



## ANEXA 1

## FIȘA DE EVALUARE GENERALĂ A STANDARDELOR UNIVERSITĂȚII

DESCRIPTORI	PUNCTAJE ACORDATE	PUNCTAJE REALIZATE
1. Articole științifice publicate <i>in extenso</i> în reviste cotate <i>Web of Science</i> cu factor de impact	(60 puncte x factor de impact + 25) / număr autori	616.103
2. Articole științifice publicate <i>in extenso</i> în reviste indexate <i>Web of Science</i> fără factor de impact	20 puncte / număr autori	2.5
3. Articole științifice publicate <i>in extenso</i> în reviste indexate BDI	15 puncte / număr autori	5.5
4. Articole științifice publicate <i>in extenso</i> în volumele conferințelor	indexate ISI: 30 puncte / număr autori	
	indexate în BDI: 15 puncte / număr autori	
	alte categorii: 5 puncte / număr autori	
5. Cărți științifice publicate (doar prima ediție)	edituri academice internaționale: 100 puncte la 100 pagini / număr autori	
	alte edituri internaționale: 70 puncte la 100 pagini / număr autori	
	edituri academice naționale: 50 puncte la 100 pagini / număr autori	
	alte edituri naționale: 20 puncte la 100 pagini / număr autori	3.6
6. Cărți științifice traduse și publicate în edituri din străinătate	100 puncte la 100 pagini / număr autori	
7. Coordonarea și editarea de volume, traduceri și antologii	edituri academice internaționale: 60 puncte / număr autori	
	alte edituri internaționale: 40 puncte / număr autori	
	edituri academice naționale: 30 puncte / număr autori	
	alte edituri naționale: 15 puncte / număr autori	
8. Articole publicate în dicționare și enciclopedii	edituri academice internaționale: 30 puncte / număr autori	
	alte edituri internaționale: 20 puncte / număr autori	
	edituri academice naționale: 15 puncte / număr autori	
	alte edituri naționale: 5 puncte / număr autori	
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)	contracte internaționale – director: 100 puncte pentru fiecare 100.000 Euro	
	contracte internaționale – membru: 100 puncte pentru fiecare 100.000 Euro / numărul membrilor echipei de cercetare	
	contracte naționale – director: 50 puncte pentru fiecare 500.000 lei	
	contracte naționale – membru: 50 puncte pentru fiecare 500.000 lei / numărul membrilor echipei de cercetare	107.381



DESCRIPTORI	PUNCTAJE ACORDATE	PUNCTAJE REALIZATE
10. Contracte de cercetare în mediul de afaceri și sectorul public	organizații internaționale: 100 puncte pentru fiecare 100.000 Euro	
	firmе multinaționale: 100 puncte pentru fiecare 100.000 Euro	
	firmе naționale: 50 puncte pentru fiecare 500.000 Euro	
	organizații administrative naționale: 40 puncte pentru fiecare 500.000 Euro	
	alte organizații publice de nivel național: 30 puncte pentru fiecare 500.000 Euro	
11. Brevete	internaționale: 100 puncte / număr de autori	
	naționale: 30 puncte / număr autori	
12. Citări și recenzii ale lucrărilor științifice	reviste de specialitate din străinătate: (10 + 20 x factor de impact) / număr autori, pentru fiecare citare	1691.86
	reviste de specialitate din țară: (5 + 10 x factor de impact) / număr autori, pentru fiecare citare	8.32
	monografii academice din străinătate: 50 puncte / număr autori, pentru fiecare citare	
	monografii academice din țară: 25 puncte / număr autori, pentru fiecare citare	
13. Lucrări susținute în calitate de invitat la manifestări științifice (conferințe, congrese, simpozioane, seminarii și ateliere de lucru)	străinătate: 25 puncte pentru fiecare activitate	
	țară: 10 puncte pentru fiecare activitate	20
14. Profesor/cercetător invitat la universități/institute de cercetare	străinătate: 25 puncte pentru fiecare activitate	125
	țară: 10 puncte pentru fiecare activitate	
15. Editor/Membru în <i>Editorial Board</i> & <i>Advisory Board</i>	reviste cotate <i>Web of Science</i> : editor, 30 puncte pentru fiecare revistă; membru, 20 puncte pentru fiecare revistă	
	reviste internaționale și alte reviste ale Universității: editor, 15 puncte pentru fiecare revistă; membru, 10 puncte pentru fiecare revistă	
16. Premii internaționale obținute printr-un proces de selecție	100 puncte / categorie / număr persoane	
17. Premii ale Academiei Române	50 puncte / categorie / număr persoane	
18. Alte premii naționale ale instituțiilor culturale	20 puncte / categorie / număr persoane	
19. Participări la manifestări științifice	internaționale: președinte comitet organizare/consiliu științific, 25 puncte pentru fiecare activitate; membru comitet organizare/consiliu științific, 15 puncte pentru fiecare activitate; moderator de panel, 15 puncte pentru fiecare activitate; raportor pe secțiuni/paneluri, 10 puncte pentru fiecare activitate	555



