu, Preparation and properties of porous BaTiO3 nanostructured ceramics produced from cuboidal nanocrystals, Ceramics International, Volume 47, Issue 13, Page 18105-18115, 2021 <b>AIS=0.545</b>		1.9
D Jeremic, L Andjelkovic, MR Milenkovic, M Suljagic, MS Ristovic, S Ostojic, AS Nikolic, P Vulic, I Brceski, V Pavlovic, One-Pot Combustion Synthesis of Nickel Oxide and Hematite: from Simple Coordination Compounds to High Purity Metal Oxide Nanoparticles, Science of Sintering,		1.12



Volume 52, Issue 4, Page 481-490, 2020 <b>AIS=0.118</b>		
<b>Articol</b>	A.P.Rambu, A.M.Apetrei, F.Doutre, H.Tronche, V.Tiron, M.de Michele, <b>S.Tascu</b> , Lithium niobate waveguides with high-index contrast and preserved nonlinearity fabricated by a high vacuum vapor-phase proton exchange, Photonics Research, Volume 8, Issue 1, Page 8-16, 2020	<b>21.99</b>
<b>Citat de</b>		
C.C.Kores, C.Canalias, F.Laurell, Quasi-phase matching waveguides on lithium niobate and KTP for nonlinear frequency conversion: A comparison, APL Photonics, Volume 6, Issue 9, Article number 091102, 2021 <b>AIS=1.776</b>		6.50
DE Smalley, S Jolly, GE Favalora, MG Moebius, Status of Leaky Mode Holography, Photonics, Volume 8, Issue 8, Article Number 292, 2021 <b>AIS=0.505</b>		2.87
M Neradovskiy, H Tronche, D Chezganov, E Pashnina, E Vlasov, P Baldi, T Lunghi, V Shur, F Doutre, M De Micheli, Nonlinear Characterization of Waveguide Index Profile: Application to Soft-Proton-Exchange in LiNbO <sub>3</sub> , Journal of Lightwave Technology, Volume 39, Issue 14, Page 4695-4699, 2021 <b>AIS=0.875</b>		3.93
O Danila, D Manaila-Maximean, Bifunctional Metamaterials Using Spatial Phase Gradient Architectures: Generalized Reflection and Refraction Considerations, Materials, Volume 14, Issue 9, Article Number 2201, 2021 <b>AIS=0.595</b>		3.13
J.Jia, M. Guo, C.Liu, Y.Ren, G.Zhao, Preparation of lithium niobate optical thin film and patterned microstructure via chemical modification Ceramics International, DOI 10.1016/j.ceramint.2021.10.154, 2021 <b>AIS=0.545</b>		2.98
V.Tiron, I.-L.Velicu, T.Matei, D.Cristea, L.Cunha, G.Stoian, Ultra-short pulse HiPIMS: A strategy to suppress arcing during reactive deposition of SiO <sub>2</sub> thin films with enhanced mechanical and optical properties, Coatings, Volume 10, Issue 7, Article number 633, 2020 <b>AIS=0.405</b>		2.58
<b>Articol</b>	C.E.Ciomaga, M.Airimioaei, I.Turcan, A.V.Lukacs, <b>S.Tascu</b> , M.Grigoras, N.Lupu, J.Banys, L.Mitoseriu, Functional properties of percolative CoFe <sub>2</sub> O <sub>4</sub> -PbTiO <sub>3</sub> composite ceramics, Journal of Alloys and Compounds, Volume 775, Page 90-99, 2019	<b>32.83</b>
<b>Citat de</b>		
L Frolova, K Sukhyy, Investigation of the ferritization process in the Co <sup>2+</sup> -Fe <sup>2+</sup> -SO <sub>4</sub> <sup>2-</sup> -OH <sup>-</sup> system under the action of contact non-equilibrium low-temperature plasma, Applied Nanoscience, DOI 10.1007/s13204-021-01755-1, Early Access MAR 2021 <b>AIS=0.561</b>		2.35
SNasrin, MSharmin, MA Matin, AKMA Hossain, MD Rahaman, Study the impact of sintering temperature on electromagnetic properties of (1-y) [Ba <sub>0.9</sub> Ca <sub>0.1</sub> Zr <sub>0.1</sub> Ti <sub>0.9</sub> O <sub>3</sub> ](y)		1.85



