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Institutul de Cercetări Interdisciplinare ICI - UAIC

Departamentul de Ştiinţe Exacte şi Ştiinţe ale Naturii

Centrul RAMTECH

ANEXA 1

CRITERIUL	DESCRIPTORI	PUNCTAJUL ACORDAT
I. ACTIVITATEA DE CERCETARE (80%)	**1.** Articole științifice publicate *in extenso* în reviste cotate *Web of Science, Clarivate Analytics*	(60 puncte x AIS) + 25 Pentru articole publicate în calitate de autor principal (prim autor sau autor corespondent) (60 puncte x AIS + 25)/ număr autori Pentru articole publicate în calitate de co-autor
	2. Cărți științifice de autor (monografii, tratate, îndrumare, culegeri), publicate (pentru prima ediție*) în edituri:	în străinătate: 30 puncte la 100 pagini / număr autori, indexate WorldCat
		în țară acreditate CNCSIS: 40 puncte la 100 pagini/ număr autori
		*pentru ediţiile revizuite şi adăugite, se va acorda jumătate din punctaj.
	3. Contracte de cercetare științifică obținute prin competiție derulate în ultimii 5 ani prin Universitate	Finanțare Internațională sau Națională director de proiect: 100 puncte x (valoare grant în euro)/100.00 euro membru echipa proiect: 25 puncte x (valoare grant în euro)/100.000 euro/nr. membri echipă
	4. Brevete	internaționale: 75 puncte/nr. autori
		naționale: 25 puncte/nr. autori
	5. Produse și/sau servicii inovative cu impact economic demonstrabil prin documente emise de autorități legale (OSIM, RENAR, ASRO)	în străinătate: 40 puncte / număr autori
		în țară: 30 puncte / număr autori
	6. Citări și recenzii ale creației de autor obținute în ultimii 5 ani (exclus autocitări/ o citare se va cuantifica o singură dată)	în reviste de specialitate indexate *Web of Science, Clarivate Analytics*: (10 + 20 x AIS)/ număr autori Nota: AIS-ul este al revistei care citează
		citare în cărți din străinătate: 1 puncte/ număr autori
		citare în cărți din țară: 0.25 puncte/număr autori
	7. Participare la conferințe științifice (dovedită cu ordin de deplasare, program, certificat de participare, etc)	în calitate de keynote/invited speaker internațională: 25 puncte pentru fiecare activitate națională: 15 puncte pentru fiecare activitate

CRITERIUL	DESCRIPTORI	PUNCTAJUL ACORDAT
		în calitate de speaker, (prezentare orală) internațională: 10 puncte pentru fiecare activitate națională: 5 puncte pentru fiecare activitate
	8. Lucrări științifice în rezumat	în reviste indexate *Web of Science, Clarivate Analytics*, cu factor de impact: (20 x AIS + 5) / număr autori
	9. Profesor invitat la universități, centre și institute de cercetare (la inițiativa probată a instituției gazdă)	în străinătate: 25 puncte pentru fiecare activitate
		în țară: 10 puncte pentru fiecare activitate
	10. Poziții de conducere în organizații științifice ori profesionale	internaționale: 20 puncte
		naționale: 5 puncte/organizație
	11. Membru al Academiei Române și al academiilor din străinătate	Membru al Academiei Române: 100 puncte; Membru al Academiilor din străinătate (exclusiv academii care acceptă calitatea de membru contra unei taxe): 500 puncte;
	12. Editor, membru în echipa editorială la (se va puncta o singură dată pentru fiecare perioadă de 5 ani):	Reviste cotate *Web of Science Clarivate Analytics* Editor: 20 puncte/ activitate; Membru în echipa editorială: 15 puncte/ activitate;
		Anale UAIC, reviste UAIC, reviste indexate BDI Editor: 0.5 puncte/ activitate; Membru în echipa editorială: 0,1 puncte/ activitate
	13. Referent (peer-reviewer)	reviste de specialitate indexate *Web of Science, Clarivate Analytics*: 0.1 puncte /activitate
		TOTAL = 2788.49 puncte
II. ACTIVITATEA INSTITUȚIONALĂ (20%)	**1.1.** Activități de promovare UAIC; Caravana UAIC; participare târguri, expoziții evenimente instituționale **1.2.** Responsabil evaluări ARACIS	5 puncte pentru fiecare activitate/pe an 5 puncte/deplasare
	2. Organizare manifestări științifice (conferințe, congrese, colocvii) și școli de vară demonstrabile cu link la pagina web	internaționale: coordonator: 15 puncte/activitate; membru comitet organizare: 5 puncte/activitate; naționale: coordonator 10 puncte / activitate; membru comitet organizare: 3 puncte / activitate
	3. Responsabilități în cadrul Universității, facultăților, și în cadrul departamentelor conexe activităților de cercetare	Rector: 50 puncte anual Prorectori, Director CSUD, Director FC/ID/IFR: 45 puncte anual;