DESCRIPTORI	PUNCTAJE ACORDATE	PUNCTAJE REALIZATE
	naționale: președinte comitet organizare/consiliu științific, 15 puncte pentru fiecare activitate; membru comitet organizare/consiliu științific, 5 puncte pentru fiecare activitate; moderator de panel, 5 puncte pentru fiecare activitate; raportor pe secțiuni/paneluri, 2 puncte pentru fiecare activitate	42
	<b>TOTAL</b>	<b>3177.264</b>

Data

BULAI Georgiana

1. Articole științifice publicate *in extenso* în reviste cotate *Web of Science* cu factor de impact

	<b>Autori</b>	<b>Titlu</b>	<b>An</b>	<b>Jurnal</b>	<b>Volum</b>	<b>Pagina</b>	<b>Factor Impact</b>	<b>Nr. Autori</b>	<b>Punctaj</b>
<b>1</b>	Irimiciuc, S.A., Bulai, G., Gurlui, S., Agop, M.	On the separation of particle flow during pulse laser deposition of heterogeneous materials - A multi-fractal approach	2018	Powder Technology	339	273-280	3.23	4	54.700
<b>2</b>	Irimiciuc, S., Bulai, G., Agop, M., Gurlui, S.	Influence of laser-produced plasma parameters on the deposition process: in situ space- and time-resolved optical emission spectroscopy and fractal modeling approach	2018	Applied Physics A: Materials Science and Processing	124		1.604	4	30.310
<b>3</b>	Cocean, A., Cocean, I., Cazacu, M.M., Bulai, G., Iacomi, F., Gurlui, S.	Atmosphere self-cleaning under humidity conditions and influence of the snowflakes and artificial light interaction for water dissociation simulated by the means of COMSOL	2018	Applied Surface Science	443	83-90	4.439	6	48.557
<b>4</b>	Bulai, G., Rusu, O., Cazacu, M.M., Tudorache, F., Chazallon, B., Focsa, C., Gurlui, S.	Structural, magnetic and humidity sensing properties of rare earth doped cobalt ferrite thin films synthesized by pulsed laser deposition	2018	Journal of Ovonic Research	14	119-128	0.618	7	8.869
<b>5</b>	Irimiciuc, S., Boidin, R., Bulai, G., Gurlui, S., Nemec, P., Nazabal, V., Focsa, C.	Laser ablation of (GeSe <sub>2</sub> ) <sub>100-x</sub> (Sb <sub>2</sub> Se <sub>3</sub> ) <sub>x</sub> chalcogenide glasses: Influence of the target composition on the plasma plume dynamics	2017	Applied Surface Science	418	594 - 600	4.439	7	41.620
<b>6</b>	Irimiciuc, S.A., Gurlui, S., Bulai, G., Nica, P., Agop, M., Focsa, C.	Langmuir probe investigation of transient plasmas generated by femtosecond laser ablation of several metals: Influence of the target physical properties on the plume dynamics	2017	Applied Surface Science	417	108 - 118	4.439	6	48.557

