



ANEXA 2

FIȘĂ DE AUTOEVALUARE privind standardele minimale pe domenii ale Universității

Nr. Crt.	Facultatea	Funcția de cercetare: Cercetător Științific III	Îndeplinire criteriu
1	Departamentul de Cercetare Interdisciplinar- Domeniul Științe-ICI	Criteriul 1: minim 3 articole în domeniul postului, publicate în calitate de autor principal, cu $AIS \geq 1$ sau minim șase articole în domeniul postului, publicate în calitate de autor principal, citate în reviste cu $AIS \geq 0.5$	Da: candidate are 10 articole în domeniul postului, publicate în calitate de autor principal, citate în reviste cu $AIS \geq 0.5$
		Criteriul 2: suma AIS din toate publicațiile în calitate de autor principal ale candidatului și a publicațiilor cu $AIS \geq 0.5$ care citează articole publicate în calitate de autor principal de către candidat să fie ≥ 5	Da: suma AIS calculate de către candidat conform criteriului 2 este 67.508

Justificare îndeplinirea standardele minimale pe domenii ale Universității

Criteriul 1: 10 articole în domeniul postului, publicate în calitate de autor principal (prim autor/autor corespondent), citate în reviste cu $AIS \geq 0.5$

Articol 1	A. Ianculescu, <u>Felicia Prihor</u> , P. Postolache, L. Mitoseriu, N. Dragan, D. Crisan Preparation, Structural and Magnetic Properties of Mn-doped La _{0.1} Bi _{0.9} FeO ₃ Ceramics, Ferroelectrics 391, 67-75, 2009.- Autor corespondent	AIS=0.169
1	Khomchenko, V.A., Troyanchuk, I.O., Kovetskaya, M.I., Paixão, J.A. Mn substitution-driven structural and magnetic phase evolution in Bi _{1-x} Sm _x FeO ₃ multiferroics (2012) Journal of Applied Physics, 111 (1), art. no. 014110	AIS=0.796
2	Das, R., Sarkar, T., Mandal, K. Multiferroic properties of Ba ²⁺ and Gd ³⁺ co-doped bismuth ferrite: Magnetic, ferroelectric and impedance spectroscopic analysis (2012) Journal of Physics D: Applied Physics, 45 (45), art. no. 455002	AIS=0.865
3	Basith, M.A., Kurni, O., Alam, M.S., Sinha, B.L., Ahmmad, B., Room temperature dielectric and magnetic properties of Gd and Ti co-doped BiFeO ₃ ceramics, Journal of Applied Physics 115, Art.no. 24102, 2014	AIS=0.682
4	Bashir Ahmmad, Kensaku Kanomata, Kunihiro Koike, Shigeru Kubota, Hiroaki Kato, Fumihiko Hirose, Areef Billah, M A Jalil and M A Basith,	AIS=0.761