CRITERIUL	DESCRIPTORI	PUNCTAJUL ACORDAT
		Decani: 40 puncte anual; Prodecani, Directori Departamente Interdisciplinare, Director Școală Doctorală, Director ID, Director Centrul de Studii Europene, Grădina Botanică, Muzee, Stațiuni de Cercetare: 35 puncte anual; Director departament facultate: 30 puncte anual; Coordonator laborator, grup, colectiv: 10 puncte anual
	4. Responsabilități în cadrul Senatului Universității/ Consiliului facultății/ Consiliul departamentului	Senat: președinte – 30 puncte anual/ vicepreședinte – 25 puncte anual/ președinte al unei comisii de specialitate – 20 puncte anual/ membru – 15 puncte anual Facultate: 10 puncte anual Departament: 5 puncte anual
	5. Membru în comisii ale universității avizate de Senat (Comisia de Etică, Comisia pentru managementul calității, Comisia de regulamente, etc)	10 puncte anual / comisie
	6. Membru în comisii concurs în vederea ocupării unui post didactic ori de cercetare în învățământul universitar	5 puncte / comisie
	7. Membru comisii de doctorat (admitere, îndrumare și susținere publică)	străinătate: 5 puncte pentru fiecare activitate țară: 2 puncte pentru fiecare activitate
	8. Proiecte pentru mobilități de tip grant	coordonator: 20 puncte x valoarea proiectului / 500.000 Euro membru: 10 puncte x valoarea proiectului / 500.000 Euro / numărul membrilor echipei
		TOTAL = 20 puncte

Punctaj realizat conform Fişei de auto-evaluare a performanţelor:

Activitatea de Cercetare + Activitatea Instituţională

2788.49 puncte + 20 puncte = 2808.49 puncte

Justificare punctaj la ANEXA 1 pentru gradație de merit:

