



CS II dr. Sorin TAȘCU

Institutul de Cercetări Interdisciplinare ICI - UAIC
 Departamentul de Științe Exacte și Științe ale Naturii
 Centrul RAMTECH

Standarde minimale necesare și obligatorii pentru conferirea titlurilor didactice din învățământul superior și a gradelor profesionale de cercetare-dezvoltare – Domeniul Fizică
 în conformitate cu Ordinul de ministru 6129 din 2016
 Anexa 3 – Comisia de Fizică

ACTIVITĂȚI	TIPUL ACTIVITĂȚILOR	INDICATORI	PUNCTAJE OBTINUTE
1. ACTIVITATEA DIDACTICĂ ȘI PROFESIONALĂ (A)	1. Cărți în edituri internaționale recunoscute <i>Web of Science</i> în calitate de autor	$A_1 = \sum_i 4/n_i^{ef}$	
	2. Capitoale de cărți în edituri internaționale recunoscute <i>Web of Science</i> în calitate de autor/Review-uri în reviste cotate ISI	$A_2 = \sum_i 1/n_i^{ef}$	
	3. Cărți în edituri internaționale recunoscute <i>Web of Science</i> în calitate de editor	$A_3 = \sum_i 0.5/n_i^{ef}$	
	4. Cărți, manuale, îndrumare de laborator în edituri naționale sau alte edituri internaționale ca autor, note interne, prezentări susținute pentru aprobarea analizelor de date în cadrul colaborărilor mari	$A_4 = \sum_i 0.5/n_i^{ef}$	
	5. Capitoale de cărți în edituri naționale sau alte edituri internaționale ca autor	$A_5 = \sum_i 0.2/n_i^{ef}$	
	6. Lucrări în extenso (cel puțin 3 pagini) publicate în <i>Proceedings-uri</i> indexate ISI	$A_6 = \sum_i 0.2/n_i^{ef}$	
	7. Brevete de invenție internaționale acordate	$A_7 = \sum_i 3/n_i^{ef}$	
	8. Brevete de invenție naționale acordate	$A_8 = \sum_i 0.5/n_i^{ef}$	
	9. Director/responsabil/coordonator pentru programe de studii, programe de formare continuă, proiecte educaționale și proiecte de infrastructură (proiectele de cercetare se exclud)	$A_9 = \sum_i 0.5$	
	10. Director/responsabil pentru proiecte de cercetare în valoare V_i euro câștigate prin competiție națională sau internațională (proiectele de la punctul 9 se exclud). Sumele în lei sau în alte valute se convertesc în euro la cursul mediu din anul respectiv conform www.bnr.ro pentru perioada de după 1999 și la cursul din 1999 pentru perioada anterioară. Responsabilii de proiect sunt cei care conduc o echipă de cercetare, fiind menționați ca atare în proiectul depus; în cazul lor se consideră doar suma aferentă echipei conduse.	$A_{10} = \sum_i V_i / 100.000$	29,88



Punctaj total realizat la criteriul 1			
$A = \sum_{i=1}^{10} A_i$			29,88
(criteriu minim necesar pentru ABILITARE - Activitate didactică și profesională este $A \geq 2$)			
2. ACTIVITATEA DE CERCETARE	1. Articole științifice originale <i>in extenso</i> ca autor	$I = \sum_i AIS_i / n_i^{ef}$	5,266
	2. Articole științifice originale <i>in extenso</i> ca prim autor sau autor corespondent, conform mențiunilor de pe articol. Nu se iau în considerare articolele la care autorii sunt indicați în ordinea alfabetică a numelui și candidatul este prim-autor exclusiv datorită numelui acestuia și ordonării alfabetic. În cazul publicațiilor <i>HEPP (High Energy Particle Physics)</i> cu număr mare de autori, dacă articolul are la bază o notă internă a cărei aprobare în vederea trimiterii la publicare a fost susținută de către autor, atunci autorul este considerat prim autor.	$P = \sum_i AIS_i$	6,834
Punctaje totale realizate la criteriul 2			I=5,26
(criteriile minime necesare pentru ABILITARE sunt $I \geq 4$ și $P \geq 4$)			P=6,834
3. RECUNOAȘTEREA IMPACTULUI ACTIVITĂȚII	1. Citări în reviste științifice cu factor de impact care se regăsesc în <i>InCites Journal Citation Reports</i> sau în cărți în edituri recunoscute <i>Web of Science</i> . Nu se iau în considerare citările provenind din articole care au ca autor sau coautor candidatul.	$C = \sum_i c_i / n_i^{ef}$, unde c_i reprezintă numărul de citări în reviste ISI ale publicației i .	87,05
	2. Indicele <i>Hirsch</i>	h	15
Punctaje totale realizate la criteriul 3			C=87,05
(criteriile minime necesare pentru ABILITARE sunt: $C \geq 40$ și $h \geq 10$)			h=15