	Large difference between the magnetic properties of Ba and Ti co-doped BiFeO ₃ bulk materials and their corresponding nanoparticles prepared by ultrasonication, J. Phys. D: Appl. Phys. 49 265003 (2016)	
Articol 2	Felicia Prihor, Adelina Ianculescu, Liliana Mitoseriu, Petronel Postolache, Lavinia Curecheriu, Nicolae Dragan, Dorin Crisan, Functional properties of the (1-x)BiFeO₃ – xBaTiO₃, Ferroelectrics, 391, 76-82, 2009.-Prim autor	AIS=0.169
1	Singh, H., Kumar, A., Yadav, K.L. Structural, dielectric, magnetic, magnetodielectric and impedance spectroscopic studies of multiferroic BiFeO ₃ -BaTiO ₃ ceramics (2011) Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 176 (7), pp. 540-547	AIS=0.534
2	Wang, Q.Q., Wang, Z., Liu, X.Q., Chen, X.M. Improved structure stability and multiferroic characteristics in CaTiO ₃ -Modified BiFeO ₃ ceramics (2012) Journal of the American Ceramic Society, 95 (2), pp. 670-675	AIS=0.710
3	Schileo, G; Luisman, L ; Feteira, A ; Deluca, M ; Reichmann, K , Structure-property relationships in BaTiO ₃ -BiFeO ₃ -BiYbO ₃ ceramics, J. Eur. Ceram. Soc. 33, 1457-1468, 2013	AIS=0.699
4	Adhlakha, N., Yadav, K.L., Singh, R. , Effect of BaTiO ₃ addition on structural, multiferroic and magneto-dielectric properties of 0.3CoFe ₂ O ₄ -0.7BiFeO ₃ ceramics, Smart Materials and Structures 23, art. No. 105024 (2014)	AIS=0.745
5	Wongmaneeung, R., Padchasri, J., Tipakontitikul, R., Loan, T.H., Jantaratana, P., Yimmirun, R., Ananta, S., Phase formation, dielectric and magnetic properties of bismuth ferrite-lead magnesium niobate multiferroic composites, Journal of Alloys and Compounds 608, 1457-1468, 2014	AIS=0.557
6	Baryshnikov, S.V., Charnaya, E.V., Milinskii, A.Yu., Antonov, A.A., Bugaev, A.S. Phase transitions in the (BaTiO ₃) _x /(BiFeO ₃) _{1-x} composite ceramics: Dielectric studies (2015) Composites Part B: Engineering, 80, pp. 15-19.	AIS=0.875
7	Li, Y., Wang, Y.G., Zhou, S.D., Wu, H. Structural evolution and its effect on multiferroic properties in magnetoelectric 0.67Sm _{0.12} Bi _{0.88} FeO ₃ – 0.33BaTiO ₃ ceramics by tuning the cooling rate (2019) Journal of Materials Science, 54 (10), pp. 7428-7437.	AIS=0.558
Articol 3	Felicia Prihor Gheorghiu, Adelina Ianculescu, Petronel Postolache, Nicoleta Lupu, Marius Dobromir, Dumitru Luca, Liliana Mitoseriu, Preparation and properties of (1-x)BiFeO₃ – xBaTiO₃ multiferroic ceramics, J. Alloys Compd. 506 (2010) 862–867.-Prim autor	AIS=0.471
1	Popa, M., Moreno, J.M.C., Lanthanum ferrite ferromagnetic nanocrystallites by a polymeric precursor route (2011) Journal of Alloys and Compounds, 509 (10), pp. 4108-4116	AIS=0.509
2	Xu, Q., Zheng, X., Wen, Z., Yang, Y., Wu, D., Xu, M., Enhanced room temperature ferromagnetism in porous BiFeO ₃ prepared using cotton templates (2011) Solid State Communications, 151 (8), pp. 624-627	AIS=0.768
3	Maiti, R.P., Dutta, S., Basu, S., Mitra, M.K., Chakravorty, D., Multiferroic behavior in glass-crystal nanocomposites containing Te ₂ NiMnO ₆ (2011) Journal of Alloys and Compounds, 509 (20), pp. 6056-6060	AIS=0.509
4	Tian, Z.M., Wang, C.H., Yuan, S.L., Wu, M.S., Ma, Z.Z., Duan, H.N., Chen,	AIS=0.509