I.1. Articole științifice publicate *in extenso* în reviste cotate *Web of Science, Clarivate Analytics* autor principal (60 puncte x AIS) + 25			
1	I. Petrila, **F. Tudorache**, *The influence of Li^+ and K^+ added cations and annealing temperature on the magnetic and dielectric properties of Mg-Zn ferrite*, Materials 14 (17) (2021) 4916.	**AIS=0.597**	**Punctaj=60.82**
2	I. Petrila, **F. Tudorache**, *Effects of sintering temperature on the microstructure, electrical and magnetic characteristics of copper-zinc spinel ferrite with possibility use as humidity sensors*, Sensors and Actuators: A. Physical, 332 (2021) 113060.	**AIS=0.614**	**Punctaj=61.84**
3	A.M. Solonaru, M. Grigoras, I. Petrila, **F. Tudorache**, *Self-doped N-propansulfonic acid polyaniline-polyethylene terephthalate film used as active sensor element for humidity or gas detection*, Journal of Applied Polymer Science 136 (27) (2019) 47743.	**AIS=0.331**	**Punctaj=44.86**
4	**F. Tudorache**, N. Tigau, S. Condurache-Bota, *Humidity sensing characteristics of Sb_2O_3 thin films with transitional electrical behaviour*, Sensors and Actuators A: Physical 285 (2019) 134-141.	**AIS=0.559**	**Punctaj=58.54**
5	**F. Tudorache**, *Investigations on microstructure, electrical and magnetic properties of copper spinel ferrite with WO_3 addition for applications in the humidity sensors*, Superlattices and Microstructures 116 (2018) 131-140.	**AIS=0.342**	**Punctaj=45.52**
I.1. Articole științifice publicate *in extenso* în reviste cotate *Web of Science, Clarivate Analytics* co-autor (60 puncte x AIS + 25)/ număr autori			
1	I.C. Lupu, M.C. Grosu, **F. Tudorache**, D.C. Nastac, H.I. Hogas, O. Cramariuc, *A cost-effective method for obtaining single magnetic cotton yarns*, The Journal of the Textile Institute 112 (2021) 1-8.	**AIS=0.253**	**Punctaj=6.69**
2	T. Sekrafi, Z. Denden, **F. Tudorache**, S. Tascu, H. Nasri, C. Dridi, *ZnTTP electrical properties and application in humidity sensor development*, Superlattices and Microstructures 140 106462 (2020) 106462.	**AIS=0.358**	**Punctaj=7.75**
3	C. Virlan, **F. Tudorache**, A. Pui, *Tertiary NiCuZn ferrites for improved humidity sensors: a systematic study*, Arabian Journal of Chemistry 13 (1) (2020).	**AIS=0.676**	**Punctaj=21.85**
4	V. Manikandan, **F. Tudorache**, I. Petrila, R.S. Mane, V. Kuncser, B. Vasile, D. Morgan, S. Vigneselvan, A. Mirzaei, *Fabrication and characterization of Ru-doped $LiCuFe_2O_4$ nanoparticles and their capacitive and resistive humidity sensor applications*, Journal of Magnetism and Magnetic Materials 474 (2019) 563-569.	**AIS=0.429**	**Punctaj=5.64**
5	T. Sekrafi, Z. Denden, **F. Tudorache**, S. Tascu, H. Nasri, C. Dridi, *Development of an organic resistive-type humidity sensor*, IEEE International Conference on Design and Test of Integrated Micro and Nano-Systems, DTS 2019 April (2019), Gammarth-Tunis; Tunisia; 28 April 2019 through 1 May (2019), Article number 8914746	**AIS=0.00**	**Punctaj=4.17**
6	G. Bulai, O. Rusu, M.M. Cazacu, **F. Tudorache**, B. Chazallon, C. Focsa, S. Gurlui, *Structural, magnetic and humidity sensing properties of rare earth doped cobalt ferrite thin films synthesized by pulsed laser deposition*, Journal of Ovonic Research 14 (2) (2018) 119-128.	**AIS=0.089**	**Punctaj=4.33**
7	C. Virlan, **F. Tudorache**, A. Pui, *Increased sensibility of mixed ferrite humidity sensors by subsequent heat treatment*, International Journal of Applied Ceramic Technology 14 (6) (2017) 1174-1182.	**AIS=0.242**	**Punctaj=13.17**
8	D. Toloman, A. Popa, M. Stan, C. Socaci, A.R. Biris, G. Katona, **F. Tudorache**, I. Petrila, F. Iacomi, *Reduced graphene oxide decorated with Fe doped SnO_2 nanoparticles for humidity sensor*, Applied Surface Science 402 (2017) 410-417.	**AIS=0.627**	**Punctaj=6.96**
Total I.1. = 342.14 puncte			