7	Caraman, I., Dmitroglu, L., Evtodiev, I., Leontie, L., Untila, D., Hamzaoui, S., Zerdali, M., Şuşu, O., Bulai, G., Gurlui, S.	Optical properties of ZnO thin films obtained by heat treatment of Zn thin films on amorphous SiO <sub>2</sub> substrates and single crystalline GaSe lamellas	2016	Thin Solid Films	617	103 - 107	1.879	10	13.774
8	Gafton, E.V., Bulai, G., Caltun, O.F., Cervera, S., Macé, S., Trassinelli, M., Steydli, S., Vernhet, D.	Structural and magnetic properties of zinc ferrite thin films irradiated by 90 keV neon ions	2016	Applied Surface Science	379	171 - 178	3.387	8	28.528
9	Lutic, D., Petrovski, D., Ignat, M., Creţescu, I., Bulai, G.	Mesoporous cerium-doped titania for the photocatalytic removal of persistent dyes	2016	Catalysis Today			4.636	5	60.632
10	Virlan, C., Bulai, G., Caltun, O.F., Hempelmann, R., Pui, A.	Rare earth metals' influence on the heat generating capability of cobalt ferrite nanoparticles	2016	Ceramics International	42	11958 - 11965	2.986	5	40.832
11	Bulai, G., Dumitru, I., Pinteala, M., Focsa, C., Gurlui, S.	Magnetic nanoparticles generated by laser ablation in liquid	2016	Digest Journal of Nanomaterials and Biostructures	11	283 - 291	0.836	5	15.032
12	Cimpoeşu, N., Trincă, L.C., Dascălu, G., Stanciu, S., Gurlui, S.O., Mareci, D.	Electrochemical characterization of a new biodegradable FeMnSi alloy coated with hydroxyapatite-zirconia by PLD technique	2016	Journal of Chemistry	2016		1.3	6	17.167
13	Stirbu, I., Vizureanu, P., Cimpoesu, R., Dascalu, G., Gurlui, S.O., Bernevig, M., Benchea, M., Cimpoeu, N., Postolache, P.	Advanced metallic materials response at laser excitation for medical applications	2015	Journal of Optoelectronics and Advanced Materials	17	1179- 1185	0.383	9	5.331
14	Bulai, G., Diamandescu, L., Dumitru, I., Gurlui, S.,	Effect of rare earth substitution in cobalt ferrite bulk materials	2015	Journal of Magnetism and Magnetic	390	123 - 131	2.357	6	27.737

	Feder, M., Caltun, O.F.			Materials					
<b>15</b>	Bulai, G., Gurlui, S., Caltun, O.F., Focsa, C.	Pure and rare earth doped cobalt ferrite laser ablation: Space and time resolved optical emission spectroscopy	2015	Digest Journal of Nanomaterials and Biostructures	10	1043 - 1053	0.756	4	17.590
<b>16</b>	Pompilian, O.G., Dascalu, G., Mihaila, I., Gurlui, S., Olivier, M., Nemec, P., Nazabal, V., Cimpoesu, N., Focsa, C.	Pulsed laser deposition of rare-earth-doped gallium lanthanum sulphide chalcogenide glass thin films	2014	Applied Physics A: Materials Science and Processing	117	197 - 205	1.704	9	14.138
<b>17</b>	Dascalu, G., Pompilian, G., Chazallon, B., Caltun, O.F., Gurlui, S., Focsa, C.	Femtosecond pulsed laser deposition of cobalt ferrite thin films	2013	Applied Surface Science	278	38 - 42	2.539	6	29.557
<b>18</b>	Dascalu, G., Popescu, T., Feder, M., Caltun, O.F.	Structural, electric and magnetic properties of CoFe <sub>1.8</sub> RE <sub>0.2</sub> O <sub>4</sub> (RE=Dy, Gd, La) bulk materials	2013	Journal of Magnetism and Magnetic Materials	333	69 - 74	2.002	4	36.280
<b>19</b>	Dascalu, G., Pompilian, G., Chazallon, B., Nica, V., Caltun, O.F., Gurlui, S., Focsa, C.	Rare earth doped cobalt ferrite thin films deposited by PLD	2013	Applied Physics A: Materials Science and Processing	110	915 - 922	1.694	7	18.091
<b>20</b>	Dascalu, G., Durneata, D., Caltun, O.F.	Magnetic measurements of RE-doped cobalt ferrite thin films	2013	IEEE Transactions on Magnetics	49	46 - 49	1.213	3	32.593
<b>21</b>	Dascalu, G., Caltun, O.F.	CoFe <sub>2</sub> O <sub>4</sub> thin films deposited by PLD with in situ heating and post annealing	2011	Journal of Optoelectronics and Advanced Materials	13	1145 - 1148	0.457	2	26.210
							<b>TOTAL</b>		<b>616.103</b>