	L. Coexistence of room temperature ferroelectricity and ferrimagnetism in multiferroic BiFeO ₃ -Bi _{0.5} Na _{0.5} TiO ₃ solid solution (2011) Journal of Alloys and Compounds, 509 (32), pp. 8144-8148	
5	Topolov, V.Y. Heterophase states and domain effects in solid solutions of (1 - X)BiFeO ₃ - xPbTiO ₃ (2012) Journal of Applied Physics, 111 (9), art. no. 094109	AIS=0.796
6	Lin, D., Zheng, Q., Li, Y., Wan, Y., Li, Q., Zhou, W., Microstructure, ferroelectric and piezoelectric properties of Bi _{0.5} K _{0.5} TiO ₃ -modified BiFeO ₃ -BaTiO ₃ lead-free ceramics with high Curie temperature, Journal of the European Ceramic Society 33 (15-16), 3023-3036(2013)	AIS=0.699
7	Li, C.-X., Yang, B., Zhang, S.-T., Zhang, R., Sun, Y., Zhang, H.-J., Cao, W.-W., Enhanced multiferroic and magnetocapacitive properties of (1 - X) Ba _{0.7} Ca _{0.3} TiO _{3-x} BiFeO ₃ ceramics, Journal of the American Ceramic Society 97 (3), 816-825(2014).	AIS=0.696
8	Li, C.-X., Yang, B., Zhang, S.-T., Liu, D.-Q., Zhang, R., Sun, Y., Cao, W.-W., Effects of Mn doping on multiferroic and magnetocapacitive properties of 0.33Ba _{0.70} Ca _{0.30} TiO ₃ -0.67BiFeO ₃ diphasic ceramics, Journal of Alloys and Compounds 590, 346-354(2014).	AIS=0.557
9	Zhang, N., Su, J., Liu, Z.Y., Fu, Z.M., Wang, X.W., Song, G.L., Chang, F.G., High temperature magnetic behavior of multiferroics Bi _{1-x} Ca _x FeO ₃ , Journal of Applied Physics, 115 (13), art. no. 133912(2014)	AIS=0.682
10	Adhlakha, N., Yadav, K.L., Singh, R., Effect of BaTiO ₃ addition on structural, multiferroic and magneto-dielectric properties of 0.3CoFe ₂ O ₄ -0.7BiFeO ₃ ceramics, Smart Materials and Structures 23, art. no. 105024 (2014)	AIS=0.764
11	Li, Y., Jiang, N., Lam, K.H., Guo, Y., Zheng, Q., Li, Q., Zhou, W., Wan, Y., Lin, D. Structure, ferroelectric, piezoelectric, and ferromagnetic properties of BiFeO ₃ -BaTiO ₃ -Bi _{0.5} Na _{0.5} TiO ₃ lead-free multiferroic ceramics Journal of the American Ceramic Society, 97 (11), pp. 3602-3608. (2014)	AIS=0.696
12	Wei, Y., Jin, C., Zeng, Y., Wang, X., Xu, G., Wang, X., Polar Order Evolutions near the Rhombohedral to Pseudocubic and Tetragonal to Pseudocubic Phase Boundaries of the BiFe ₃ -BaTiO ₃ System (2015) Materials, 8 (12), pp. 8355-8365.	AIS=0.770
13	Adhlakha, N., Yadav, K.L., Singh, R., BiFeO ₃ -CoFe ₂ O ₄ -PbTiO ₃ composites: structural, multiferroic, and optical characteristics (2016) Journal of Materials Science, 50 (5), pp. 2073-2084.	AIS=0.561
14	Khelifi, H., Zouari, I., Habouti, S., Abdelmoula, N., Mezzane, D., Khemakhem, H., Es-Souni, M. Raman spectroscopy and evidence of magnetic transition in 0.9BiFeO ₃ -0.1Ba _{0.8} Sr _{0.2} TiO ₃ ceramic (2015) Journal of Alloys and Compounds, 638, pp. 50-54.	AIS=0.558
15	Zhang, N., Yang, Y.W., Su, J., Guo, D.Z., Liu, X.N., Ma, N., Liu, Z.M., Zhao, M., Li, X.T., Guo, Y.Y., Chang, F.G., Liu, J.-M., Role of oxygen vacancies in deciding the high temperature magnetic properties of Ba and Sm substituted BiFeO ₃ ceramics (2016) Journal of Alloys and Compounds, 677, pp. 252-257.	AIS=0.552
16	Wu, J., Fan, Z., Xiao, D., Zhu, J., Wang, J., Multiferroic bismuth ferrite-based materials for multifunctional applications: Ceramic bulks, thin films and	AIS=9.601