Punctajul total CNATDCU: $T = A + P/2 + I/2 + C/20 + h/5$

Criteriul minim necesar pentru ABILITARE este $T \geq 12$

T (candidat) = 29,88+3,417+2,633+4,35+3=38,93 puncte

Data:

Semnătura

Grad profesional						
Profesor, CS I						
Activitate Didactica si Profesionala (A)						
Nr Crt	Director/responsabil pentru proiecte de cercetare in valoare V_i , castigate prin competitie (A_{10})	director/responsabil	valoare grant (euro)	valoare grant/100.000	Punctaj Realizat	
1	Titlu Proiect: Interacțiuni parametrice între unde optice ce se propagă coliniar și în sensuri contrare Programul: Resurse Umane, Tipul Proiectului: Proiecte de cercetare pentru stimularea revenirii în țară a cercetătorilor Cod Proiect: RP-2 , Organism Finantator: UEFISCDI Contract de Finantare Nr.2/3.11.2008 Valoare contract: 510.000 lei (echivalent a 138.421 euro la data contractarii)	director de proiect	138.421	1,38	1,38	
2	Titlu proiectului: "Centru de Cercetare în domeniul Materialelor și Tehnologiilor Avansate" Programul Operațional Sectorial "Creșterea Competitivității Economice" Co-finanțat prin Fondul European de Dezvoltare Regională "Investiții pentru viitorul dumneavoastră" Axa Prioritară 2 - Competitivitate prin Cercetare , Dezvoltare Tehnologică și Inovare Operațiunea 2.1.2: Proiecte C-D de înalt nivel științific la care vor participa specialiști din străinătate Contract POS CCE O 2.1.2 Număr contract 162/15.06.2010, Cod SMIS-CNSR 11934-501, Valoare Contract: 9.112.928 lei (echivalent 2.153.237 euro la data contractarii)	director de proiect	2.153.237	21,53	21,53	
3	Titlu Proiect: Circuite cuantice integrate bazate pe rețele de ghiduri neliniare Programul: Idei, Tipul Proiectului: Proiecte comune de cercetare Romania-Franta Cod proiect: PN-II-ID-JRP-RO-FR-2014-0013, Organism Finantator: UEFISCDI Contract de Finantare Nr. 23/Ro-Fr/12.01.2015 Valoare contract: 1.150.000 lei (echivalent a 250.000 euro conform specificatiilor din contract)	director de proiect	250.000	2,50	2,50	
4	Titlu Proiect: "Interacțiuni optice parametrice în configurație contra-propagativă pentru fonică cuantică cu stări bi-fotonice cu timp de coerență mare" Cercetare fundamentală și de frontieră, Tipul Proiectului: Proiecte de Cercetare Exploratorie Cod proiect: PN-III-P4-ID-PCE-2020-0239, Organism Finantator: UEFISCDI Contract de Finantare nr. PCE 142./15.02.2021 Valoare contract: 1.198.018 lei (echivalent a 246.505 euro la data contractarii)	director de proiect	246.505	2,47	2,47	
5	Titlu Proiect: "Testarea pe teren a unui nod repetitor cuantic integrat" PN III, Programul 3 - Cooperare Europeana si Internationala, Subprogramul Orizont 2020 Cod proiect: COFUND-QUANTERA-2-InQuRe Organism Finantator: UEFISCDI și Comisia Europeană Contract de Finantare nr. 283/2022 Valoare contract: 989.990 lei (echivalent a 199.998 euro conform specificatiilor din contract)	director de proiect	199.998	2,00	2,00	
TOTAL					29,88	

Criteriu minim ABILITARE - Activitate Didactica si Profesionala $A \geq 2$

Activitate Didactica si Profesionala Candidat A= 29,88

Criteriu
Indeplinit ?