**2. Articole științifice publicate *in extenso* în reviste indexate *Web of Science* fără factor de impact**

	<b>Autori</b>	<b>Titlu</b>	<b>An</b>	<b>Jurnal</b>	<b>Volum</b>	<b>Pagina</b>	<b>Factor impact</b>	<b>Nr. Autori</b>	<b>Punctaj</b>
1	Rațoi, M., Dascălu, G., Stanciu, T., Gurlui, S.O., Stanciu, S., Istrate, B., Cimpoesu, N., Cimpoesu, R.	Preliminary results of FeMnSi+Si(PLD) alloy degradation	2014	Key Engineering Materials	638	117 - 122	0	8	2.50
		<b>TOTAL</b>							<b>2.50</b>

**I. 3. Articole științifice publicate *in extenso* în reviste indexate BDI**

<b>Nr. crt.</b>	<b>Autori</b>	<b>Titlu</b>	<b>An</b>	<b>Jurnal</b>	<b>Volum</b>	<b>Factor impact</b>	<b>Nr. Autori</b>	<b>Punctaj</b>
1	E.-V. Gafton, F. Haque, F. Hușanu, M. M. Cazacu, G. Bulai, S. Gurlui	Hydrogen passivation effect On ZnO powder	2017	Buletinul Institutului Politehnic din Iași	63		6	2.5
2	F. G. Hușanu, M. M. Cazacu, G. Bulai, S. Gurlui, E. Pettinelli,	Laboratory measurements for the characterization of the physical parameters of geomaterials and planetary analogues,	2018	Buletinul Institutului Politehnic din Iași	64		5	3
		<b>TOTAL</b>						<b>5.5</b>

**I. 5. Cărți științifice publicate (doar prima ediție)**

<b>Nr. crt.</b>	<b>Capitol carte</b>	<b>Punctaj</b>
1	B. Negulescu, G. Dascalu, O.F. Caltun, "Filme subțiri. Obținerea filmelor subțiri de ferită de cobalt" din "Ferite de cobalt magnetostrictive", coordinator Ovidiu Florin Caltun, Ed. Alexandru Ioan Cuza Iasi, 2009. (pp.: 131-173)	2.8
2	Advanced optical temote sensors for airborne and spaceborne platforms, M. M. Cazacu, A. Timofte, G. Bulai, S. Gurlui, D. Nicolae, A. Nemuc. L. Belegante, C. Radu, Capitol din cartea, "Romanian projects and initiatives in support of Earth Observation", Editor D. Nicolae, Editura Tehnopress, ISBN 978-606-687-281-2, 2016 (pp.: 37-40)	0.8
<b>TOTAL</b>		<b>3.6</b>

