



FIȘA DE EVALUARE GENERALĂ A STANDARDELOR UNIVERSITĂȚII
(Anexei 1)

Nr. crt.	Descriptor	Punctaj
1.	Articole științifice publicate in extenso în reviste cotate Web of Science cu factor de impact (Metoda de calcul: $(60 \text{ puncte} \times \text{factor de impact} + 25) / \text{număr autori}$)	
	1. Sprincean, V., Leontie, L., Caraman, I., Lupan, O., Adeling, R., Gurlui, S., Carlescu, A. , Doroftei, C., Caraman, M., <i>Preparation, Chemical Composition, and Optical Properties of (β-Ga₂O₃ Composite Thin Films)/(GaS_xSe_{1-x} Lamellar Solid Solutions) Nanostructures</i> , Nanomaterilas , 13(14), 2023 , Article Number: 2052 (DOI: 10.3390/nano13142052), FI = 5.3, Q1, AIS = 0.707, (nr. autori = 9)	38.111
	2. En-nadir, R., El-ghazi, H., Leontie, L., Tihtih, M., Zaki, S.E., Belaid, W., Carlescu, A. , Zorkani, I., <i>Tailoring optoelectronic properties of InGaN-based quantum wells through electric field, indium content, and confinement shape: A theoretical investigation</i> , Physica B-Condensed Matter , 663, 2023 , Article Number: 414976 (DOI: 10.1016/j.physb.2023.414976), FI = 2.8, Q3, AIS = 0.343, (nr. autori = 8)	24.125
	3. Kadri, L., Abderrahmane, A., Bulai, G., Carlescu, A. , Doroftei, C., Motrescu, I., Gurlui, S., Leontie, L., Adnane, M., <i>Optical and Structural Analysis of TiO₂-SiO₂ Nanocomposite Thin Films Fabricated via Pulsed Laser Deposition Technique</i> , Nanomaterials , 13(10), 2023 , Article Number: 1632 (DOI: 10.3390/nano13101632), FI = 5.3, Q1, AIS = 0.707, (nr. autori = 9)	38.111
	4. Doroftei, C., Leontie, L., Danac, R., Al Matarneh, C.M., Carlescu, A. , <i>Exploring Pyrrolo-Phenanthrolines as Semiconductors for Potential Implementation in Organic Electronics</i> , Materials , 16(9), 2023 , Article Number: 3366 (DOI: 10.3390/ma16093366), FI = 3.4, Q1, AIS = 0.510, (nr. autori = 5)	45.800
	5. Achehboune, M., Khenfouch, M., Boukhoubza, I., Derkaoui, I., Leontie, L., Carlescu, A. , Mothudi, B.M., Zorkani, I., Jorio, A., <i>Optimization of the luminescence and structural properties of Er-doped ZnO nanostructures: effect of dopant concentration and excitation wavelength</i> , Journal of Luminescence , 246, 2022 , 18843–18843 (DOI:10.1016/j.jlumin.2022.118843), FI = 4.171, Q2, AIS = 0.431, (nr. autori = 9)	30.584
	6. Sprincean, V., Leontie, L., Caraman, I., Untila, D., Girtan, M., Gurlui, S., Lisnic, P., Doroftei, C., Carlescu, A. , Iacomi, F., Caraman, M., <i>Optical and Photosensitive Properties of Flexible</i>	22.716

	<i>n(p)-InSe/In₂O₃ Heterojunctions</i> , Materials , 15(9), 2022 , 3140–3140 (DOI: 10.3390/ma15093140), FI = 3.748, Q1, AIS = 0.541, (nr. autori = 11)	
	7. Doroftei, C., Carlescu, A. , Leontie, L., Danac, R., Al-Matarneh, C.M., <i>Structural, Electrical and Optical Properties of Pyrrolo[1,2-i][1,7] Phenanthroline-Based Organic Semiconductors</i> , Materials , 15(5), 2022 , 1684–1684 (DOI: 10.3390/ma15051684), FI = 3.748, Q1, AIS = 0.541, (nr. autori = 5)	49.976
	8. Kadri, L., Bulai, G., Carlescu, A. , George, S., Gurlui, S., Leontie, L., Doroftei, C., Adnane, M., <i>Effect of target sintering temperature on the morphological and optical properties of pulsed laser deposited TiO₂ thin films</i> , Coatings , 11(5), Article Number: 561, 2021 (DOI: 10.3390/coatings11050561), FI = 2.881, Q2, AIS = 0.406, (nr. autori = 8)	24.732
	9. Boukhoubza, I., Khenfouch, M., Achehboune, M., Leontie, L., Carlescu, A. , Doroftei, C., Mothudi, B.M., Zorkani, I., Jorio, A., <i>Graphene oxide coated flower-shaped ZnO nanorods: Optoelectronic properties</i> , Journal of Alloys and Compounds , 831, Article Number: 154874, 2020 (DOI: 10.1016/j.jallcom.2020.154874), FI = 5.316, Q1, AIS = 0.719, (nr. autori = 9)	38.217
	10. Boukhoubza, I., Khenfouch, M., Achehboune, M., Leontie, L., Galca, A.C., Enculescu, M., Carlescu, A. , Guerboub, M., Mothudi, B.M., Jorio, A., Zorkani, I., <i>Graphene oxide concentration effect on the optoelectronic properties of ZnO/GO nanocomposites</i> , Nanomaterials , 10(8), Article Number: 1532, 2020 , (DOI: 10.3390/nano10081532), FI = 5.076, Q1, AIS = 0.759, (nr. autori = 11)	29.960
	11. Leontie, L., Sprincean, V., Untila, D., Spalatu, N., Caraman, J., Cojocaru, A., Susu, O., Lupari, O., Evtodiev, I., Vataavu, E., Tiginyanu, I., Carlescu, A. , Caraman, M., <i>Synthesis and optical properties of Ga₂O₃ nanowires grown on GaS substrate</i> , Thin Solid Films , 689, Article Number: 137502, 2019 , (DOI: 10.1016/j.tsf.2019.137502), FI = 2.030, Q3, AIS = 0.329, (nr. autori = 13)	11.292
	12. Leontie, L., Doroftei, C., Carlescu, A. , <i>Nanocrystalline iron manganite prepared by sol-gel self-combustion method for sensor applications</i> , Applied Physics A Materials Science & Processing , 124(11), Article Number: 750, 2018 , (DOI: 10.1007/s00339-018-2175-3), FI = 1.784, O2, AIS = 0.308, (nr. autori = 3)	44.013
	13. Leontie, L., Danac, R., Carlescu, A. , Doroftei, C., Rusu, G.G., Tiron, V., Gurlui, S., Susu, O., <i>Electric and optical properties of some new functional lower-rim-substituted calixarene derivatives in thin films</i> , Applied Physics A Materials Science & Processing , 124(5), Article Number: 355, 2018 , (DOI: 10.1007/s00339-018-1784-1), FI = 1.784, O2, AIS = 0.308, (nr. autori = 8)	16.505
	14. Danac, R., Leontie, L., Carlescu, A. , Shova, S., Tiron, V., Rusu, G.G., Iacomì, F., Gurlui, S., Susu, O., Rusu, G.I., <i>Electric conduction mechanism of some heterocyclic compounds, 4,4'-bipyridine and indolizine derivatives in thin films</i> , Thin Solid Films , 612, 2016 , 358–368, (DOI: 10.1016/j.tsf.2016.06.012), FI = 1.879, Q3, AIS = 0.383, (nr. autori = 10)	13.774
	15. Al Matarneh, C.M., Danac, R., Leontie, L., Tudorache, F., Petrila, I., Iacomì, F., Carlescu, A. , Nedelcu, G., Mangalagiu, I., <i>Synthesis</i>	9.497