I.2. Cărți științifice de autor (monografii, tratate, îndrumare, culegeri), publicate (pentru prima ediție*) în edituri: în străinătate: 30 puncte la 100 pagini / număr autori, indexate WorldCat		
1	**F. Tudorache**, chapter 15 “*Nanostructured oxide ceramic materials for applications in the field of humidity sensors*”, book “Advanced Ceramics, for Energy and Environmental Applications”, publishing by CRC Press Taylor & Francis Group (2021), pp. 313-330, edited by Akshay Kumar, ISBN: 9780367436742, https://www.routledge.com/Advanced-Ceramics-for-Energy-and-Environmental-Applications/Kumar/p/book/9780367436742.	**Punctaj= 5.40**
Total I.2. = 5.40 puncte		
I.3. Contracte de cercetare științifică obținute prin competiție derulate în ultimii 5 ani prin Universitate membru echipa proiect: 25 puncte x (valoare grant în euro)/100.000 euro/nr. membri echipă		
1	**Membru în proiectul internaţional de cercetare** nr. 23/12.01.2015 (România-Franța), “Circuite cuantice integrate bazate pe rețele ghid de undă neliniare”, 2015-2017, 250.000 euro, 7 membri.	**Punctaj= 8.93**
Total I.3. = 8.93 puncte		
I.4. Brevete **internaționale: (75 puncte / număr de autori)** **naționale: (25 puncte / număr autori)**		
1	**Cerere brevet de invenţie depusă în 2017:** **F. Tudorache**, I. Petrila, *Incintă de analiză și etalonare a senzorilor de umiditate*, A/00113, 2798/23.02.2017, https://patents.google.com/patent/RO132779A2	**Punctaj= 0.00**
2	**Cerere de brevet de invenție depusă în 2017:** I. Petrila, **F. Tudorache**, *Senzor de umiditate diferențial rezistiv de curent continuu bazat pe ferita de Cu-Zn-W*, A/00114, 2797/23.02.2017, https://patents.google.com/patent/RO132780A2	**Punctaj= 0.00**
Total I.4. = 00.00		
I.6. Citări și recenzii ale creației de autor obținute în ultimii 5 ani (exclus autocitări/ o citare se va cuantifica o singură dată) în reviste de specialitate indexate *Web of Science, Clarivate Analytics*: (10 + 20 x AIS)/ număr autori Nota: AIS-ul este al revistei care citează citare în cărți din străinătate: 1 puncte/ număr autori citare în cărți din țară: 0.25 puncte/număr autori		
1	N. Rezlescu, E. Rezlescu, C-L Sava, **F. Tudorache**, P. D. Popa, *Effects of some ionic substitutions on sintering, structure and humidity sensitivity of MgCu ferrite*, Physica Status Solidi A-Applied Research 201 1 (2004) 17-25.	**Punctaj = 15.38**
	1.1. M.D. Hossain, M.N.I. Khan, A. Nahar, M.A. Ali, M.A. Matin, S.M. Hoque, M.A. Hakim, A.T.M.K. Jamil, Tailoring the properties of Ni-Zn-Co ferrites by Gd^{3+} substitution, Journal of Magnetism and Magnetic Materials 47 (2020) Article number 165978.	AIS =0.459 Punctaj =3.83
	1.2. M. Das, M.N.I. Khan, M.A. Matin, M.M. Uddin, Structural, Morphological, Electrical and Magnetic Properties of Yttrium-Substituted Co-Zn Ferrites Synthesized by Double Sintering Technique, Journal of Superconductivity and Novel Magnetism 32 (11) (2019) 3569-3577.	AIS =0.173 Punctaj =2.69
	1.3. P.P. Naik, R.B. Tangsali, Enduring effect of rare earth (Nd^{3+}) doping and - radiation on electrical properties of nanoparticle manganese zinc ferrite, Journal of Alloys and Compounds 723 (2017) 266-275.	AIS =0.574 Punctaj =4.29
	1.4. M. Zahid, M.U. Islam, M.S. Awan, M.C. Naeem Ashiq, S. Naseem, I. Ali, A. Iftikhar, M. Ahmad, Z. Kamran, Effect of dysprosium on structural and physical properties of $Ba_2NiCoFe_{12}O_{22}$ Y-type hexaferrites, Journal of the Australian Ceramic Society 53 (2) (2017) 875-882.	AIS =0.143 Punctaj =2.57
	1.5. B.H. Anilkumar, K.S. Venkatesh, Transport Properties of Polyaniline-Zinc Ferrite Nanocomposites, Journal of Advanced Physics 6 (2) (2017) 229-234.	AIS =0.00 Punctaj =2.00
2	E. Rezlescu, N. Rezlescu, **F. Tudorache**, P. D. Popa, *Effects of repalcing Fe by La or Ga in $Mg_{0,5}Cu_{0,5}Fe_2O4$. Humidity sensitivity*, Journal of Magnetism and Magnetic Materials 272 (2004) E1821 – E1822.	**Punctaj = 29.23**
	2.1. H.K. Dubey, P. Lahiri, The effect of dysprosium on nickel-cadmium spinel ferrites, Phase Transitions	AIS =0.202