[Ni <sub>0.25</sub> Cu <sub>0.13</sub> Zn <sub>0.62</sub> Fe <sub>2</sub> O <sub>4</sub> ] composites, Applied Physics A-Materials Science & Processing, Volume 127, Issue 1, Article Number 59, 2021 <b>AIS=0.333</b>	
Y.Zhao, J.Zhu, H.Wang, G. Shao, K.Yang, Z.Ma, L.Gao, Y.Shu, J.He, Regulatory Effect of Oxygen Vacancy on Microstructure of La <sub>0.9</sub> Sr <sub>0.1</sub> TiO <sub>3+δ</sub> Layer Perovskite Ceramics, Journal of the Chinese Ceramic Society, Volume 49, Issue 4, Pages 633 – 638, 2021 <b>AIS=0</b>	1.11
Z.Zeng, R.Xu, L.Cheng, J.Liu, H.Wu, X.Qin, S.Xing, X.Deng, R.Gao, Structure, dielectric, magnetic and magnetoelectric coupling properties of xPbTiO <sub>3</sub> /(1-x)NiFe <sub>2</sub> O <sub>4</sub> composite ceramics, Processing and Application of Ceramics, Volume 14, Issue 3, Pages 223 – 230, 2020 <b>AIS=0.252</b>	1.67
S.Si, H.Deng, T.Wang, D.Zheng, P.Yang, J.Chu, Structural, optical, and enhanced multiferroic properties of xCoFe <sub>2</sub> O <sub>4</sub> -(1-x)K <sub>0.5</sub> Bi <sub>0.5</sub> TiO <sub>3</sub> ferrite-ferroelectric composites, Journal of Materials Science: Materials in Electronics, Volume 31, Issue 13, Pages 10639 – 10648, 2020 <b>AIS=0.283</b>	1.74
J Camargo, AP Espinosa, F Zabotto, L Ramajo M, Castro, Magnetoelectric interactions in bismuth sodium-potassium titanate-nickel cobalt ferrite lead-free composite ceramics, Journal of Alloys and Compounds, vol. 826, article no. 154129, 2020 <b>AIS=0.716</b>	2.70
N.Boda, K.C.B.Naidu, D.B.Basha, D. Ravinder, Structural and Magnetic Properties of CdCoFe <sub>2</sub> O <sub>4</sub> Nanoparticles, Journal of Superconductivity and Novel Magnetism, Volume 33, Issue 4, Pages 1039 – 10441, 2020 <b>AIS=0.207</b>	1.57
Z.Zeng, H.Wu, C.Zhou, X.Qin, J.He, C.Ji, X.Deng, R.Gao, C.Fu, W.Cai, G.Chen, Z. Wang, Effect of sintering temperature on magnetoelectric properties of PbTiO <sub>3</sub> /NiFe <sub>2</sub> O <sub>4</sub> composite ceramics, Journal of Asian Ceramic Societies, Volume 8, Issue 4, Pages 1206 – 1215, 2020 <b>AIS=0.547</b>	2.32
A.A.Momin, R.Parvin, M.Shahjahan, M.F.Islam, H.Tanaka, A.K.M.A. Hossain, Interplay between the ferrimagnetic and ferroelectric phases on the large magnetoelectric coupling of xLi <sub>0.1</sub> Ni <sub>0.2</sub> Mn <sub>0.6</sub> Fe <sub>2.1</sub> O <sub>4</sub> -(1 - x)Bi <sub>0.8</sub> Dy <sub>0.2</sub> FeO <sub>3</sub> composites, Journal of Materials Science: Materials in Electronics, Volume 31, Issue 1, Pages 511 – 525, 2020 <b>AIS=0.283</b>	1.74
C.E.Ciomaga, A.Guzu, M.Airimioaei, L.P. Curecheriu, V.A.Lukacs, O.G.Avadanei, G.Stoian, M.Grigoras, N.Lupu, M.Asandulesa, L.Mitoseriu, Comparative study of magnetoelectric BaTiO <sub>3</sub> -Co <sub>0.8</sub> Zn <sub>0.2</sub> Fe <sub>2</sub> O <sub>4</sub> bi-tunable ceramics sintered by Spark Plasma Sintering and classical method, Ceramics International, Volume 45, Issue 18, Pages 24168 – 2417515, 2019 <b>AIS=0.478</b>	2.17
B.C.Keswani, S.I.Patil, A.R. James, R.C.Nath, R.Boomishankar, Y.D.Kolekar, C.V Ramana, Structural, magnetic and ferroelectric properties of lead free piezoelectric 0.9(0.45Ba <sub>0.7</sub> Ca <sub>0.3</sub> TiO <sub>3</sub> -0.55BaTi <sub>0.8</sub> Zr <sub>0.2</sub> O <sub>3</sub> ) and magnetostrictive 0.1(Co <sub>0.7</sub> Mn <sub>0.3</sub> Fe <sub>1.95</sub> Dy <sub>0.05</sub> O <sub>4</sub> ) magnetoelectric particulate composite, Journal of Applied Physics, Volume 126, Issue 22, Article number 224101, 2019 <b>AIS=1.023</b>	3.38