	<i>and electron transport properties of some new 4,7-phenanthroline derivatives in thin films</i> , Environmental Engineering and Management Journal , 14(2), 2015 , 421–431, FI = 1.008, Q4, AIS = 0.074, (nr. autori = 9)	
	16. Danac, R., Leontie, L., Girtan, M., Prelipceanu, M., Graur, A., Carlescu, A. , Rusu, G.I., <i>On the direct current electric conductivity and conduction mechanism of some stable disubstituted 4-(4-pyridyl) pyridinium ylides in thin films</i> , Thin Solid Films , 556, 2014 , 216–222, (DOI: 10.1016/j.tsf.2014.01.076), FI = 1.759, Q3, AIS = 0.456, (nr. autori = 7)	18.648
	17. Leontie, L., Danac, R., Girtan, M., Carlescu, A. , Rambu, A.P., Rusu, G.I., <i>Electron transport properties of some new 4-tert-butylcalix[4]arene derivatives in thin films</i> , Materials Chemistry and Physics , 135(1), 2012 , 123–129, (DOI: 10.1016/j.matchemphys.2012.04.034), FI = 2.072, Q2, AIS = 0.6, (nr. autori = 6)	24.886
	18. Danac, R., Leontie, L., Carlescu, A. , Rusu, G.I., <i>d.c. electric conduction mechanism of some newly synthesized indolizine derivatives in thin films</i> , Materials Chemistry and Physics , 134(2–3), 2012 , 1042–1048, (DOI: 10.1016/j.matchemphys.2012.03.110), FI = 2.072, Q2, AIS = 0.6, (nr. autori = 4)	37.330
	19. Tabacaru, C., Carlescu, A. , Sandu, A.V., Petcu, M.I., Iacomì, F., <i>Effect of annealing and gamma irradiation on clay mineral properties</i> , Revista de Chimie , 62(4), 2011 , 427–431, FI = 0.599, Q3, AIS = 0.03, (nr. autori = 5)	12.188
	20. Axinte, C., Nadejde, C., Ursache, M., Airinei, A., Cirlescu, A. , Racuciu, M., Creanga, D., <i>Magnetic submicron powder preparation and characterization</i> , Researches in Powder Metallurgy , 672, 2011 , 281–285, (DOI: 10.4028/www.scientific.net/MSF.672.281), FI = 0.339, Q4, AIS = 0.2, (nr. autori = 7)	6.477
	21. Leontie, L., Danac, R., Druta, I., Carlescu, A. , Rusu, G.I., <i>Electron transport properties of some newly synthesized nonsymmetrical bisindolizines in thin films</i> , Synthetic Metals , 160(23–24), 2010 , 2526–2533, (DOI: 10.1016/j.synthmet.2010.09.039), FI = 1.871, Q2, AIS = 0.6, (nr. autori = 5)	27.452
	22. Leontie, L., Danac, R., Druta, I., Carlescu, A. , Rusu, G.I., <i>Newly synthesized fused heterocyclic compounds in thin films with semiconductor properties</i> , Synthetic Metals , 160(11–12), 2010 , 1273–1279, (DOI: 10.1016/j.synthmet.2010.03.022), FI = 1.871, Q2, AIS = 0.6, (nr. autori = 5)	27.452
	23. Focanici, E., Cirlescu, A. , Nica, V., Creanga, D., Sulitanu, N., <i>Comparative study of magnetite and cobalt ferrite submicron particles</i> , Optoelectronics and Advanced Materials-Rapid Communications , 3(4), 2009 , 326–329, FI = 0.451, Q4, AIS = 0.11, (nr. autori = 5)	10.412
	24.	
	Subtotal 1	602.258
2.	Articole științifice publicate in extenso în reviste indexate ISI fără factor de impact (Metoda de calcul: 20 puncte / număr autori)	
	1. Boukhoubza, I., Khenfouch, M., Leontie, L., Achehboune, M., Doroftei, C., Carlescu, A. , Bulai, G., Mothudi, B.M., Zorkani, I., Jorio, A., <i>Enhancement of the structural and morphological properties of ZnO/rGO nanocomposites synthesized by</i>	2.000