	94 (11) (2021) 842-855.	Punctaj =3.51
	2.2. M.M.N. Ansari, S. Khan, N. Ahmad, Influence of Dy^{3+} and Cu substitution on the structural, electrical and dielectric properties of $CoFe_2O_4$ nanoferrites, Journal of Materials Science-Materials in Eelctronics 30 (19) (2019) 17630-17642.	AIS =0.256 Punctaj =3.78
	2.3. P. Chavan, L.R. Naik, Effect of Bi^{3+} ions on the humidity sensitive properties of copper ferrite nanoparticles, Sensors and Actuators B: Chemical 272 (2018) 28-33.	AIS =0.824 Punctaj =6.62
	2.4. M. Amini, M.H. Kafshdouzsani, A. Akbari, S. Gautam, C.-H Shim, K.H. Chae, Spinel copper ferrite nanoparticles: Preparation, characterization and catalytic activity, Applied Organometallic Chemistry 32 (9) (2018) Article number e4470.	AIS =0.334 Punctaj =4.17
	2.5. F. Deng, Y. He, B. Li, Y. Song, X. Wu, Design of a slotted chipless RFID humidity sensor tag, Sensors and Actuators B: Chemical 264 (2018) 255-262.	AIS =0.824 Punctaj =6.62
	2.6. N. Lenin, R. Rajesh Kanna, K. Sakthipandi, A. Senthil Kumar, Structural, electrical and magnetic properties of $NiLa_xFe_{2-x}O_4$ nanoferrites, Materials Chemistry and Physics 212 (2018) 385-393.	AIS =0.407 Punctaj =4.53
3	N. Rezlescu, E. Rezlescu, C-L. Sava, **F. Tudorache**, P. D. Popa, *On the effects of Ga^{3+} and La^{3+} ions in MgCu ferrite: Humidity-sensitive electrical conduction*, Crystal Research and Technology 39 6 (2004) 548-557.	**Punctaj = 16.31**
	3.1. U.B. Tumberphale, S.S. Jadhav, S.D. Raut, P.V. Shinde, S. Sangle, S.F. Shaikh, A.M. Al-Enizi, M. Ubaidullah, R.S. Mane, S.K. Gore, Tailoring ammonia gas sensing performance of La^{3+}-doped copper cadmium ferrite nanostructures, Solid State Sciences 100 (2020) Article number 106089.	AIS =0.374 Punctaj =3.49
	3.2. M.A. Yousuf, M.M. Baig, N.F. Al-Khalli, M.A. Khan, M.F.A. Aboud, I. Shakir, M.F. Warsi, The impact of yttrium cations (Y^{3+}) on structural, spectral and dielectric properties of spinel manganese ferrite nanoparticles, Ceramics International 45 (8) (2019) 10936-10942.	AIS =0.478 Punctaj =3.91
	3.3. N. Lenin, R. Rajesh Kanna, K. Sakthipandi, A. Senthil Kumar, Structural, electrical and magnetic properties of $NiLa_xFe_{2-x}O_4$ nanoferrites, Materials Chemistry and Physics 212 (2018) 385-393.	AIS =0.407 Punctaj =3.62
	3.4. H. Li, H. Fan, Z. Liu, J. Zhang, Y. Wen, J. Lu, X. Jiang, G. Chen, Highly sensitive humidity sensor based on lithium stabilized Na-beta''-alumina: dc and ac analysis, Sensors and Actuators B: Chemical 255 (2018) 1445-1454.	AIS =0.824 Punctaj =5.29
4	N. Rezlescu, E. Rezlescu, **F. Tudorache**, P. D. Popa, *MgCu nanocrystalline ceramic with La^{3+} and Y^{3+} ionic substitution used as humidity sensor*, Journal of Optoelectronics and Advanced Materials 6 (2004) 695 – 698.	**Punctaj = 26.14**