T.Roman, A.Pui, A.V.Lukacs, N.Cimpoesu, S.Lupescu, A.I Borhan, K.Kordatos, A.Ntziouni, P.Postolache, M.Zaharia, S.Stanciu, L. Mitoșeriu, Structural changes of cerium doped copper ferrites during sintering process and magneto-electrical properties assessment, Ceramics International, Volume 45, Issue 14, Pages 17243 – 172511, 2019 <b>AIS=0.478</b>	2.17
A.Guzu, C.E.Ciomaga, M. Airimioaei, L.Padurariu, L.P.Curecheriu, I.Dumitru, F.Gheorghiu, G. Stoian, M. Grigoras, N.Lupu, M.Asandulesa, L. Mitoseriu, Functional properties of randomly mixed and layered BaTiO <sub>3</sub> - CoFe <sub>2</sub> O <sub>4</sub> ceramic composites close to the percolation limit, Journal of Alloys	2.51



and Compounds, Volume 796, Pages 55 – 645, 2019 <b>AIS=0.629</b>		
S.Mohan, P.A.Joy, Magnetic properties of sintered CoFe <sub>2</sub> O <sub>4</sub> –BaTiO <sub>3</sub> particulate magnetoelectric composites, Ceramics International, Volume 45, Issue 9, Pages 12307 – 1231115, 2019 <b>AIS=0.478</b>		2.17
S.Chakraborty, S.K.Mandal, B.Saha, Optically tunable magnetoelectric properties of inorganic-organic multiferroic flexible film, Journal of Applied Physics, Volume 125, Issue 20, Article number 204102, 2019 <b>AIS= 1.023</b>		3.38
<b>Articol</b>	F. Gheorghiu, C. E. Ciomaga, M. Simenas, M. Airimioaei, S. Qiao, <b>S. Tascu</b> , V. Kalendra, J. Banys, O. G. Avadanei, L. Mitoseriu "Preparation and functional characterization of magnetoelectric Ba(Ti1-xFex)O3-x/2 ceramics. Application for a miniaturized resonator antenna" Ceramics International , Vol. 44, Issue 17, pp 20862-20870, 2018	<b>15.94</b>
<b>Citat de</b>		
M.Haydoura, R. Benzerga, C.Le Paven, L.Le Gendre, V.Laur, A. Chevalier, A.Sharaiha, F.Tessier, F.Cheviré, Perovskite (Sr2Ta2O7)100–x(La2Ti2O7)x ceramics: From dielectric characterization to dielectric resonator antenna applications, Journal of Alloys and Compounds,Volume 872,Article number 159728, 2021 <b>AIS=0.716</b>		2.43
K Abd Elmadjid, F Gheorghiu, M Zerdali, I Turcan, S Hamzaoui, Structural, Magnetic, Dielectric and Piezoelectric Properties of Multiferroic PbTi1-xFexO3-delta Ceramics, Materials, Volume 14, Issue 4, Article Number 927, 2021 <b>AIS=0.595</b>		2.19
Reddy, BVS; Srinivas, K; Kumar, NS; Naidu, KCB; Ramesh, S; Nanorods like microstructure, photocatalytic activity and ac-electrical properties of (1-x) (Al0.2La0.8TiO3) + (x) (BaTiO3) (x=0.2, 0.4, 0.6 & 0.8) nanocomposites, Chemical Physics Letters, vol. 752, article no. 137552, 2020 <b>AIS=0.372</b>		1.74
Zhou, LS; Zhang, YY; Li, S; Lian, Q; Yang, J; Bai, W; Tang, XD; Fe doping effect on the structural, ferroelectric and magnetic properties of polycrystalline BaTi(1-x)Fe(x)O(3)ceramics, Journal of Materials Science-Materials in Electronics, vol. 31, no. 17, pp. 14487-14493, 2020 <b>AIS=0.283</b>		1.56
Dastagiri, S; Lakshmaiah, MV; Naidu, KCB; Defect dipole polarization mechanism in low-dimensional europium substituted Al0.8La0.2TiO3 nanostructures, Physica E-Low-Dimensional Systems & Nanostructures, vol. 120, article no. 114058, 2020 <b>AIS=0.474</b>		1.95