	nanostructures (2016) Progress in Materials Science, 84, pp. 335-402.	
17	Guan, S., Yang, H., Zhao, Y., Zhang, R. Effect of Li_2CO_3 addition in $\text{BiFeO}_3\text{-BaTiO}_3$ ceramics on the sintering temperature, electrical properties and phase transition (2018) Journal of Alloys and Compounds, 735, pp. 386-393.	AIS=0.601
18	Mocherla, P.S.V., Prabhu, D., Sahana, M.B., Hebalkar, N.Y., Gopalan, R., Ramachandra Rao, M.S., Sudakar, C. High temperature magnetic studies on $\text{Bi}_{1-x}\text{Ca}_x\text{Fe}_{1-y}\text{Ti}_y\text{O}_{3-\delta}$ nanoparticles: Observation of Hopkinson-like effect above T_N (2018) Journal of Applied Physics, 124 (7), art. no. 073904, .	AIS=0.544
19	Bouzidi, H., Chaker, H., Es-souni, M., Chaker, C., Khemakhem, H. Structural, Raman, ferroelectric and magnetic studies of the $(1-x)\text{BF-xBCT}$ multiferroic system (2019) Journal of Alloys and Compounds, 772, pp. 877-884.	AIS=0.601
20	Kharouf, A., Aydi, A., Khirouni, K Electrical transport of $0.3\text{Bi}_{1-x}\text{Y}_x\text{FeO}_3\text{-}0.7\text{Ba}_{0.8}\text{Sr}_{0.2}\text{TiO}_3$ ceramics (2019) Journal of Alloys and Compounds, 775, pp. 81-89.	AIS=0.601
21	Amouri, A., Wederni, M.A., Abdelmoula, N., Khemakhem, H. Enhanced multiferroic properties in $\text{Bi}_{(1-x)}\text{Y}_{2x/3}[\text{Ti}_{0.95}(\text{Yb}_{0.5}\text{Nb}_{0.5})_{0.05}]_x\text{Fe}_{(1-x)}\text{O}_3$ ceramics (2019) Journal of Alloys and Compounds, 794, pp. 443-454.	AIS=0.601
Articol 4	Adelina Ianculescu, Felicia Prihor Gheorghiu, Petronel Postolache, Ovidiu Oprea, Liliana Mitoseriu The role of doping on the structural and functional properties of $\text{BiFe}_{1-x}\text{Mn}_x\text{O}_3$ magnetoelectric ceramics J. Alloys Compd. 504, 420–426 (2010) - Autor correspondent	AIS=0.471
1	Maiti, R.P., Dutta, S., Basu, S., Mitra, M.K., Chakravorty, D. Multiferroic behavior in glass-crystal nanocomposites containing Te 2NiMnO_6 (2011) Journal of Alloys and Compounds, 509 (20), pp. 6056-6060	AIS=0.509
2	Bernardo, M.S., Jardiel, T., Peiteado, M., Caballero, A.C., Villegas, M. Sintering and microstructural characterization of W^{6+} , Nb^{5+} and Ti^{4+} iron-substituted BiFeO_3 (2011) Journal of Alloys and Compounds, 509 (26), pp. 7290-7296	AIS=0.509
3	Shami, M.Y., Awan, M.S., Anis-Ur-Rehman, M. Phase pure synthesis of BiFeO_3 nanopowders using diverse precursor via co-precipitation method (2011) Journal of Alloys and Compounds, 509 (41), pp. 10139-10144	AIS=0.509
4	Chakrabarti, K., Das, K., Sarkar, B., De, S.K. Magnetic and dielectric properties of Eu-doped BiFeO_3 nanoparticles by acetic acid-assisted sol-gel method (2011) Journal of Applied Physics, 110 (10), art. no. 103905	AIS=0.836
5	Huo, S.X., Yuan, S.L., Qiu, Y., Ma, Z.Z., Wang, C.H. Crystal structure and multiferroic properties of $\text{BiFeO}_3\text{-Na}_{0.5}\text{K}_{0.5}\text{NbO}_3$ solid solution ceramics prepared by Pechini method (2012) Materials Letters, 68, pp. 8-10	AIS=0.538
6	Gupta, S., Sharma, A., Tomar, M., Gupta, V., Pal, M., Guo, R., Bhalla, A. Piezoresponse force microscopy and vibrating sample magnetometer study of single phased Mn induced multiferroic BiFeO_3 thin film (2012) Journal of Applied Physics, 111 (6), art. no. 064110	AIS=0.796
7	Saravana Kumar, K., Venkateswaran, C., Kannan, D., Tiwari, B., Ramachandra Rao, M.S. Mechanical milling assisted synthesis of Ba-Mn co-substituted BiFeO_3 ceramics and their properties (2012) Journal of Physics	AIS=0.865