	hydrothermal method, Materials Today: Proceedings , 53, 2022, 324–331 (DOI: 10.1016/j.matpr.2021.04.634) (nr. autori = 10)	
	2. Achehboune, M., Khenfouch, M., Boukhoubza, I., Leontie, L., Doroftei, C., Carlescu, A. , Bulai, G., Mothudi, B., Zorkani, I., Jorio, A., Microstructural, FTIR and Raman spectroscopic study of Rare earth doped ZnO nanostructures, Materials Today: Proceedings , 53, 2022, 319–323 (DOI: 10.1016/j.matpr.2021.04.144) (nr. autori = 10)	2.000
	3. Doroftei, C., Prelipceanu, O.S., Carlescu, A. , Leontie, L., Prelipceanu, M., <i>Porous spinel-type oxide semiconductors for high-performance acetone sensors</i> , Book Group Author: IEEE , 14th International Conference on Development and Application Systems (DAS), 2018, 110–113 (nr. autori = 5)	4.000
	4. Iacomì, F., Lazar, A., Frunza, R., Rotaru, R., Carlescu, A. , Sandu, I., Purica, M., Gavrila, R., <i>Electric and optical properties of $In_{2-x}Sn_xZn_vO_{3-\delta}$ thin films</i> , Book Series: International Semiconductor Conference , 2011 International Semiconductor Conference (CAS 2011), 34 th Edition, VOLS 1 AND 2, 2011, 283–286 (nr. autori = 8)	2.500
	5. Ursache-Oprisan, M., Foca-nici, E., Cirlescu, A. , Caltun, O., Creanga, D., <i>Oleate coated magnetic cores based on magnetite, Zn ferrite and Co ferrite nanoparticles - preparation, physical characterization and biological impact on helianthus annuus photosynthesis</i> , Book Series: AIP Conference Proceedings , 8 th International Conference on the Scientific and Clinical Applications of Magnetic Carriers, 1311, 2010, 425–430 (nr. autori = 5)	4.000
	6. Ciurlica, E.L.F.N., Nadejde, C., Creanga, D.E., Carlescu, A. , Badescu, V., <i>Antibiotic coated magnetite nanoparticles for biological applications</i> , Book Group Author: TANGER Ltd , NANOCON 2010, 2 nd International Conference, 2010, 446–450 (nr. autori = 5)	4.000
	7. Nadejde, C., Ciurlica, E.F.N., Creanga, D., Carlescu, A. , Badescu, V., <i>Magnetite nanoparticles coated with rifampicin and chlortetracycline for drug delivery applications</i> , Book Series: AIP Conference Proceedings , 8 th International Conference on the Scientific and Clinical Applications of Magnetic Carriers, 1311, 2010, 388–394 (nr. autori = 5)	4.000
	8.	
	Subtotal 2	22.500
3.	Articole științifice publicate in extenso în reviste indexate BDI (Metoda de calcul: 15 puncte / număr autori)	
	1. Dascalu, F.C., Carlescu, A. , Curecheriu, L.P., Ianculescu, A., Mitoșeriu, L., <i>Complex dielectric permittivity of $BaTi_{0.85}Zr_{0.15}O_3$ ceramics prepared by alternative methods</i> , Revista Științifică "Vasile Adamachi" , 2008, 127–130 (nr. autori = 5)	3.000
	2.	
	Subtotal 3	3.000
4.	Articole științifice publicate in extenso în volumele conferințelor	

	Indexate ISI (Metoda de calcul: 30 puncte / număr autori)	
	1.	
	2.	
	Indexate în BDI (Metoda de calcul: 15 puncte / număr autori)	
	1.	
	2.	
	Alte categorii (Metoda de calcul: 5 puncte / număr autori)	
	1.	
	2.	
	Subtotal 4	
5.	Cărți științifice publicate (doar prima ediție)	
	Edituri academice internaționale (Metoda de calcul: 100 puncte la 100 pagini / număr autori)	
	1.	
	2.	
	Alte edituri internaționale (Metoda de calcul: 70 puncte la 100 pagini / număr autori)	
	1.	
	2.	
	Edituri academice naționale (Metoda de calcul: 50 puncte la 100 pagini / număr autori)	
	1.	
	2.	
	Alte edituri naționale (Metoda de calcul: 20 puncte la 100 pagini / număr autori)	
	1.	
	2.	
	Subtotal 5	
6.	Cărți științifice traduse și publicate în edituri din străinătate (Metoda de calcul: 100 puncte la 100 pagini / număr autori)	
	1.	
	2.	
	Subtotal 6	
7.	Coordonarea și editarea de volume, traduceri și antologii	
	În edituri academice internaționale (Metoda de calcul: 60 puncte / număr autori)	
	1.	
	2.	
	În alte edituri internaționale (Metoda de calcul: 40 puncte / număr autori)	
	1.	
	2.	
	În edituri academice naționale (Metoda de calcul: 30 puncte / număr autori)	
	1.	

	2.	
	În alte edituri naționale <i>(Metoda de calcul: 15 puncte / număr autori)</i>	
	1.	
	2.	
	Subtotal 7	
8.	Articole publicate în dicționare și enciclopedii	
	În edituri academice internaționale <i>(Metoda de calcul: 30 puncte / număr autori)</i>	
	1.	
	2.	
	În alte edituri internaționale <i>(Metoda de calcul: 20 puncte / număr autori)</i>	
	1.	
	2.	
	În edituri academice naționale <i>(Metoda de calcul: 15 puncte / număr autori)</i>	
	1.	
	2.	
	În alte edituri naționale <i>(Metoda de calcul: 5 puncte / număr autori)</i>	
	1.	
	2.	
	Subtotal 8	
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)	
	Director la contracte internaționale <i>(Metoda de calcul: 100 puncte pentru fiecare 100.000 Euro)</i>	
	1.	
	2.	
	Membru în contracte internaționale <i>(Metoda de calcul: 100 puncte pentru fiecare 100.000 Euro / numărul membrilor echipei de cercetare)</i>	
	1. Membru proiect nr 86, tema nr. 04-4-1121-2015/2020 “Investigations of Condensed Matter by Modern Neutron Scattering Methods”; Cooperare bilaterală - Universitatea Alexandru Ioan Cuza din Iași și Join Institute of Nuclear Physics din Dubna; 2018 2514,36 dolari, 6 membri; nr. puncte = $2,0279/6 = 0,3379$	0.337
	2 Membru al proiectului de Cooperare bilaterală România-Rusia „Straturi subțiri oxidice și structuri nanocompozite cu proprietăți adaptate la aplicații avansate/Oxide thin films and nanocomposite structures with tunable properties for advanced applications”, Universitatea ”Al. I. Cuza” din Iași (RO) și Join Institute of Nuclear Physics (RU); 01.01.2017-31.12.2017; 3900 dolari, 10 membri; $3,323 \text{ puncte}/10 = 0,332$	0.332