	4.1. L.M. Thorat, D.Y. Nadargi, M.S. Tamboli, A.M. Al-Enizi, R.C. Kambale, S.F. Shaikh, S.S. Suryavanshi, M. Ubaidullah, A. Nafady, M.A. Al-Abdrabalnabia, Co^{2+} substituted spinel mgcuzn ferrimagnetic oxide: A highly versatile electromagnetic material via a facile molten salt route, Nanomaterials 10 (12) (2020) Article number 2333, 1-14.	AIS =0.756 Punctaj =6.28
	4.2. E. Abouzir, M. Elansary, M. Belaiche, H. Jaziri, Magnetic and structural properties of single-phase Gd^{3+}-substituted Co-Mg ferrite nanoparticles, RSC Advances 10 (19) (2020) 11244-11256.	AIS =0.525 Punctaj =5.12
	4.3. R.C. Bharamagoudar, A.S. Patil, S.N. Mathad, V.M. Kumbar, L.B. Kankanawadi, Magnetic and antibacterial studies of nanoferrites prepared by self propagating high-temperature synthesis route, Acta Chemica Iasi 26 (2) (2018) 249-262.	AIS =0.0 Punctaj =2.50
	4.4. P. Chavan, L.R. Naik, Effect of Bi^{3+} ions on the humidity sensitive properties of copper ferrite nanoparticles, Sensors and Actuators B: Chemical 272 (2018) 28-33.	AIS =0.824 Punctaj =6.62
	4.5. N. Zahra, A. Abbas, B. Saeed, N. Abbas, M. Hussain, Synthesis and Characterization of Nd-Substituted Lithium Nickel Nano Ferrites Using Co-Precipitation Method, Nanoscience and Nanotechnology Letters 10 (8) (2018) 1142-1146.	AIS =0.125 Punctaj =3.12
	4.6. K. Shetty, L. Renuka, H.P. Nagaswarupa, H. Nagabhushana, K.S. Anantharaju, D. Rangappa, S.C. Prashantha, K. Ashwini, A comparative study on $CuFe_2O_4$, $ZnFe_2O_4$ and $NiFe_2O_4$: Morphology, Impedance and Photocatalytic studies, Materials Today: Proceedings 4 (11) (2017) 11806-11815.	AIS =0.0 Punctaj =2.50
5	N. Rezlescu, E. Rezlescu, P. D. Popa, **F. Tudorache**, *A model of humidity sensor with a Mg-based ferrite*, Journal of Optoelectronics and Advanced Materials 7 2 (2005) 907-910.	**Punctaj = 14.19**
	5.1. S. Vigneselvan, V. Manikandan, I. Petrila, A. Vanitha, J. Chandrasekaran, Effect of copper substitution on structural, optical and humidity-sensing characteristics of cerium oxide nanoparticles, Journal of Physics and Chemistry of Solids 136 (2020) Article number 109173.	AIS =0.519 Punctaj =5.09
	5.2. E.E. Ateia, A.T. Mohamed, M. Morsy, Humidity sensor applications based on mesopores $LaCoO_3$, Journal of Materialis Science-Materials in Eelctronics 30 (21) (2019) 19254-19261.	AIS =0.256 Punctaj =3.78
	5.3. Y. Kumar, A. Sharma, P.M. Shirage, Shape-controlled CoFe2O4 nanoparticles as an excellent material for humidity sensing, RSC Advances 7 (88) (2017) 55778-55785.	AIS =0.564 Punctaj =5.32
6	C. Sinescu, M. Negrutiu, C. Todea, M. Huges, **F. Tudorache**, A. G. Podoleanu, *Fixed partial dentures investigated by optical coherent tomography*, Coherence domain Optical Methods and Optical Coherence Tomography in Biomedicine XII Book Series: PROCEEDINGS OF THE SOCIETY OF PHOTO-OPTICAL INSTRUMENTATION ENGINEERS (SPIE) Volume: 6847 Pages: 84707-84707 (2008).	**Punctaj = 4.25**