DA

	Grad profesional	0	co-autor				
	Profesor, CS I	1	prim autor sau autor coresponding				
	Activitate de Cercetare (I si P)						
Nr Crt	Autori "Titlu articol" Revista, vol.xx, ppxx, anul.	prim-autor sau coresponding	n (numar de autori)	n ^{ef} (numar efectiv de autori)	AIS (scor de influenta absolut) (ISI Web of Science)	AIS/n ^{ef} Indicator I - Candidat	AIS (prim-autor sau coresponding) Indicator P - Candidat
1	S. Tascu, R.J. Reeves, B. Jacquier, P. Moretti, R.M. Montereali, M. Piccinini, C. Seassal "Near-field luminescence of colored centers processed in LiF by electron-beam lithography" Journal de Physique IV France, vol. 12 (5), pp 301, 2002.	1	7	6,00	0,147	0,025	0,147
2	S. Tascu, R. J. Reeves, B. Jacquier, P. Moretti, R. M. Montereali, M. Piccinini, F. Somma, C. Seassal "Near Field Optical Spectroscopy of Colored Centers Stripes Written in Lithium Fluoride by Electron-Beam Lithography" Radiation Effects and Defects in Solids, vol. 157, pp 691, 2002.	1	8	6,50	0,200	0,031	0,200
3	S. Tascu, P. Moretti, S. Kostritskii, B. Jacquier, "Optical near-field measurements of guided modes in various processed LiNbO3 and LiTaO3 channel waveguides" Optical Materials, vol. 24 (1-2), pp 297-302, 2003.	1	4	4,00	0,700	0,175	0,700
4	B. Vincent, A. Boudrioua, J.C. Loulergue, P. Moretti, S. Tascu, B. Jacquier, G. Aka, D. Vivien, "Channel waveguides of Ca4GdO(BO3)3 by He+ implantation for blue-light generation by frequency doubling" Optics Letters vol. 28 (12), pp1025-1027, 2003.	0	8	6,50	1,900	0,292	0,000
5	P. Moretti, M.F Joubert, S. Tascu, B. Jacquier, M. Kaczkan, M. Malinowski, J. Samecki, "Luminescence of Nd+ in proton or helium implanted channel waveguides in Nd:YAG crystals" Optical Materials, vol. 24 (1-2), pp 315-319, 2003	0	7	6,00	0,700	0,117	0,000
6	A. Boudrioua, B. Vincent, P. Moretti, S. Tascu, B. Jacquier, G. Aka "Optical planar and channel waveguides in the new non linear crystals Ca4YO(BO3)3 (YCOB) fabricated by He+ implantation" Applied Optics, vol. 43 (2), pp 491-495, 2004.	0	6	5,50	0,800	0,145	0,000
7	A. Boudrioua, B. Vincent, R. Kremer, P. Moretti, S. Tascu, G. Aka "Linear and nonlinear optical properties of implanted Ca4GdO(BO3)3 planar waveguides" Journal of Optical Society of America B, vol. 22 (10), pp. 2192-2199, 2005.	0	6	5,50	1,100	0,200	0,000
8	M. Szachowicz, S. Tascu, M.-F. Joubert, P. Moretti, M. Nikl "Realization and infrared to green upconversion luminescence in Er3+:YAIO3 ion-implanted optical waveguides" Optical Materials, vol. 28, pp 162-166, 2006.	0	5	5,00	0,700	0,140	0,000
9	D. Castaldini, P. Bassi, S. Tascu, P. Aschieri, M. De Micheli, P. Baldi "Soft Proton Exchange tapers for low insertion loss LiNbO3 devices" Journal of Lightwave Technology, vol.25, No 6, pp 1588-1593, 2007.	0	6	5,50	1,061	0,193	0,000
10	D. Castaldini, P. Bassi, S. Tascu, G. Sauder, P. Aschieri, M. de Micheli, P. Baldi, K. Thyagarajan, M. R. Shenoy, "All-in-one measurement setup for fast and accurate characterization of linear guided-wave optical devices" Optical Engineering, Volume 46, Issue 12, p. 124601, 2007.	0	9	7,00	0,291	0,042	0,000
11	M.A. Dolbilov, V. Ya. Shur, E.I. Shishkin, M. F. Sarmanova, E. V. Nikolaeva, S. Tascu, P. Baldi, M.P. de Micheli, "Influence of surface layers modified by proton exchange on domain kinetics of lithium niobate" Ferroelectrics, Vol. 374, Issue 1, pp158-163, 2008.	0	8	6,50	0,176	0,027	0,000
12	D. Castaldini, P. Bassi, P. Aschieri, S. Tascu, M. De Micheli, P. Baldi "High performance mode adapters based on segmented SPE:LiNbO3 waveguides" Optics Express, Vol. 17, No. 20, pp 17868-17873, 2009	0	6	5,50	1,235	0,225	0,000
13	C. Michel, V. Doya, S. Tascu, W. Blanc, O. Legrand, F. Mortessagne "Controlled excitation of scar modes in passive and active multimode chaotic fiber" Applied Optics, Vol. 48, No. 31, pp G163 – G168, 2009	0	6	5,50	0,556	0,101	0,000
14	C. Michel, S. Tascu, V. Doya, O. Legrand, F. Mortessagne "Gain-controlled wave chaos in a chaotic optical fibre" Journal of the European Optical Society – Rapid Publication 4, 09020, 2009	0	5	5,00	0,334	0,067	0,000
15	M. A. Dolbilov, E. I. Shishkin, V. YA. Shur, S. Tascu, P. Baldi, M. P. De Micheli "Abnormal Domain Growth in Lithium Niobate with Surface Layer Modified by Proton Exchange" Ferroelectrics, Vol. 398, Issue 1, pp108-114, 2010	0	6	5,50	0,172	0,031	0,000
16	N. Horchidan, A. C. Ianculescu, L. P. Curecheriu, F. Tudorache, V. Musteata, S. Stoleriu, N. Dragan, D. Crisan, S. Tascu, L. Mitoseriu "Preparation and characterisation of barium titanate stannate solid solution" Journal of Alloys and Compounds 509 (2011) 4731-4737, 2011.	0	10	7,50	0,509	0,068	0,000
17	L. P. Curecheriu, A. C. Ianculescu, N. Horchidan, S. Stoleriu, F. Tudorache, S. Tascu, L. Mitoseriu "Temperature dependence of tunability of Ba(SnTi1-x)O3 ceramics" Journal of Applied Physics, 108 (8), pp 084103, 2011.	0	7	6,00	0,836	0,139	0,000
18	F. Tudorache, F. Brinza, P. D. Popa, I. Petrila, M. Grigoras, S. Tascu "Comparison between powders of strontium hexaferrite processed by dynamic gas heat Treatment and re-calcination" Acta Physica Polonica A, vol. 121 (1), pp 92-94, 2012.	0	6	5,50	0,131	0,024	0,000
19	F. Tudorache, P. D. Popa, F. Brinza, S. Tascu "Structural investigation and magnetic properties of BaFe12O19 crystals" Acta Physica Polonica A, vol. 121 (1), pp 95-97, 2012.	0	4	4,00	0,131	0,033	0,000
20	C. Michel, S. Tascu, V. Doya, P. Aschieri, W. Blanc, O. Legrand, F. Mortessagne "Experimental phase-space-based optical amplification of scar modes" Physical Review E, Vol 85, Issue 4, Art. Number 047201, 2012.	0	7	6,00	0,894	0,149	0,000