	1.	
	Director la contracte naționale (Metoda de calcul: 50 puncte pentru fiecare 500.000 Lei)	
	1.	
	2.	
	Membru în contracte naționale (Metoda de calcul: 50 puncte pentru fiecare 500.000 Lei / numărul membrilor echipei de cercetare)	
	1.	
	2.	
	Subtotal 9	0.669
10.	Contracte de cercetare în mediul de afaceri și sectorul public	
	Cu organizații internaționale (Metoda de calcul: 100 puncte pentru fiecare 100.000 Euro)	
	1.	
	2.	
	Cu firme multinaționale (Metoda de calcul: 100 puncte pentru fiecare 100.000 Euro)	
	1.	
	2.	
	Cu firme naționale (Metoda de calcul: 50 puncte pentru fiecare 500.000 Euro)	
	1.	
	2.	
	Cu organizații administrative naționale (Metoda de calcul: 40 puncte pentru fiecare 500.000 Euro)	
	1.	
	2.	
	Cu alte organizații publice de nivel național (Metoda de calcul: 30 puncte pentru fiecare 500.000 Euro)	
	1.	
	2.	
	Sbttotal 10	
11.	Brevete	
	Internaționale (Metoda de calcul: 100 puncte / număr de autori)	
	1.	
	2.	
	Naționale (Metoda de calcul: 30 puncte / număr de autori)	
	1.	
	2.	
	Subtotal 11	
12.	Citări și recenzii ale lucrărilor științifice	
	În reviste de specialitate din străinătate (Metoda de calcul: $(10 + 20 \times \text{factor de impact}) / \text{număr autori}$, pentru fiecare citare)	
	Lucrarea: Optical and Structural Analysis of TiO ₂ -SiO ₂ Nanocomposite Thin Films Fabricated via Pulsed Laser Deposition Technique, Nanomaterials, 13(10), Article	

Number: 1632, 2023. Autori: Kadri, L., Abderrahmane, A., Bulai, G., Carlescu, A. , Doroftei, C., Motrescu, I., Gurlui, S., Leontie, L., Adnane, M. (Număr de autori: 9)		
1. Osora H., Kolkoma D., Anduwan G., Waimbo M., Velusamy S., Hydrothermally Grown SnO ₂ and SnO ₂ /rGO Nanocomposite and Its Physio-Electrochemical Studies for Pseudocapacitor Electrode Applications, JOURNAL OF CLUSTER SCIENCE, 2023. FI: 2.8	7.333	
2. Tian S., Feng Y.X., Zheng Z.Y., He Z.L., TiO ₂ -Based Photocatalytic Coatings on Glass Substrates for Environmental Applications, COATINGS, 2023. FI: 3.4	8.666	
Lucrarea: Optimization of the luminescence and structural properties of Er-doped ZnO nanostructures: effect of dopant concentration and excitation wavelength, JOURNAL OF LUMINESCENCE, 246, 18843–18843, 2022. Autori: Achehboune, M., Khenfouch, M., Boukhoubza, I., Derkaoui, I., Leontie, L., Carlescu, A., Mothudi, B.M., Zorkani, I., Jorio, A. (Număr de autori: 9)		
1. Shoaib M., Ghazanfar U., Ullah S., Tailoring the gas sensing parameters of pure ZnO sensor with addition of Ni, MATERIALS SCIENCE AND ENGINEERING B-ADVANCED FUNCTIONAL SOLID-STATE MATERIALS, 2023. FI: 3.6	9.111	
2. França R., Araujo F.P., Castro-Lopes S., Neves L., Melo A., Jeronimo A.G., Osajima J.A., Guerra Y., Almeida L.C., Peña-Garcia R., Effect of Cr cations addition on the structural, morphological, optical, and photocatalytic properties of Er-doped ZnO structures, MATERIALS TODAY COMMUNICATIONS, 2023. FI: 3.8	9.555	
3. Ca N.X., Hien N.T., Fan X.X., Do P.V., Yen V.H., Hao P.V., Quynh L.K., Huong T.T.T., Quang V.X., New insights on the luminescence properties and Judd-Ofelt analysis of Er-doped ZnO semiconductor quantum dots, RSC ADVANCES, 2023. FI: 3.9	9.777	
4. Ahmed S.M., Imam H., Photocatalytic activity of hybrid Ag/Er:ZnO nanoparticles synthesized by pulsed laser ablation in distilled water, PHYSICA SCRIPTA, 2023. FI: 2.9	7.555	
5. Cabello-Guzmán G., Matus M., Fernández L., Caro-Díaz C., Lillo L., Valenzuela-Melgarejo F., Seguel M., Synthesis, characterization and exploration of the NIR luminescent properties in HfO ₂ : Er, HfO ₂ :Tm and HfO ₂ :Er/Tm films photochemically prepared, MATERIALS CHEMISTRY AND PHYSICS, 2023. FI: 4.6	11.333	
6. Hu J.S., Wu Y.X., Duan B., Li Y.Q., Wang F.Y., Jin W., Ding C.C., Enhanced upconversion luminescence and single-band red emission in β -Ba ₂ ScAlO ₅ : Yb ³⁺ /Er ³⁺ phosphor through doping Cu ²⁺ , JOURNAL OF LUMINESCENCE, 2023. FI: 3.6	9.111	
7. Castro T.J., Conceição E.J.F., Aragón F.F.H., Coaquira J.A.H., Morais P.C., da Silva S.W., Structural, optical and magnetic properties of Er _x Zn _{1-x} O nanoparticles: The impact of the Er-content, JOURNAL OF ALLOYS AND COMPOUNDS, 2023. FI: 6.2	14.888	
8. Gartner M., Stroescu H., Mitrea D., Nicolescu M., Various	11.333	