	D: Applied Physics, 45 (41), art. no. 415302	
8	Kumar, V., Gaur, A., Kotnala, R.K. ., Anomalous dielectric response with suppression in Neel temperature of Bi _{0.9} Y _{0.1} Fe _{1-x} Mn _x O ₃ ($0 \leq x \leq 0.07$) ceramics, Journal of Alloys and Compounds, 551, 410-414 (2013)	AIS=0.534
9	Liu, P., Cheng, Z.X., Du, Y., Feng, L.Y., Fang, H., Wang, X.L., Dou, S.X., Anisotropy of crystal growth mechanisms, dielectricity, and magnetism of multiferroic Bi ₂ FeMnO ₆ thin films, Journal of Applied Physics, 113 (17), art. no. 17D904 (2013)	AIS=0.724
10	Kango, S., Kalia, S., Thakur, P., Kumari, B., Pathania, D. Semiconductor–polymer hybrid materials (2014) Advances in Polymer Science, 267, pp. 283-312.	AIS=0.921
11	Kumar, P., Kar, M. Effect of structural transition on magnetic and dielectric properties of La and Mn co-substituted BiFeO ₃ ceramics (2014) Materials Chemistry and Physics, 148 (3), pp. 968-977.	AIS=0.543
12	Kim, D.J., Lee, M.H., Park, J.S., Kim, M.-H., Song, T.K., Kim, S.W., Kim, W.-J., Jang, K.W., Kim, S.S., Do, D. Ferroelectric and piezoelectric properties of Mn-modified BiFeO ₃ -BaTiO ₃ ceramics, Journal of Electroceramics, 33 (1-2), pp. 37-41(2014)	AIS=0.817
13	Khomchenko, V.A., Pereira, L.C.J., Paixão, J.A., Structural and magnetic phase transitions in Bi _{1-x} Nd _x Fe _{1-x} Mn _x O ₃ multiferroics, Journal of Applied Physics, 115 (3), art. no. 034102 (2014)	AIS=0.682
14	Oprea, O., Andronescu, E., Ficai, D., Ficai, A., Oktar, F.N., Yetmez, M., ZnO applications and challenges, Current Organic Chemistry, 18 (2), 192-203(2014)	AIS=0.589
15	Li, C.-X., Yang, B., Zhang, S.-T., Liu, D.-Q., Zhang, R., Sun, Y., Cao, W.-W., Effects of Mn doping on multiferroic and magnetocapacitive properties of 0.33Ba _{0.70} Ca _{0.30} TiO ₃ -0.67BiFeO ₃ diphasic ceramics, Journal of Alloys and Compounds, 590, 346-354(2014)	AIS=0.557
16	Li, Y., Zhang, H., Liu, H., Dong, X., Li, Q., Chen, W., Mao, W., Li, X., Dong, C., Ren, S., Magnetic properties and local structure of the binary elements codoped Bi _{1-x} La _x Fe _{0.95} Mn _{0.05} O ₃ , Journal of Alloys and Compounds, 592, 19-23 (2014)	AIS=0.557
17	Wu, J., Li, N., Xu, J., Zhou, S., Jiang, Y., Xie, Z. Synthesis, phase diagram and magnetic properties of (1 - X)BiFeO ₃ -xLaMnO ₃ Solid Solution, Journal of Alloys and Compounds, 634, pp. 142-147 (2015)	AIS=0.558
18	Kumar, P., Shankwar, N., Srinivasan, A., Kar, M., Oxygen octahedra distortion induced structural and magnetic phase transitions in Bi _{1-x} CaxFe _{1-x} Mn _x O ₃ ceramics (2015) Journal of Applied Physics, 117 (19), art. no. 194103,	AIS=0.637
19	Hou, L., Zuo, K.H., Sun, Q.B., Xia, Y.F., Ren, Z.M., Lu, X.G., Zeng, Y.P., Li, X., Structure evolution and magnetic property of cobalt-modified Bi _{0.9} Gd _{0.1} FeO ₃ nanocrystal at morphotropic phase boundary (2015) Journal of Alloys and Compounds, 650, art. no. 35004, pp. 489-493.	AIS=0.558
20	Keswani, B.C., Devan, R.S., Kambale, R.C., James, A.R., Manandhar, S., Kolekar, Y.D., Ramana, C.V. Correlation between structural, magnetic and ferroelectric properties of Fe-doped (Ba-Ca)TiO ₃ lead-free piezoelectric (2017) Journal of Alloys and Compounds, 712, pp. 320-333.	AIS=0.574