**I. 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)**

<b>Nr. crt.</b>	<b>Proiect</b>	<b>Suma</b>	<b>Nr. membri</b>	<b>Punctaj</b>
1	"The study of polym er-laser radiation interactions in controlled atmosphere. Laser ablation nanostructured thin films layers. Applications.", PN-II-ID-PCE-2011-3-0650, 2011-2014 - membru;	1500000	7	21.428
2	"Fast laser imaging, detection and ranging of aerosol emissions in aircraft plumes", STAR-ROSA 98/129.11.2013, 2013-2016 - membru;	800000	15	5.33
3	"Dinamica plasmei de ablatie laser: cercetari fundamentale si aplicatii ale depunerii de straturi subtiri prin tehnica PLD", UEFISCDI, 712/2013, 2013-2014 - membru;	20000	6	0.333
4	"Extreme Light Induced Ablation Plasma Jet And Nanopatterning", E03/30.06.2014, CAPACITATI / RO-CERN, ELI-NP, 2014-2016 - membru.	626557	21	2.98
5	"Synthesis and characterization of cobalt ferrite and polymers based on magnetic nanocomposites", project selected within	20000	1	2



	“Alexandru Ioan Cuza” University competition, November 2014 (project code GI-2014-06) – director proiect			
6	LOASL’s Earth Observatory, STAR-ROSA 114/7.11.2016, 2016-2017, Membru	4500000	7	64.28
7	Satellite hybrid micro-thrusters, STAR-ROSA 169/20.07.2017, 2017-2018, Membru	2000000	27	7.4
8	Aerosol properties retrieval from remote sensing spectroscopic measurements, STAR-ROSA 162/20.07.2017, 2017-2019, Membru	800000	22	3.63
	<b>TOTAL</b>			<b>107.381</b>

## 12. Citări și recenzii ale lucrărilor științifice

	<b>Autori</b>	<b>Titlu</b>	<b>An</b>	<b>Jurnal</b>	<b>Volum</b>	<b>Pagina</b>	<b>Factor impact</b>	<b>Nr. Autori</b>	<b>Punctaj</b>
<b>1</b>	Irimiciuc, S., Boidin, R., Bulai, G., Gurlui, S., Nemec, P., Nazabal, V., Focsa, C.	Laser ablation of (GeSe <sub>2</sub> ) <sub>100-x</sub> (Sb <sub>2</sub> Se <sub>3</sub> ) <sub>x</sub> chalcogenide glasses: Influence of the target composition on the plasma plume dynamics	2017	Applied Surface Science	418	594 - 600	4.439	7	
	Focsa C., Gurlui S., Nica P., Agop M., Ziskind M.	Plume splitting and oscillatory behavior in transient plasmas generated by high-fluence laser ablation in vacuum	2017	Applied Surface Science	424	299	4.439		14.11
<b>2</b>	Irimiciuc, S.A., Gurlui, S., Bulai, G., Nica, P., Agop, M., Focsa, C.	Langmuir probe investigation of transient plasmas generated by femtosecond laser ablation of several metals: Influence of the target physical properties on the plume dynamics	2017	Applied Surface Science	417	108 - 118	4.439	6	

	Harilal, S.S., Brumfield, B.E., Lahaye, N.L., Hartig, K.C., Phillips, M.C.	Optical spectroscopy of laser-produced plasmas for standoff isotopic analysis	2018	Applied Physics Reviews	5		12.894		44.65
	Liang, H., Yang, F., Wang, G., Guo, Y., Kang, Y., Wang, Y., Xue, H., Wei, Y.	Study of the optical and absorption properties of micro-nanostructure on metal surfaces	2018	Journal of Optical Technology (A Translation of Opticheskii Zhurnal)	85	83-87	0.392		2.97
	Shaim, Md.H.A., Wilson, F.G., Elsayed- Ali, H.E.	Aluminum multicharged ion generation from femtosecond laser plasma	2017	Journal of Applied Physics	121		2.176		8.92
	Focsa C., Gurlui S., Nica P., Agop M., Ziskind M.	Plume splitting and oscillatory behavior in transient plasmas generated by high-fluence laser ablation in vacuum	2017	Applied Surface Science	424	299	3.387		12.96
3	Caraman, I., Dmitroglu, L., Evtodiev, I., Leontie, L., Untila, D., Hamzaoui, S., Zerdali, M., Şuşu, O., Bulai, G., Gurlui, S.	Optical properties of ZnO thin films obtained by heat treatment of Zn thin films on amorphous SiO <sub>2</sub> substrates and single crystalline GaSe lamellas	2016	Thin Solid Films	617	103 - 107	1.879	10	
	Aydin, C.	Synthesis of Pd:ZnO nanofibers and their optical characterization dependent on modified morphological properties	2019	Journal of Alloys and Compounds	777	145-151	3.779		8.56
4	Gafton, E.V., Bulai, G., Caltun, O.F., Cervera, S., Macé, S., Trassinelli, M., Steydli, S., Vernhet, D.	Structural and magnetic properties of zinc ferrite thin films irradiated by 90 keV neon ions	2016	Applied Surface Science	379	171 - 178	3.387	8	