	Applications of ZnO Thin Films Obtained by Chemical Routes in the Last Decade, MOLECULES, 2023. FI: 4.6	
	9. Buryi M., Ridzonová K., Neykova N., Landová L., Hájek F., Babin V., Decká K., Sharma R.K., Pop-Georgievski O., Effect of UV Irradiation on the Growth of ZnO:Er Nanorods and Their Intrinsic Defects, CHEMOSENSORS, 2023. FI: 4.2	10.444
	10. Birajdar S.D., Saraf A.R., Maharolkar A.P., Gattu K.P., Patil N.G., Chavan R.B., Jamkar M.V., Mundhe Y.S., Kambale R.N., Alange R.C., Yadav S.P., Intrinsic defect-induced magnetism and enhanced photocatalytic activity in Zn _{1-x} Zr _x O (0.0? x? 0.07) nanoparticles for spintronic device and photocatalytic application, JOURNAL OF ALLOYS AND COMPOUNDS, 2022. FI: 6.371	15.268
	11. Pathania S., Hmar J.J.L., Verma B., Majumder T., Kumar V., Chinnamuthu P., Titanium Dioxide (TiO ₂) Sensitized Zinc Oxide (ZnO)/Conducting Polymer Nanocomposites for Improving Performance of Hybrid Flexible Solar Cells, JOURNAL OF ELECTRONIC MATERIALS, 2022. FI: 2.047	5.66
	Lucrarea: Microstructural, FTIR and Raman spectroscopic study of Rare earth doped ZnO nanostructures, Materials Today: Proceedings, 53, 319–323, 2022. Autori: Achehboune M., Khenfouch M., Boukhoubza I., Leontie L., Doroftei C., Carlescu A. , Bulai G., Mothudi B., Zorkani I., Jorio A. (Număr de autori: 10)	
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	8. Nikolic M.V., Lukovic M.D., Dojcinovic M., Vasiljevic Z.Z., Labus N.J., Application of Iron Manganite Thick Films for Humidity Sensing, Book Series: International Spring Seminar on Electronics Technology ISSE, 2019 42ND INTERNATIONAL	3.333

SPRING SEMINAR ON ELECTRONICS TECHNOLOGY (ISSE), 2019. FI: 0	
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1. Shedama R.M., Kashida P.P., Mathada S.N., Deshmukh R.B., Shedam M.R., Gadkari A.B., Ferrites gas sensors: A Review, PHYSICS AND CHEMISTRY OF SOLID STATE, 2022. FI: 0	2.000
2. Njoroge M.A., Kirimi N.M., Kuria K.P., Spinel ferrites gas sensors: a review of sensing parameters, mechanism and the effects of ion substitution, CRITICAL REVIEWS IN SOLID STATE AND MATERIALS SCIENCES, 2022. IF: 11.178	46.712
3. Njoroge M.A., Kirimi N.M., Kuria K.P., 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. FI: 8.344	35.376
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3. Liu Y., Hu H.Y., Zhou J.Y., Wang W.H., He Y.L., Wang C., Application of primary halogenated hydrocarbons for the synthesis of 3-aryl and 3-alkyl indolizines, ORGANIC & BIOMOLECULAR CHEMISTRY, 2017. FI: 3.423	7.846
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1 Doroftei C., Formaldehyde sensitive Zn-doped LPFO thin films obtained by rf sputtering, SENSORS AND ACTUATORS B-CHEMICAL, 2016. FI: 5.401	19.670
2 Palai A.K., Lee J., Jea M., Na H., Shin T.J., Jang S., Park S.U., Pyo S., Symmetrically functionalized diketopyrrolopyrrole with alkylated thiophene moiety: from synthesis to electronic devices applications, JOURNAL OF MATERIALS SCIENCE, 2014. FI: 2.371	9.570
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1 Pascariu P., Vernardou D., Suchea M.P., Airinei A., Ursu L.,	33.945