21	Sharma, P., Saxena, P., Kumar, A., Varshney, D., Structural and multiferroic properties of $\text{Bi}_{0.885}\text{Sm}_{0.115}\text{FeO}_3$ (2017) Journal of Alloys and Compounds, 706, pp. 609-615.	AIS=0.574
22	Gil-González, E., Perejón, A., Sánchez-Jiménez, P.E., Hayward, M.A., Pérez-Maqueda, L.A., Preparation of ytterbium substituted BiFeO_3 multiferroics by mechanical activation (2017) Journal of the European Ceramic Society, 37 (3), pp. 945-954.	AIS=0.679
23	Molak, A., Mahato, D.K., Szeremeta, A.Z. Synthesis and characterization of electrical features of bismuth manganite and bismuth ferrite: effects of doping in cationic and anionic sublattice: Materials for applications (2018) Progress in Crystal Growth and Characterization of Materials, 64 (1), pp. 1-22.	AIS=1.136
24	Coy, E., Fina, I., Załęski, K., Krysztofik, A., Yate, L., Rodriguez, L., Graczyk, P., Głowiński, H., Ferrater, C., Dubowik, J., Varela, M. High-temperature Magnetodielectric $\text{Bi}(\text{Fe}_{0.5}\text{Mn}_{0.5})\text{O}_3$ Thin Films with Checkerboard-Ordered Oxygen Vacancies and Low Magnetic Damping (2018) Physical Review Applied, 10 (5), art. no. 054072	AIS=1.832
Articol 5	Raluca Frunza, Dan Ricinschi, Felicia Gheorghiu, Radu Apetrei, Dumitru Luca, Liliana Mitoseriu, Masanori Okuyama, Preparation and characterisation of PZT films by RF-magnetron sputtering, J. Alloys Compd. 509 (2011) 6242–6246- Autor corespondent	AIS=0.509
1	Wang, J., Wang, C., Shen, Q., Zhang, L. Preparation of ferroelectric BaTi_2O_5 thin films on $\text{Pt}(111)/\text{Ti}/\text{SiO}_2/\text{Si}$ substrates by pulsed laser deposition (2012) Journal of Alloys and Compounds, 512 (1), pp. 140-143	AIS=0.534
2	Stamopoulos, D., Zhang, S.J., A method based on optical and atomic force microscopes for instant imaging of non-homogeneous electro-mechanical processes and direct estimation of d_{ij} coefficients in piezoelectric materials at the local level, Journal of Alloys and Compounds, 612, 34-41 (2014)	AIS=0.557
3	Pintilie, L., Hrib, L., Pasuk, I., Ghica, C., Iuga, A., Pintilie, I., General equivalent circuit derived from capacitance and impedance measurements performed on epitaxial ferroelectric thin films, Journal of Applied Physics, 116 (4), art. no. 044108 (2014)	AIS=0.682
4	Wang, Z.D., Lai, Z.Q., Hu, Z.G., Low-temperature preparation and characterization of the PZT ferroelectric thin films sputtered on FTO glass substrate, Journal of Alloys and Compounds, 583, 452-454 (2014)	AIS=0.557
5	George, J.P., Smet, P.F., Botterman, J., Bliznuk, V., Woestenborghs, W., Van Thourhout, D., Neyts, K., Beeckman, J., Lanthanide-Assisted Deposition of Strongly Electro-optic PZT Thin Films on Silicon: Toward Integrated Active Nanophotonic Devices (2015) ACS Applied Materials and Interfaces, 7 (24), pp. 13350-13359.	AIS=1.462
6	Wei, A., Chen, C., Tang, L., Zhou, K., Zhang, D., Chemical solution deposition of ferroelectric Sr:HfO_2 film from inorganic salt precursors (2018) Journal of Alloys and Compounds, 731, pp. 546-553.	AIS=0.601
Articol 6	Felicia Gheorghiu, Lavinia Curecheriu, Adelina Ianculescu, Mihai Calugaru and Liliana Mitoseriu, Tunable dielectric characteristics of Mn-doped BiFeO_3 multiferroic ceramics, Scripta Materialia Volume 68, Issue 5, March 2013, Pages 305–308- Prim autor	AIS=1.172
1	Tang, P., Kuang, D., Yang, S., Zhang, Y., Structural, morphological and	AIS=0.552