	Singh, J.P., Lee, B.-H., Lim, W.C., Shim, C.-H., Lee, J., Chae, K.H.	Microstructure, local electronic structure and optical behaviour of zinc ferrite thin films on glass substrate	2018	Royal Society Open Science	5	181330	2.504		7.51
5	Lutic, D., Petrovski, D., Ignat, M., Creşescu, I., Bulai, G.	Mesoporous cerium-doped titania for the photocatalytic removal of persistent dyes	2018	Catalysis Today			4.636	5	
	Chen, M., Qu, G., Yang, W., Li, W., Tang, Y.	Celgard membrane-mediated ion diffusion for synthesizing hierarchical Co(OH) <sub>2</sub> nanostructures for electrochemical applications	2018	Chemical Engineering Journal	350	209-216	6.735		28.94
	Bharatvaj, J., Preethi, V., Kanmani, S.	Hydrogen production from sulphide wastewater using Ce <sup>3+</sup> -TiO <sub>2</sub> photocatalysis	2018	International Journal of Hydrogen Energy	43	3935-3945	4.229		18.92
6	Virlan, C., Bulai, G., Caltun, O.F., Hempelmann, R., Pui, A.	Rare earth metals' influence on the heat generating capability of cobalt ferrite nanoparticles	2016	Ceramics International	42	11958 - 11965	2.986	5	
	Yadav, R.S., Kuřitka, I., Vilcakova, J., Havlica, J., Kalina, L., Urbánek, P., Machovsky, M., Skoda, D., Masař, M.	Influence of Gd <sup>3+</sup> -substitution on structural, magnetic, dielectric and modulus spectroscopic characteristics of ZnFe <sub>2</sub> O <sub>4</sub> spinel ferrite nanoparticles	2018	Journal of Materials Science: Materials in Electronics	29	15878-15893	2.324		11.30
	Ahmad, S.I., Ansari, S.A., Ravi Kumar, D.	Structural, morphological, magnetic properties and cation distribution of Ce and Sm co-substituted nano crystalline cobalt ferrite	2018	Materials Chemistry and Physics	208	248-257	2.21		10.84
	Naik, C.C., Salker, A.V.	Tailoring magnetic and dielectric properties of Co <sub>0.9</sub> Cu <sub>0.1</sub> Fe <sub>2</sub> O <sub>4</sub> with substitution of small fractions of Gd <sup>3+</sup> ions	2018	Journal of Materials Science: Materials in Electronics	29	5380-5390	2.324		11.30