21	C. E. Ciomaga, A. M. Neagu, M. V. Pop, M. Airimioaei, S. Tascu, G. Schileo, C. Galassi, L. Mitoseriu, "Ferroelectric and dielectric properties of ferrite-ferroelectric ceramic composites" <i>Journal of Applied Physics</i> 113, 074103, 2013.	0	8	6,50	0,724	0,111	0,000
22	T. Saloru, F. Matau, S. Tascu, L. Curecheriu, A. Stancu, "Effect of thermal treatment on the magnetic properties of ceramic samples from Eastern Romania clay deposits" <i>Digest Journal of Nanomaterials and Biostructures</i> , Vol. 8, No. 1, p. 335 – 346, 2013.	0	5	5,00	0,209	0,042	0,000
23	F. Tudorache, I. Petrilă, P.D. Popa, S. Tascu "Influence of thermal treatment on the structure, humidity sensitivity, electrical and magnetic properties of barium-tungsten ferrite" <i>Composites: Part B</i> , Vol 51, pp. 106-111, 2013.	0	4	4,00	0,750	0,188	0,000
24	I. Petrilă, F. Tudorache, S. Tascu "Micromagnetic investigation of all-optical switching" <i>Physics Letters A</i> , vol. 337, pp. 1495-1498, 2013	1	3	3,00	0,563	0,188	0,563
25	Z. V. Mocanu, M. Airimioaei, C. E. Ciomaga, L. Curecheriu, F. Tudorache, S. Tascu, A. R. Iordan, N. M. Palamaru, L. Mitoseriu "Investigation of the functional properties of Mg x Ni1-x Fe2O4 ceramics" <i>Journal of Materials Science</i> , vol. 49 (8), pp. 3276-3286, 2014.	0	9	7,00	0,592	0,085	0,000
26	C. E. Ciomaga, L. Padurariu, L. P. Curecheriu, N. Lupu, I. Lisiecki, M. Deluca, S. Tascu, C. Galassi, L. Mitoseriu "Using multi-walled carbon nanotubes in spark plasma sintered Pb(Zr0.47Ti0.53)O3 ceramics for tailoring dielectric and tunability properties" <i>Journal of Applied Physics</i> , vol 116, pp. 164110, 2014	0	9	7,00	0,682	0,097	0,000
27	A.P. Rambu, N. Iftimie, V. Nica, M. Dobromir, S. Tascu "Efficient methane detection by Co doping of ZnO thin films" <i>Superlattices and Microstructures</i> , vol 78, pp 61–70, 2015.	1	5	5,00	0,388	0,078	0,388
28	C. Adomnitei, S. Tascu, D. Luca, M. Dobromir, M. Girtan, D. Mardare "Nb-doped TiO2 thin films as photocatalytic materials" <i>Bulletin of Materials Science</i> , vol.38, no. 5, pp1259-1262, 2015.	0	6	5,50	0,254	0,046	0,000
29	A. P. Rambu, F. Tudorache, I. Petrilă, G. G. Rusu, V. Nica, M. Dobromir, S. Tascu "Combined effects of p-n heterojunctions and active surface areas in a composite material dedicated to gas sensing applications" <i>Journal of Materials Science: Materials in Electronics</i> , vol. 26, pp 9837-9844, 2015.	1	7	6,00	0,234	0,039	0,234
30	C.E. Ciomaga, O.G. Avadanei; I. Dumitru, M. Airimioaei, S. Tascu, F. Tufescu, L. Mitoseriu, "Engineering magnetolectric composites towards application as tunable microwave filters", <i>Journal of Physics D-Applied Physics</i> , vol. 49 (12), pp 125002 (9pp), 2016.	0	7	6,00	0,760	0,127	0,000
31	D. Mardare, C. Mita, N. Cornei, S. Tascu, D. Luca, M. Dobromir, C. Adomnitei "Platinum role in hydrophilicity enhancement of Crdoped TiO2 thin films" <i>Philosophical Magazine</i> , vol.96, No. 28, pp 3000-3015, 2016	0	7	6,00	0,611	0,102	0,000