Reddy, BVS; Srinivas, K; Kumar, NS; Naidu, KCB; Phase transformation, nanorod-like morphology, wide bandgap, and dielectric properties of 1-x (Al0.2La0.8TiO3) + x (BaTiO3) (x=0.2-0.8) nanocomposites, Journal of Materials Science-Materials in Electronics, vol. 31, no. 12, pp. 9293-9305, 2020 <b>AIS=0.283</b>		1.56



C.E.Ciomaga, A. Guzu, M.Airimioaei, L.P.Curecheriu, V.A.Lukacs, O.G.Avadanei, G.Stoian, M.Grigoras, N.Lupu, M. Asandulesa, L.Mitoseriu, Comparative study of magnetoelectric BaTiO <sub>3</sub> -Co <sub>0.8</sub> Zn <sub>0.2</sub> Fe <sub>2</sub> O <sub>4</sub> bi-tunable ceramics sintered by Spark Plasma Sintering and classical method, Ceramics International, Volume 45, Issue 18, Pages 24168 – 24175, 2019 <b>AIS=0.478</b>		1.95
A.Guzu, C.E.Ciomaga, M.Airimioaei, L.Padurariu, L.P Curecheriu, I.Dumitru, F Gheorghiu, G.Stoian, M.Grigoras, N.Lupu, M.Asandulesa, L. Mitoseriu, Functional properties of randomly mixed and layered BaTiO <sub>3</sub> - CoFe <sub>2</sub> O <sub>4</sub> ceramic composites close to the percolation limit, Journal of Alloys and Compounds, Volume 796, Pages 55 – 64, 2019 <b>AIS=0.629</b>		2.56
<b>Articol</b>	T.Lunghi, F.Doutre, A.P.Rambu, M.Bellec, M.P.de Micheli, A.M. Apetrei, O.Alibart, N.Belabas, <b>S.Tascu</b> , S.Tanzilli, Broadband integrated beam splitter using spatial adiabatic passage, Optics Express, Volume 26, Issue 21, Page 27058-27063, 2018	<b>25.11</b>
<b>Citat de</b>		
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<b>Citat in</b>		
F.Chen, H.Amekura, Y.Jia, Nonlinear Optical Dielectric Waveguides, Springer Series in Optical Sciences, Book Chapter, Volume 231, Pages 215 – 237, 2020, <b>ISSN</b> 03424111		0.12
<b>Articol</b>	Moretti, M.-F.Joubert, S.Tascu , B.Jacquier, M. Kaczkan M.Malinowskii , J.Samecki , Luminescence of $\text{Nd}^{3+}$ in proton or helium-implanted channel waveguides in Nd:YAG crystals, <i>Optical Materials</i> , 24 (1-2) pp. 315-319, 2003	<b>0.14</b>
<b>Citat in</b>		
F.Chen, H.Amekura, Y.Jia, Overview of Ion Beam Produced Dielectric Waveguides s, Springer Series in Optical Sciences, Book Chapter, Volume 231, Pages 21 – 43, 2020, <b>ISSN</b> 03424111		0.14
	citare în cărți din țară: 0,25 puncte / număr autori	
<b>7. Participare la conferințe științifice (dovedită cu ordin de deplasare, program, certificat de participare, etc)</b>		<b>50</b>
<b>în calitate de keynote/invited speaker</b>		<b>50</b>
internatională: 25 de puncte pentru fiecare activitate		
1. A. P. Rambu, A. M. Apetrei, F. Dautre, H. Tronche, M. de Micheli, <b>S. Tascu</b> "High-index variation of nonlinear waveguides fabricated by high vacuum proton exchange (HiVacPE) in lithium niobate crystals" TIM18 Physics Conference, May 24-26, 2018, Timisoara, Romania.(invited talk)		25



2. A. P. Rambu, A. M. Apetrei, F. Doutre, H. Tronche, M. de Micheli, <b>S. Tascu</b> "High vacuum Proton Exchange (HiVacPE) in lithium niobate crystals for high-index contrast nonlinear waveguides" 12th International Conference on Physics of Advanced Materials (ICPAM 12), September 22 – 28, 2018, Heraklion, Greece.(invited talk)	25
națională: 15 puncte pentru fiecare activitate	
<b>în calitate de speaker, (prezentare orală)</b>	
internațională: 10 de puncte pentru fiecare activitate	
națională: 5 puncte pentru fiecare activitate	
<b>8. Lucrări științifice în rezumat</b>	