	multiferroic properties of the hydrothermally grown gadolinium (Gd) and manganese (Mn) doped sub-micron bismuth ferrites (2016) Journal of Alloys and Compounds, 656, pp. 912-919.	
2	Sharif, M.K., Khan, M.A., Hussain, A., Iqbal, F., Shakir, I., Murtaza, G., Akhtar, M.N., Ahmad, M., Warsi, M.F. Synthesis and characterization of Zr and Mg doped BiFeO ₃ nanocrystalline multiferroics via micro emulsion route (2016) Journal of Alloys and Compounds, 667, pp. 329-340.	AIS=0.552
Articol 7	Felicia Gheorghiu, Radu Tanasa, Maria Teresa Buscaglia, Vincenzo Buscaglia, Cristina G. Pastravanu, Eveline Popovici and Liliana Mitoseriu, Preparation of Bi₂Fe₄O₉ particles by hydrothermal synthesis and functional properties Phase Transit 86 (7), 726-736 (2013)- Prim autor	AIS<0.5
1	Dai, J., Yang, H., Wen, B., Zhou, H., Wang, L., Lin, Y. Flower-like MoS ₂ @Bi ₂ Fe ₄ O ₉ microspheres with hierarchical structure as electromagnetic wave absorber (2019) Applied Surface Science, 479, pp. 1226-1235.	AIS=0.671
Articol 8	Felicia Gheorghiu, Mihai Calugaru, Adelina Ianculescu, Valentina Musteata and Liliana Mitoseriu, Preparation and functional characterization of BiFeO₃ ceramics: a comparative study of the dielectric properties, Solid State Sciences, 23 (2013) 79-87- Prim autor	AIS=0.448
1	Chybczyńska, K., Markiewicz, E., Błaszyk, M., Hilczer, B., Andrzejewski, B. Dielectric response and electric conductivity of ceramics obtained from BiFeO ₃ synthesized by microwave hydrothermal method (2016) Journal of Alloys and Compounds, 671, pp. 493-501.	AIS=0.552
2	Ramirez, F.E.N., Marinho, E., Leão, C.R., Souza, J.A. Comprehensive theoretical and experimental study of electrical transport mechanism on BiFeO ₃ multiferroic nanoparticles (2017) Journal of Alloys and Compounds, 720, pp. 47-53.	AIS=0.574
3	Gil-González, E., Perejón, A., Sánchez-Jiménez, P.E., Sayagués, M.J., Raj, R., Pérez-Maqueda, L.A. Phase-pure BiFeO ₃ produced by reaction flash-sintering of Bi ₂ O ₃ and Fe ₂ O ₃ (2018) Journal of Materials Chemistry A, 6 (13), pp. 5356-5366.	AIS=1.874
Articol 9	Felicia Gheorghiu, Lavinia Curecheriu, Isabelle Lisiecki, Patricia Beaunier, Simona Feraru, Mircea N. Palamaru, Valentina Musteata, Nicoleta Lupu and Liliana Mitoseriu, Functional properties of Sm₂NiMnO₆ multiferroic ceramics prepared by spark plasma sintering, Journal of Alloys and Compounds 649 (2015) 151-158- Prim autor	AIS=0.558
1	Sheikh, M.S., Sakhya, A.P., Maity, R., Dutta, A., Sinha, T.P. Narrow band gap and optical anisotropy in double perovskite oxide Sm ₂ NiMnO ₆ : A new promising solar cell absorber (2019) Solar Energy Materials and Solar Cells, 193, pp. 206-213.	AIS=0.917
Articol 10	Felicia Gheorghiu, Leontin Padurariu, Mirela Airimioaei, Lavinia Curecheriu, Cristina Ciomaga, Cipriana Padurariu, Carmen Galassi and Liliana Mitoseriu, Porosity dependent properties of Nb-doped Pb(Zr,Ti)O₃ ceramics, Journal of the American Ceramic Society 100 (2017), 647-658- Prim autor	AIS=0.643
1	Roscow, J.I., Zhang, Y., Kraśny, M.J., Lewis, R.W.C., Taylor, J., Bowen, C.R. Freeze cast porous barium titanate for enhanced piezoelectric energy	AIS=0.701