32	M. Airimioaei, R. Stanculescu, V. Preutu, C. Ciomaga, N. Horchidan, S. Tascu, D. Latic, A. Pui, L. Mitoseriu "Effect of particle size and volume fraction of BaTiO3 powders on the functional properties of BaTiO3/poly(ϵ -caprolactone) composites" <i>Materials Chemistry and Physics</i> vol. 182, pp. 246-255, 2016.	0	9	7,00	0,448	0,064	0,000
33	A. M. Apetrei, A. P. Rambu, C. Minot, J-M. Moison, N. Belabas, S. Tascu "Anomalous angular dispersion in lithium niobate one-dimensional waveguide array in the near-infrared wavelength range" <i>Journal of Applied Physics</i> vol. 121, pp 073101 (6pp), 2017.	1	6	5,50	0,561	0,102	0,561
34	F. Gheorghiu, M. Simenas, C. Ciomaga, M. Airimioaei, V. Kalendra, J. Banys, M. Dobromir, S. Tascu, L. Mitoseriu "Preparation and structural characterization of Fe-doped BaTiO3 diluted magnetic ceramics" <i>Ceramics International</i> , vol. 43 (13), pp 9998-10005, 2017	0	9	7,00	0,437	0,062	0,000
35	A. P. Rambu, A. M. Apetrei, F. Dautre, H. Tronche, M. de Micheli, S. Tascu – "Analysis of High-Index Contrast Lithium Niobate Waveguides Fabricated by High Vacuum Proton Exchange" – <i>Journal of Lightwave Technology</i> , vol. 36 (13), pp. 2675-2684, 2018.	1	6	5,50	0,794	0,144	0,794
36	V. Tiron, I-L. Velicu, I. Pana, D. Cristea, B. G. Rusu, P. Dinca, C. Porosnicu, E. Grigore, D. Munteanu, S. Tascu "HiPIMS deposition of silicon nitride for solar cell application" <i>Surface & Coatings Technology</i> vol. 344, pp. 197–203, 2018.	0	10	7,50	0,511	0,068	0,000
37	M. Glod, D. Damir, S. Nichitus, G. Calin, L.D. Duceac, D.L. Gorgan, S. Tascu, M.I. Ciuhodaru, "ZnO and TiO2 Nanoparticles Genotoxicity According to their Structural and Morphological Characteristics Used for Medical Purposes" <i>Revista de Chimie</i> , vol 69, Issue 3, Pages 609-611, 2018.	0	8	6,50	0,052	0,008	0,000
38	F. Gheorghiu, C. E. Ciomaga, M. Simenas, M. Airimioaei, S. Qiao, S. Tascu, V. Kalendra, J. Banys, O. G. Avadanei, L. Mitoseriu "Preparation and functional characterization of magnetolectric Ba(Ti1-xFex)O3-x/2 ceramics. Application for a miniaturized resonator antenna", <i>Ceramics International</i> Vol. 44, Issue 17, pp 20862-20870, 2018	0	10	7,50	0,454	0,061	0,000
39	T. Lunghi, F. Dautre, A. P. Rambu, M. Bellec, M. P. de Micheli, A. M. Apetrei, O. Alibart, N. Belabas, S. Tascu, S. Tanzilli "Broadband integrated beam splitter using spatial adiabatic passage", <i>Optics Express</i> vol. 26, no 21, 2018	0	10	7,50	0,826	0,110	0,000
40	A. M. Apetrei, A. P. Rambu, S. Tascu "Evaluation of low index contrast in lithium niobate waveguides at telecom wavelengths", <i>Optics and Laser Technology</i> vol. 111, pp 156–162, 2019	1	3	3,00	0,536	0,179	0,536
41	C. E. Ciomaga, M. Airimioaei, I. Turcan, A. V. Lukacs, S. Tascu, M. Grigoras, N. Lupu, J. Banys, L. Mitoseriu "Functional properties of percolative CoFe2O4-PbTiO3 composite ceramics, <i>Journal of Alloys and Compounds</i> vol. 775, pp 90-99, 2019	0	9	7,00	0,630	0,090	0,000
42	A.P. Rambu, A.M. Apetrei, S. Tascu "Role of the high vacuum in the precise control of index contrasts and index profiles of LiNbO3 waveguides fabricated by High Vacuum Proton Exchange" <i>Optics and Laser Technology</i> vol. 118, pp 109–114, 2019.	1	3	3,00	0,536	0,179	0,536