în reviste cotate <i>Web of Science</i> cu factor de impact: (20 x AIS + 5) / număr autori	
<b>9. Profesor invitat la universități, centre și institute de cercetare (la inițiativa probată a instituției gazdă)</b>	<b>25</b>
în străinătate: 25 puncte pentru fiecare activitate Invitat in Laboratoire de Physique de la Matière Condensée, Université de Nice – Sophia Antipolis, Franța în anul 2017	25
în țară: 10 puncte pentru fiecare activitate	
<b>10. Poziții de conducere în organizații științifice ori profesionale</b>	<b>5</b>
internaționale: 20 puncte;	
naționale: 5 puncte / organizație Vicepreședinte a Societății Române de Fizică, Filiala Iași <a href="http://www.srfizica.ro/structure.php">http://www.srfizica.ro/structure.php</a>	5
<b>11. Membru al Academiei Române și al academiilor din străinătate</b>	
Membru al Academiei Române: 100 puncte;	
Membru al Academiilor din străinătate (exclusiv academii care acceptă calitatea de membru contra unei taxe): 500 puncte;	



<b>12. Editor, membru în echipa editorială la (se va puncta o singură dată pentru fiecare perioadă de 5 ani):</b>	
Reviste cotate <i>Web of Science</i> - Editor: 20 puncte/ activitate;	
Reviste cotate <i>Web of Science</i> -Membru în echipa editorială: 15 puncte/ activitate;	
Anale UAIC, reviste UAIC, reviste indexate BDI -Editor: 0,5 puncte/ activitate;	
Anale UAIC, reviste UAIC, reviste indexate BDI- Membru în echipa editorială: 0,1 puncte/ activitate;	
<b>13. Referent (peer-reviewer)</b>	
reviste de specialitate cotate Web Of Science: 0.1 puncte / activitate	
<b>II. ACTIVITATEA INSTITUȚIONALĂ</b>	<b>352</b>
<b>1.1.</b> Activități de promovare UAIC ; Caravana UAIC; participare târguri, expoziții, evenimente instituționale 5 puncte pentru fiecare activitate/ pe an	
<b>1.2.</b> Responsabil evaluări ARACIS: 5 puncte/deplasare	
<b>2. Organizare manifestări științifice (conferințe, congrese, colocvii) și școli de vară, demonstrabile cu link la pagina web</b>	
internaționale: coordonator: 15 puncte / activitate;	
internaționale: membru comitet organizare: 5 puncte / activitate;	
naționale: coordonator 10 puncte / activitate;	
membru comitet organizare: 3 puncte / activitate	
<b>3. Responsabilități în cadrul Universității, facultăților și în cadrul departamentelor conexe activităților de cercetare</b>	<b>105</b>
Rector: 50 puncte anual;	
Prorectori, Director CSUD, Director FC/ID/IFR: 45 puncte anual;	
Decani: 40 puncte anual;	
Prodecani, Directori Departamente interdisciplinare, Director Școală Doctorală, Director ID, Director	3x35



Centrul de Studii Europene, Grădina Botanică, Muzeu, Stațiuni de Cercetare: 35 puncte anual;  Director Interimar Centrul RAMTECH, decizie de numire nr 226 d din data de 25.02.2019 Director Centrul Ramtech, decizie de numire nr 819/3d din data de 24.08.2020	
Director departament facultate: 30 puncte anual;	
Coordonator laborator, grup, colectiv: 10 puncte anual	
<b>4. Responsabilități în cadrul Senatului Universității / Consiliului facultății / Consiliul departamentului</b>	<b>155</b>
Senat: președinte - 30 puncte anual	
Senat: vicepreședinte - 25 puncte anual	
Senat: președinte al unei comisii de specialitate - 20 puncte anual	
Presedinte al <i>Comisiei pentru programe de cercetare științifică și transfer de cunoștințe</i> în perioada: 2018 – 2019  <a href="https://www.uaic.ro/hotarari_senat/25-octombrie-2018/">https://www.uaic.ro/hotarari_senat/25-octombrie-2018/</a>	2x20