	harvesting (2018) Journal of Physics D: Applied Physics, 51 (22), art. no. 225301,	
2	Zhao, H., Wu, P., Du, L., Du, H. Effect of the nanopore on ferroelectric domain structures and switching properties (2018) Computational Materials Science, 148, pp. 216-223.	AIS=0.650
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Criteriul 2: suma AIS din toate publicațiile în calitate de autor principal ale candidatului și a publicațiilor cu AIS ≥ 0.5 , care citează articole publicate în calitate de autor principal de către candidat să fie ≥ 0.5 este **67.508, conform tabelului următor:**

Suma AIS din toate publicațiile în calitate de autor principal ale candidatului		
1	A. Ianculescu , <u>Felicia Prihor</u> , P. Postolache, L. Mitoseriu, N. Dragan, D. Crisan Preparation, Structural and Magnetic Properties of Mn-doped La _{0.1} Bi _{0.9} FeO ₃ Ceramics, Ferroelectrics (2009) 391, 67-75	AIS=0.169
2	<u>Felicia Prihor</u> , Adelina Ianculescu, Liliana Mitoseriu, Petronel Postolache, Lavinia Curecheriu, Nicolae Dragan, Dorin Crisan, Functional properties of the (1-x)BiFeO ₃ – xBaTiO ₃ , Ferroelectrics, 391, 76-82, 2009	AIS=0.169
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4	Adelina Ianculescu, <u>Felicia Prihor Gheorghiu</u> , Petronel Postolache, Ovidiu Oprea, Liliana Mitoseriu The role of doping on the structural and functional properties of BiFe _{1-x} MnxO ₃ magnetoelectric ceramics J. Alloys Compd. 504(2010) 420–426	AIS=0.471
5	Raluca Frunza, Dan Ricinski, <u>Felicia Gheorghiu</u> , Radu Apetrei, Dumitru Luca, Liliana Mitoseriu, Masanori Okuyama, Preparation and characterisation of PZT films by RF-magnetron sputtering, J. Alloys Compd. 509 (2011) 6242–6246	AIS=0.509
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10	<u>Felicia Gheorghiu</u> , Lavinia Curecheriu, Isabelle Lisiecki, Patricia Beaunier, Simona Feraru, Mircea N. Palamaru, Valentina Musteata, Nicoleta Lupu and Liliana Mitoseriu, Functional properties of Sm ₂ NiMnO ₆ multiferroic ceramics prepared by spark plasma sintering, Journal of Alloys and Compounds 649 (2015) 151-158	AIS=0.558
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Total AIS =6.243		
Suma AIS a publicațiilor cu AIS≥0.5 care citeaza articole publicate în calitate de autor principal de către candidat (conform cu tabelul de la Criteriul 1)		
1	Khomchenko, V.A., Troyanchuk, I.O., Kovetskaya, M.I., Paixão, J.A.Mn substitution-driven structural and magnetic phase evolution in Bi 1-xSm xFeO 3 multiferroics (2012) Journal of Applied Physics, 111 (1), art. no. 014110	AIS=0.796
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Total AIS =61.265		
Total Criteriul 2 = 67.508		

Data**Semnătura**

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