	Virlean C., Tudorache F., Pui A.	Increased sensibility of mixed ferrite humidity sensors by subsequent heat treatment	2017	International Journal of Applied Ceramic Technology	14	1174	1.048		6.19
	Ahmad F., Zhou Y.	Pitfalls and Challenges in Nanotoxicology: A Case of Cobalt Ferrite (CoFe <sub>2</sub> O <sub>4</sub> ) Nanocomposites	2017	Chemical Research in Toxicology	30	492	3.278		15.11
7	Bulai, G., Dumitru, I., Pinteala, M., Focsa, C., Gurlui, S.	Magnetic nanoparticles generated by laser ablation in liquid	2016	Digest Journal of Nanomaterials and Biostructures	11	283 - 291	0.836	5	
	Kurniawan, G., Khumaeni, A.	Synthesis of iron oxide nanoparticle using pulsed laser ablation method at low laser energy	2018	AIP Conference Proceedings	2014	20074	0		2.00
8	Cimpoeșu, N., Trincă, L.C., Dascălu, G., Stanciu, S., Gurlui, S.O., Mareci, D.	Electrochemical characterization of a new biodegradable FeMnSi alloy coated with hydroxyapatite-zirconia by PLD technique	2016	Journal of Chemistry	2016		1.3	6	
	Cimpoeșu, N., Săndulache, F., Istrate, B., Cimpoeșu, R., Zegan, G.	Electrochemical behavior of biodegradable FeMnSi–MgCa alloy	2018	Metals	8		1.704		7.35
	Dobrița, S., Istrate, B., Cimpoeșu, N., Stanciu, S., Apostol, V., Cimpoeșu, R., Ioniță, I., Paraschiv, P.	Preliminary Results on the Corrosion Behaviour of a New Biodegradable Metallic Material Based on Zinc	2018	IOP Conference Series: Materials Science and Engineering	374		0		1.67
	Zaharia, M.G., Stanciu, S., Cimpoesu, R., Ionita, I., Cimpoesu, N.	Preliminary results on effect of H <sub>2</sub> S on P265GH commercial material for natural gases and petroleum transportation	2018	Applied Surface Science	438		4.439		16.46
	Baciu, E.R., Grădinaru, I., Baciu, M., Vasluiuanu, R.I., Cimpoesu, R., Baciu, C., Bejinariu, C.	Morphological Analysis (SEM) of the Surface of a Non-Noble Dental Alloy Subjected to Electrocorrosion	2017	IOP Conference Series: Materials Science and Engineering	209		0		1.67

	Zaharia, M.G., Stanciu, S., Cimpoesu, R., Nejneru, C., Savin, C., Manole, V., Cimpoeșu, N.	Electro-Chemical Behavior of Low Carbon Steel under $H_2S$ Influence	2017	IOP Conference Series: Materials Science and Engineering	209		0		1.67
	Săndulache, F., Stanciu, S., Cimpoeșu, N., Stanciu, T., Cimpoeșu, R., Enache, A., Baci, R.	Preliminary Results on the Surface of a New Fe-Based Metallic Material after "in Vivo" Maintaining	2017	IOP Conference Series: Materials Science and Engineering	209		0		1.67
	Baci, M.A., Nanu, C., Sandu, G.I., Toma, B.F., Bejinariu, C., Cazac, A., Toma, S.L.	Influence of the Process Parameters on the Properties of Diamax Deposits Obtained by Flame Thermal Spray	2017	IOP Conference Series: Materials Science and Engineering	209		0		1.67
	Crăciun R., Stanciu S., Geantă V., Voiculescu I., Cimpoeșu R., Manole V., Săndulache F., Cimpoeșu N.	New femnsi+al alloy proposed for high damping capacity elements	2017	Materials Science Forum	907 MSF	61	0		1.67
9	Bulai, G., Diamandescu, L., Dumitru, I., Gurlui, S., Feder, M., Caltun, O.F.	Effect of rare earth substitution in cobalt ferrite bulk materials	2015	Journal of Magnetism and Magnetic Materials	390	123 - 131	2.357	6	
	Li L.-Z., Zhong X.-X., Wang R., Tu X.-Q., He L., Wang F.-H.	Effects of Ce substitution on the structural and electromagnetic properties of NiZn ferrite	2019	Journal of Magnetism and Magnetic Materials	475	1-4	3.046		11.82
	Šoka M., Ušáková M., Dosoudil R., Ušák E., Lokaj J.	Effect of lanthanum substitution on structural and magnetic properties of nickel zinc ferrites	2018	AIP Advances	8	47802	1.568		6.89
	Dun, C., Xi, G., Zhang, Y., Zhao, T., Liu, Y., Heng, X., Yao, L.	Structural, magnetic and magnetostrictive properties of $Co_{1-x}Li_xFe_2O_4$ synthesized by cathode materials of spent Li-ion batteries	2018	Ceramics International	44	20984-20991	3.057		11.86