43	A. P. Rambu, A. M. Apetrei, F. Doutre, H. Tronche, V. Tiron, M. De Micheli, S. Tascu "Lithium niobate waveguides with high-index contrast and preserved nonlinearity fabricated by High Vacuum Vapor-phase Proton Exchange" Photonics Research, Vol. 8, Issue 1, pp 8-16, 2020	1	7	6,00	1,580	0,263	1,580
44	M. Airimioaei, V. Lukacs, I. Lisiecki, P. Beaunier, J. Blanchard, D. Lutic, S. Tascu, P. Postolache, 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 vol. 816, art nr. 152543, 2020	0	11	8,00	0,716	0,090	0,000
45	T. Sekrafi, Z. Denden, F. Tudorache, S. Tascu, H. Nasri, C. Dridi "ZnTTP electrical properties and application in humidity sensor development" Superlattices and Microstructures, vol. 140, art. nr. 106462, 2020	0	6	5,50	0,357	0,065	0,000
46	X. Hua, T. Lunghi, F. Doutre, P.Vergyris, G. Sauder, P. Charlier, L. Labonté, V. d'Auria, A. Martin, S Tascu, M P. de Micheli, S Tanzilli, O. Alibart "Configurable heralded two-photon Fock-states on a chip" Optics Express Vol. 29, No. 1, pp 415-424, 2021.	0	13	9,00	0,845	0,094	0,000
47	T. Sekrafi, B. Bouricha, Z. Denden, S. Tascu, A. Labidi, H. Nasri, C. Dridi "Development of Cost -effective, Selective and Stable Room Temperature Methanol Sensor" IEEE Sensors Journal Vol. 21, Issue 3, pp 2589-2596, 2021.	0	7	6,00	0,612	0,102	0,000
48	D. Barral, V. D'Auria, F. Doutre, T. Lunghi, S. Tanzilli, A. P. Rambu, S. Tascu, J. A. Levenson, N. Belabas, K. Bencheikh "Supermode-based second harmonic generation in a nonlinear interferometer" Optics Express Vol. 29, No. 23 pp 37175-37188, 2021	0	10	7,50	0,845	0,113	0,000
49	A. P. Rambu, V. Tiron, E. Oniciuc S. Tascu "Spontaneous Polarization Reversal Induced by Proton Exchange in Z-Cut Lithium Niobate α -Phase Channel Waveguides" Materials vol. 14 (23), 7127, 2021.	1	4	4,00	0,595	0,149	0,595
		0		0,00		0,000	0,000
TOTAL		12			Punctaj Candidat	5,266	6,834