	Bucur S., Tudose I.V., Ionescu O.N., Koudoumas E., Tuning electrical properties of polythiophene/nickel nanocomposites via fabrication, MATERIALS & DESIGN, 2019. FI: 6.289	
2	Humelnicu I., Vasilache V., Synthesis and Structure of a New Class of Fused Heterocycle with 8,9-Dihydro-pyridazino[1,2,4]triazine Skeleton, REVISTA DE CHIMIE, 2017. FI: 1.412	9.560
3	Antoci V., Humelnicu I., Vasilache V., Mantu D., Synthesis, Structure and Biological Activity of Some Hybrid Benzimidazole / Quinoline Derivatives, REVISTA DE CHIMIE, 2016. FI: 1.232	8.660
4	Zbancioc G., Moldoveanu C., Humelnicu I., Vasilache V., Mangalagiu I.I., Pyridine/Quinoline Derivatives Bearing a Imidazole/Benzimidazole Moiety A LC-MS approach of structure determination, REVISTA DE CHIMIE, 2016. FI: 1.232	8.660
5	Doroftei C., Formaldehyde sensitive Zn-doped LPFO thin films obtained by rf sputtering, SENSORS AND ACTUATORS B-CHEMICAL, 2016. FI: 5.401	29.505
6	Mantu D., Antoci V., Vasilache V., Luca C.M., Structure and Anticancer Activity of Some bis-pyridazine Derivatives, REVISTA DE CHIMIE, 2016. FI: 1.232	8.660
7	Wang P., Cai J., Chen J.Q., Ji M., Studies on the Base-Induced Rearrangement of 5-methyl-3-nitrosoindolizine Derivatives, JOURNAL OF THE CHEMICAL SOCIETY OF PAKISTAN, 2015. FI: 0.276	3.880
8	Zbancioc A.M., Tataringa G., Jitareanu A., Rotinberg P., Mihai C.T., Zbancioc G., Miron A., Luca C.M., Structure and Cytotoxic Activity of Some Dihydroxyacetophenone Derivatives, REVISTA DE CHIMIE, 2015. FI: 0.956	7.280
9	Moldoveanu C., Vasilache V., Risca I.M., Biological Effects of Some New Imidazole Derivatives on Spruce (Picea Abies) Germination, REVISTA DE CHIMIE, 2015. FI: 0.956	7.280
10	Vasilache V., Moldoveanu C., Fartais L., Risca I.M., Effect of Some New Imidazole Derivatives on Wheat (Triticum Aestivum) Germination, REVISTA DE CHIMIE, 2014. FI: 0.810	6.550
11	Costa M., Noro J., Brito A., Proenca F., Tandem Cyclization of a Bispyridinium Chloride: Facile Synthesis of Substituted Indolizines, SYNLETT, 2013. FI: 2.463	14.815
12	Zbancioc A.M., Miron A., Moldoveanu C., Zbancioc G., Imidazolium Salts with Dihydroxyacetophenone Skeleton with Anticipated Anticancer Activity. II, REVISTA DE CHIMIE, 2013. FI: 0.677	5.885
13	Cai Q., Zhu Y.P., Gao Y., Sun J.J., Wu A.X., A direct method for the synthesis of indolizine derivatives from easily available aromatic ketones, pyridines, and acrylonitrile derivatives, CANADIAN JOURNAL OF CHEMISTRY, 2013. FI: 1.013	7.565
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Sandu A.V., Petcu M.I., Iacomî F. (Număr de autori: 5)		
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1. Montvydiene D., Jagminas A., Jurgelene Z., Kazlauskas M., Butrimiene R., Zukauskaitė Z., Kazlauskienė N., Toxicological effects of different-sized Co-Fe (CoFe ₂ O ₄) nanoparticles on Lepidium sativum L.: towards better understanding of nanophytotoxicity, ECOTOXICOLOGY, 2021. FI: 2.823	13.292	
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2. Mantu D., Antoci V., Vasilache V., Luca C.M., Structure and Anticancer Activity of Some bis-pyridazine Derivatives, REVISTA DE CHIMIE, 2016. FI: 1.232	6.928	
3. Zbancioc A.M., Tataringa G., Jitareanu A., Rotinberg P., Mihai C.T., Zbancioc G., Miron A., Luca C.M., Structure and Cytotoxic Activity of Some Dihydroxyacetophenone Derivatives, REVISTA DE CHIMIE, 2015. FI: 0.956	5.824	
4. Moldoveanu C., Vasilache V., Risca I.M., Biological Effects of Some New Imidazole Derivatives on Spruce (Picea Abies) Germination, REVISTA DE CHIMIE, 2015. FI: 0.956	5.824	
5. Vasilache V., Moldoveanu C., Fartais L., Risca I.M., Effect of Some New Imidazole Derivatives on Wheat (Triticum Aestivum) Germination, REVISTA DE CHIMIE, 2014. FI: 0.810	5.240	

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8. Pipinys P., Kiveris A., Variable range hopping and/or phonon-assisted tunneling mechanism of electronic transport in polymers and carbon nanotubes, CENTRAL EUROPEAN JOURNAL OF PHYSICS, 2012. FI: 0.905	5.620
Lucrarea: Newly synthesized fused heterocyclic compounds in thin films with semiconductor properties, SYNTHETIC METALS, 160(11-12), 1273-1279, 2010. Autori: Leontie L., Danac R., Druta I., Carlescu A. , Rusu G.I. (Număr de autori: 5)	
1. Mahalingam M., Mohan P.S., Gayathri K., Gomathi R., Subhapriya P., Photo-induced antimicrobial and DNA cleavage studies of indoloquinolines and 1,8-naphtharidine, JOURNAL OF CHEMICAL SCIENCES, 2013. FI: 1.224	6.896
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1. Jampilek J., Kral'ova K., Nanoantimicrobials: Activity, Benefits, and Weaknesses, NANOSTRUCTURES FOR ANTIMICROBIAL THERAPY, Book Series: Nanostructures in Therapeutic Medicine, 2017. FI: 0	2.000
Lucrarea: Magnetite Nanoparticles Coated with Rifampicin and Chlortetracycline for Drug Delivery Applications, 8TH INTERNATIONAL CONFERENCE ON THE SCIENTIFIC AND CLINICAL APPLICATIONS OF MAGNETIC CARRIERS, Book Series: AIP Conference Proceedings, 1311, 388-394, 2010. Autori: Nadejde C., Ciurlica E.F.N., Creanga D., Carlescu A. , Badescu V. (Număr de autori: 5)	
1. Zhang L., Dong W.F., Sun H.B., Multifunctional superparamagnetic iron oxide nanoparticles: design, synthesis and biomedical photonic applications, NANOSCALE, 2013. FI: 6.739	28.956
2. Shekoufeh B.L.A., Lotfipour F., Magnetic nanoparticles for antimicrobial drug delivery, 2012. FI: 0.962	5.848
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1. Bodale I., Oprisan M., Stan C., Tufescu F., Racuciu M., Creanga D., Balasoiu M., Nanotechnological Application Based on CoFe ₂ O ₄ Nanoparticles and Electromagnetic Exposure on Agrotechnical Plant Growth, 3RD INTERNATIONAL CONFERENCE ON NANOTECHNOLOGIES AND BIOMEDICAL ENGINEERING, Book Series: FMBE Proceedings, 2016. FI: 0	2.000