Presedinte al <i>Comisiei pentru programe de cercetare științifică și transfer de cunoștințe</i> în perioada: 2020 – prezent  <a href="https://www.uaic.ro/organizare/senatul/">https://www.uaic.ro/organizare/senatul/</a>  <a href="https://www.uaic.ro/organizare/senatul/comisiile-de-specialitate-ale-senatului/">https://www.uaic.ro/organizare/senatul/comisiile-de-specialitate-ale-senatului/</a>	2x20
Senat: membru al unei comisii de specialitate – 15 puncte anual	
Membru al <i>Comisiei pentru programe de cercetare științifică și transfer de cunoștințe</i> în mandatul 2016-2020	3x15
Membru al <i>Comisiei pentru programe de cercetare științifică și transfer de cunoștințe</i> în mandatul 2020-2024 (până în prezent)  <a href="https://www.uaic.ro/organizare/senatul/">https://www.uaic.ro/organizare/senatul/</a>	2x15
Facultate: 10 puncte anual	
Departament: 5 puncte anual	



<b>5. Membru în comisii ale universității avizate de Senat (Comisia de Etică, Comisia pentru managementul calității, Comisia de regulamente, etc.)</b>  10 puncte anual /comisie	<b>40</b>
Comisie permanentă de verificare a candidaturilor la posturile de cecetare (comisia și-a început și își desfășoară activitatea începând cu 2018 în urma a două decizii)  Decizia 159d din 14.12.2018  Decizia 1191 d din 2.11.2020	4x10
<b>6. Membru în comisii concurs în vederea ocupării un post didactic ori de cercetare în învățământul universitar</b>  5 puncte / comisie	<b>50</b>
Președinte în comisia de concurs în vederea ocupării unui post de ACS, pozitia 11. Decizia nr. 1435d. din data de 11.12.2020	5
Președinte în comisia de concurs în vederea ocupării unui post de CS, pozitia 9. Decizia nr. 1435d. din data de 11.12.2020	5
Membru în comisia de concurs în vederea ocupării un post ACS, pozitia 17. Decizia nr 585d. din data de 24.05.2019	5
Președinte în comisia de concurs în vederea ocupării unui post de CSIII, pozitia 7. Decizia nr. 1464 d. din data de 19.12.2019	5
Membru în comisia de concurs în vederea ocupării un post de ACS, pozitia 11. Decizia nr. 1465d. din data de 19.12.2019	5
Membru în comisia de concurs în vederea ocupării un post de CS, poziția 9. Decizia nr. 1465d. din data de 19.12.2019	5
Membru în comisia de concurs în vederea ocupării un post de CSII, pozitia 4. Decizia nr. 1493 d. din data de 13.12.2018	5
Membru în comisia de concurs în vederea ocupării un post de CS III, pozitia 14. Decizia nr. 1493 d. din data de 13.12.2018	5
Membru în comisia de concurs în vederea ocupării un post de lector universitar, pozitia 52. Decizia	5



nr. 1361 din data de 15.12.2017	
Membru în comisia de concurs în vederea ocupării un post de CS, pozitia 24. Decizia nr. 1364 din data de 15.12.2017	5
<b>7. Membru comisii de doctorat (admitere, îndrumare și susținere publică)</b> <b>străinătate: 5 puncte / comisie</b>	<b>2</b>
străinătate: 5 puncte pentru fiecare activitate;	
țară: 2 puncte pentru fiecare activitate Membru în comisia de îndrumare, Scoala doctorală de Fizică	2
<b>8. Proiecte pentru mobilități de tip grant</b>	
coordonator: 20 puncte x valoarea proiectului / 500.000 Euro	
membru: 10 puncte x valoarea proiectului / 500.000 Euro /numărul membrilor echipei	