	6.1. A.Y. Obade, A.K. Pandarathodiyil, A.L. Oo, S. Warnakulasuriya, A. Ramanathan, Application of optical coherence tomography to study the structural features of oral mucosa in biopsy tissues of oral dysplasia and carcinomas, Clinical Oral Investigations 25 (9) (2021) 5411-5419.	AIS =0.774 Punctaj =4.25
7	N. Rezlescu, **F. Tudorache**, E. Rezlescu, P. D. Popa, *The effect of the additives and sintering temperature on the structure and humidity sensitivity of a spinel ferrite*, Journal of Optoelectronics and Advanced Materials 10 9 (2008) 2386-2389.	**Punctaj = 8.14**
	7.1. A. Purniawan, P.A. Timotius, H. Purwaningsih, S.T. Wicaksono, A. Rasyida, Effect of sintering temperature on morphology, mechanicai properties and degradation rate of magnesium alloy as biodegradabie materiai, Journal of Computational and Theoretical Nanoscience 17 (2-3) (2020) 1534-1538.	AIS =0.0 Punctaj =2.50
	7.2. E.M. Elsayed, M.M. Rashad, I.A. Ibrahim, M.R. Hussein, M.M.B. El-Sabbah, Electrochemical synthesis of nanocrystalline $NiFe_2O_4$Thin film from aqueous sulphate bath, Journal of Alloys and Compounds 798 (2019) 104-111.	AIS =0.629 Punctaj =5.64
8	**F. Tudorache**, E. Rezlescu, P. D. Popa, N. Rezlescu, *Study of some simple ferrites as reducing gas sensors*, Journal of Optoelectronics and Advanced Materials 10 7 (2008) 1889-1893.	**Punctaj = 65.66**
	8.1. R. Ranga, A. Kumar, P. Kumari, P. Singh, V. Madaan, K. Kumar, Ferrite application as an electrochemical sensor: A review, Materials Characterization 178 (2021) 111269.	AIS =0.801 Punctaj =6.50
	8.2. M.A. Njoroge, N.M. Kirimi, K.P. Kuria, Spinel ferrites gas sensors: a review of sensing parameters, mechanism and the effects of ion substitution, Critical Reviews in Solid State and Materials Sciences (2021) 10.1080/10408436.2021.1935213.	AIS =1.925 Punctaj =12.12
	8.3. V. Manikandan, M. Singh, B.C. Yadav, R.S. Mane, S. Vigneselvan, A. Mirzaei, J. Chandrasekaran, Room temperature LPG sensing properties of tin substituted copper ferrite ($Sn{-}CuFe_2O_4$) thin film, Materials Chemistry and Physics 240 (2020) Article number 122265.	AIS =0.513 Punctaj =5.06
	8.4. J. Shi, H. Liang, X. Xia, Z. Li, Z. Long, H. Zhang, Y. Liu, Preparation of high-quality $CuGa_2O_4$ film via annealing process of Cu/β-Ga_2O_3, Journal of Materials Science 54 (16) (2019) 11111-11116.	AIS =0.565 Punctaj =5.32
	8.5. V. Manikandan, A. Mirzaei, S. Vigneselvan, S. Kavita, R.S. Mane, S.S. Kim, Chandrasekaran, J.g , Role of ruthenium in the dielectric, magnetic properties of nickel ferrite (Ru-$NiFe_2O_4$) nanoparticles and their application in hydrogen sensors, ACS Omega 4 (7) (2019) 12919-12926.	AIS =0.573 Punctaj =5.36
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	47.2. 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 21 (3) (2021) Article number 9206127, 2589-2596	AIS =0.612 Punctaj =3.71
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Total I.6. = 2432.02 puncte		
II. 6. Participări la manifestări ştiinţifice Membru în comisii concurs în vederea ocupării unui post didactic ori de cercetare în învățământul universitar 5 puncte/comisie		
1	Membru în comisia de concurs 2021 Asistent Cercetare, poziţia 11	Punctaj = 5
2	Membru în comisia de concurs 2021 Cercetător Ştiinţific, poziţia 9	Punctaj = 5
3	Membru în comisia de concurs 2020 Cercetător Ştiinţific, poziţia 9	Punctaj = 5
4	Membru în comisia de concurs 2020 Cercetător Ştiinţific III, poziţia 7	Punctaj = 5
Total II. 6. = 20 puncte		

Criteriile minimale de performanţă ale Universităţii sunt îndeplinite şi chiar depăşite pentru fiecare din ultimii 5 ani

Criterii minimale de performanţă ale Universităţii pentru C.S. III
– factor de impact individual ≥ 0.6
– cel puţin 1 lucrare ISI în zona galbenă
– cel puţin 1 propunere de proiect depusă la competiţii naţionale/internaţionale în ultimii 3 ani

Anul	2017	2018	2019	2020	2021	Total
IF individual	0.881	2.485	1.899	1.940	3.828	11.033
Număr lucrări ISI	2	2	4	2	3	13
Număr proiecte depuse	1	0	2	1	2	6
Citări	89	154	130	115	108	596
Cereri brevete depuse	2					2
Capitole cărţi					1	1