	În reviste de specialitate din țară (Metoda de calcul: $(5 + 10 \times \text{factor de impact}) / \text{număr autori}$, pentru fiecare citare)	
	1.	
	2.	
	În monografii academice din străinătate (Metoda de calcul: 50 puncte / număr autori, pentru fiecare citare)	
	Lucrarea:	
	1.	
	2.	
	În monografii academice din țară (Metoda de calcul: 25 puncte / număr autori, pentru fiecare citare)	
	Lucrarea:	
	1.	
	2.	
	Subtotal 12	1444.559
13.	Lucrări susținute în calitate de invitat la manifestări științifice (conferințe, congrese, simpozioane, seminarii și ateliere de lucru)	
	Străinătate (Metoda de calcul: 25 puncte pentru fiecare activitate)	
	1.	
	2.	
	Țară (Metoda de calcul: 10 puncte pentru fiecare activitate)	
	1.	
	2.	
	Subtotal 13	
14.	Profesor/cercetător invitat la universități/institute de cercetare	
	Străinătate (Metoda de calcul: 25 puncte pentru fiecare activitate)	
	1.	
	2.	
	Țară (Metoda de calcul: 10 puncte pentru fiecare activitate)	
	1.	
	2.	
	Subtotal 14	
15.	Editor/Membru în Editorial Board & Advisory Board	
	Editor la Reviste cotate Web of Science (Metoda de calcul: 30 puncte pentru fiecare revistă)	
	1.	
	2.	
	Membru în colective de redacție la Reviste cotate Web of Science (Metoda de calcul: 20 puncte pentru fiecare revistă)	
	1.	
	2.	
	Editor la reviste internaționale și alte reviste ale Universității (Metoda de calcul: 10 puncte pentru fiecare revistă)	

	1.	
	2.	
	Membru în colective de redacție la la reviste internaționale și alte reviste ale Universității (Metoda de calcul: 20 puncte pentru fiecare revistă)	
	1.	
	2.	
	Subtotal 15	
16.	Premii internaționale obținute printr-un proces de selecție (Metoda de calcul: 100 puncte / categorie / număr persoane)	
	1.	
	2.	
	Subtotal 16	
17.	Premii ale Academiei Române (Metoda de calcul: 50 puncte / categorie / număr persoane)	
	1.	
	2.	
	Subtotal 17	
18.	Alte premii naționale ale instituțiilor culturale (Metoda de calcul: 20 puncte / categorie / număr persoane)	
	1.	
	2.	
	Subtotal 18	
19.	Participări la manifestări științifice	
	Internaționale – în calitate de președinte comitet de organizare /consiliu științific (Metoda de calcul 25 puncte)	
	1.	
	2.	
	Internaționale – în calitate de membru comitet organizare/consiliu științific (Metoda de calcul: pentru fiecare activitate 15 puncte)	
	1.	
	2.	
	Internaționale – în calitate de moderator de panel (Metoda de calcul: pentru fiecare activitate 15 puncte)	
	1.	
	2.	
	Internaționale – raportor pe secțiuni/paneluri (Metoda de calcul: pentru fiecare activitate 10 puncte)	
	1. Sprincean V., Leontie L., Gurlui S., Doroftei C., Carlescu A. , Iacom F., Macovei A., Caraman M., Lamellar gallium chalcogenides – native oxide nanocomposites for gas sensors, The 15th International Conference on Physics of Advanced Materials (ICPAM-15), November 19 – 26, 2023, in Sharm El Sheikh, Egypt. (Poster)	10.000
	2. Medjadji I., Benkhattou N., Hiadsi S., Elchikh M., Leontie L., Carlescu A. , Enhancing magnetoelectronic properties through As substitution in the new Heusler alloy Ru ₂ VSb _{0.5} As _{0.5} , The 15th International Conference on Physics of Advanced Materials	10.000

	(ICPAM-15), November 19 – 26, 2023, in Sharm El Sheikh, Egypt.	
	3. Sprincean V., Untila D., Gurău V., Leontie L., Gurlui S., Doroftei C., Carlescu A. , Iacomî F., Caraman M., Preparation, surface morphology and optical properties of CdGa ₂ S ₄ /native oxide nanostructures, 14 th International Conference on Physics of Advanced Materials ICPAM-14, 8-15 September, 2022, Dubrovnik, Croatia. (Poster)	10.000
	4. Untila D., Evtodiev I., Sprincean V., Leontie L., Gurlui S., Spalatu N., Carlescu A. , Iacomî F., Caraman M., Preparation and optical properties of Eu-doped β -Ga ₂ O ₃ nanoformations, 14 th International Conference on Physics of Advanced Materials ICPAM-14, 8-15 September, 2022, Dubrovnik, Croatia. (Poster)	10.000
	5. Mekki R., Zekri N., Leontie L., Tanase C., Doroftei C., Dumitras M., Carlescu A. , Study of the thermal degradation of vegetation from Oran's forest in Algeria, 13 th International Conference on Physics of Advanced Materials ICPAM-13, 24-30 September, 2021, Sant Feliu de Guixols, Spain. (Poster)	10.000
	6. Doroftei C., Prelipceanu O.S., Carlescu A. , Leontie L., Prelipceanu M., Porous spinel-type oxide semiconductors for high- performance acetone sensors, International Conference on Development and Application Systems 14 th Edition, 24-26 May, 2018, Suceava, Romania. (Oral presentation - Electronics and Computer Aided Engineering, Paper ID: C27)	10.000
	7. Doroftei C., Danac R., Al Matarneh C., Leontie L., Hrostea L., Carlescu A. , Susu O., Synthesis and electron transport properties of some recently synthesized functional pyrrolophenanthrolines in thin films, 12 th International Conference on Physics of Advanced Materials ICPAM-12 and the 3 rd Autumn School on Physics of Advanced Materials PAMS-3, 22–28 September, 2018, Heraklion, Crete, Greece. (Poster)	10.000
	8. Danac R., Leontie L., Carlescu A. , Doroftei C., Rusu G.G., Tiron V., Şuşu O., Gurlui S., Girtan M., Synthesis and electric properties of some new lower-rim substituted calixarenes derivatives in thin films, 16 th International Conference on Global Research and Education – InterAcademia, 25-28 September, 2017, Iasi, Romania. (Postar)	10.000
	9. Pascariu P., Carlescu A. , Leontie L., Sucheş M., Nanocomposites based on Ni/Polythiophene: structure and electrochemical properties, 16 th International Conference on Global Research and Education – InterAcademia, 25-28 September, 2017, Iasi, Romania. (Postar)	10.000
	10. Caraman I., Evtodiev I., Leontie L., Evtodiev S., Untila D., Caraman M., Doroftei C., Carlescu A. , Susu O., Optical and photoelectric properties of submicrometer structures obtained by dry heat treatment of <i>p</i> - and <i>n</i> -InSe single crystals, 11 th International Conference on Physics of Advanced Materials ICPAM-11, 8-14 September, 2016, Cluj-Napoca, Romania. (Poster)	10.000