Criteriu Indeplinit ?

Criterii minime ABILITARE

I ≥ 4,00	DA	Criteriu Indeplinit?
P ≥ 4,00		DA

	Grad profesional				
	Profesor, CS I				
	Recunoasterea impactului activitatii (C) Citari in reviste indexate				
	ISI				
Nr. Crt.	Autori "Titlu articol" Revista, vol.xx, ppxx, anul xxxx.	n (numar de autori)	n_ef (numar efectiv de autori)	c (numar citari ISI exclus autocitarile)	c/n_ef
1	S. Tascu, R. J. Reeves, B. Jacquier, P. Moretti, R. M. Montereali, M. Piccinini, F. Somma, C. Seassal "Near Field Optical Spectroscopy of Colored Centers Stripes Written in Lithium Fluoride by Electron-Beam Lithography" Radiation Effects and Defects in Solids, vol. 157, pp 691, 2002.	8	6,50	9	1,38
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40	M Airimioaei, VA Lukacs, I Lisiecki, P Beaunier, J Blanchard, D Lutic, S Tascu, 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, <i>Journal of Alloys and Compounds</i>, Volume 816, Article Number 152543, 2020	11	8,00	2	0,25
40.1	D Jeremic, L Andjelkovic, MR Milenkovic, M Suljagic, MS Ristic, S Ostojic, AS Nikolic, P Vulic, I Breski, V Pavlovic, One-Pot Combustion Synthesis of Nickel Oxide and Hematite: from Simple Coordination Compounds to High Purity Metal Oxide Nanoparticles, <i>Science of Sintering</i> , Volume 52, Issue 4, Page 481-490, 2020				
40.2	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, <i>Ceramics International</i> , Volume 47, Issue 13 Page 18105-18115, 2021				

TOTAL	Punctaj Candidat	510,00	87,05
			Criteriu Indeplinit?
	Prag minim C=	40,0	DA

Indice Hirsch minim (Web of Science) h= 10

**Criteriu
Indeplinit?**

Indice Hirsch Candidat (Web of Science) h= 15,000

DA