11. Carlescu A. , Morazau I., Doroftei C., Popa A., Dobromir M., Tampu D., Bernhard C., Iacom F., Structural and functional studies on LSMO thin films with possible application in spintronics, 11 th International Conference on Physics of Advanced Materials ICPAM-11, 8-14 September, 2016, Cluj-Napoca, Romania. (Poster)	10.000
12. Boudharaa T., Leontie L., Doroftei C., Carlescu A. , Susu O., Hamzaoui A.H., Dumitras M., Pohoata V., 11 th International Conference on Physics of Advanced Materials ICPAM-11, 8-14 September, 2016, Cluj-Napoca, Romania. (Poster)	10.000
13. Carlescu A. , Bernhard C., Deac I., Popa A., Lazar D., Traian Jr. P., Iacom F., Magnetoresistance in spin-valve devices with organic semiconductor spacer, The 8 th International Conference on Advanced Materials ROCAM 2015, 7-10 July, 2015, Bucharest, Romania. (Poster)	10.000
14. Carlescu A. , Bernhard C., Nuccio L., Iacom F., Thermally-induced crystallization of Alq3 thin films, International Conference On Nanostructures Self Assembly NANOSEA2014, 7-11 July, 2014, Marseille, France. (Poster)	10.000
15. Carlescu A. , Bernhard C., Nuccio L., Iacom F., Magnetoresistance in Spin-Valve Devices with Organic Semiconductor Spacer Alq3, International Conference On Nanostructures Self Assembly NANOSEA2014, 7-11 July, 2014, Marseille, France. (Poster)	10.000
16. Leontie L., Dănac R., Carlescu A. , Iacom F., Rosu N., Dumea C., Girtan M., Rusu G.I., DC conduction mechanism of some new lower rim substituted calixarenes derivatives in thin films, 10 th International Conference on Physics of Advanced Materials ICPAM-10, 22-28 September, 2014, Iasi, Romania. (Poster)	10.000
17. Carlescu A. , Iacom F., Bernhard C., Magnetoresistance behavior in thermally treated organic spinvalve, 10 th International Conference on Physics of Advanced Materials ICPAM-10, 22-28 September, 2014, Iasi, Romania. (Poster)	10.000
18. Carlescu A. , Nuccio L. Bernhard C., Thermally-induced crystallization of Alq3 thin films, FriMat Day, 4 July, 2013, Fribourg, Switzerland. (Poster)	10.000
19. Leontie L., Danac R., Girtan M., Prelipceanu M., Graur A., Carlescu A. , Rusu G.I., Newly synthesized stable disubstituted 4-(4-pyridyl)pyridinium ylides in thin films with semiconductor properties, 9 th International Conference on Physics of Advanced Materials ICPAM-9, 20-23 September, 2012, Iasi, Romania. (Poster)	10.000
20.	
Naționale – în calitate de președinte comitet de organizare /consiliu științific (Modalitate de calcul 15 puncte)	
1.	
2.	
Naționale – în calitate de membru comitet organizare/consiliu științific (Metoda de calcul: pentru fiecare activitate 5 puncte)	
1.	

2.		
Naționale – în calitate de moderator de panel (Metoda de calcul: pentru fiecare activitate 5 puncte)		
1.		
2.		
Naționale – raportor pe secțiuni/paneluri (Metoda de calcul: pentru fiecare activitate 2 puncte)		
1. Carlescu A. , Leontie L., Doroftei C., Danac R., Study of some small-molecule organic semiconductors with possible applicability in electronics, TIM 20-21 Physics Conference, 11-13 November, 2021, Timisoara, Romania. (Poster)		2.000
2. Susu O., Leontie L., Carlescu A. , Bulai G., Husanu F., Doroftei C., Gurlui S., Demeter A., Stoian G., Deposition, structural and morphological properties studies of bismuth oxide thin films, Physics Conference TIM 17, 25-27 May, 2017, Timisoara, Romania. (Poster)		2.000
3 Doroftei C., Leontie L., Susu O., Carlescu A. , Characterization and gas sensing properties of some spinel-type oxide semiconductors, Physics Conference TIM 15–16, 26–28 May, 2016, Timișoara, România. (Poster)		2.000
4 Carlescu A. , Doroftei C., Iacomi F., Leontie L., Susu O., Gurlui S., Bulai G., Preliminary studies on structural and electrical properties of some LSMO/LSAT thin films obtained by pulsed laser deposition, A XLV-a Conferința Națională de Fizica și Tehnologiile Educaționale Moderne, 14 May, 2016, Iași, Romania. (Poster)		2.000
5 Foca-nici E., Cîrlescu A. , Nica V., Creanga D., Sulitanu N., Characterization of magnetite and cobalt ferrite nanoparticles, The 3 rd National Conference of Applied Physics CNFA 2008, 21-22 November, 2008, Iasi, Romania. (Poster)		2.000
6		
Subtotal 19		200.000
TOTAL ACTIVITATEA DE CERCETARE		2272.986

Data
05.01.2023

Semnatura