	Rather, M.U.D., Samad, R., Want, B.	Improved magnetoelectric effect in ytterbium doped BaTiO <sub>3</sub> –CoFe <sub>2</sub> O <sub>4</sub> particulate multiferroic composites	2018	Journal of Alloys and Compounds	755	89-99	3.779		14.26
	Jain, R., Luthra, V., Gokhale, S.	Probing influence of rare earth ions (Er <sup>3+</sup> , Dy <sup>3+</sup> and Gd <sup>3+</sup> ) on structural, magnetic and optical properties of magnetite nanoparticles	2018	Journal of Magnetism and Magnetic Materials	456	179-185	3.046		11.82
	Dun, C., Xi, G., Zhao, T., Zhang, Y., Liu, Y., Yang, L.	Influence of Er <sup>3+</sup> substitution on the structural, magnetic, and magnetostrictive properties of cobalt ferrite synthesized from spent Li-ion batteries	2018	Ceramics International	44	9276-9282	3.057		11.86
	Aubert, A., Loyau, V., Pascal, Y., Mazaleyrat, F., Lobue, M.	Dynamic Magnetostriction of CoFe <sub>2</sub> O <sub>4</sub> and Its Role in Magnetoelectric Composites	2018	Physical Review Applied	9	44035	4.782		17.61
	Xi, G., Zhao, T., Wang, L., Dun, C., Zhang, Y.	Effect of doping rare earths on magnetostriction characteristics of CoFe <sub>2</sub> O <sub>4</sub> prepared from spent Li-ion batteries	2018	Physica B: Condensed Matter	534	76-82	1.453		6.51
	Naik, C.C., Salker, A.V.	Tailoring magnetic and dielectric properties of Co <sub>0.9</sub> Cu <sub>0.1</sub> Fe <sub>2</sub> O <sub>4</sub> with substitution of small fractions of Gd <sup>3+</sup> ions	2018	Journal of Materials Science: Materials in Electronics	29	5380-5390	2.993		11.64
	Natarajan, S., Aravindan, V.	Burgeoning Prospects of Spent Lithium-Ion Batteries in Multifarious Applications	2018	Advanced Energy Materials		1802303	21.875		74.58
	Ghone D.M., Mathe V.L., Patankar K.K., Kaushik S.D.	Microstructure, lattice strain, magnetic and magnetostriction properties of holmium substituted cobalt ferrites obtained by co-precipitation method	2018	Journal of Alloys and Compounds	739	52	3.133		12.11
	Mammo T.W., Murali N., Sileshi Y.M., Arunamani T.	Effect of Ce-substitution on structural, morphological, magnetic and DC electrical resistivity of Co-ferrite materials	2018	Physica B: Condensed Matter	531	164	1.405		6.35

	Kharat S.P., Swadipta R., Kambale R.C., Kolekar Y.D., Ramana C.V.	Enhanced magnetostrictive properties of nanocrystalline Dy <sup>3+</sup> substituted Fe-rich Co <sub>0.8</sub> Fe <sub>2.2</sub> O <sub>4</sub> for sensor applications	2017	Journal of Applied Physics	122	164101	2.068		8.56
	Anantharamaiah P.N., Joy P.A.	Effect of size and site preference of trivalent non-magnetic metal ions (Al <sup>3+</sup> , Ga <sup>3+</sup> , In <sup>3+</sup> ) substituted for Fe <sup>3+</sup> on the magnetostrictive properties of sintered CoFe <sub>2</sub> O <sub>4</sub>	2017	Journal of Physics D: Applied Physics	50	435005	2.588		10.29
	Azizi Z.S., Tehrani M.M., Hamidi S.M., Vakili S.H., Pourmahdian S.	Engineered magneto-optical response of cobalt ferrite thin films deposited on self-assembled colloidal crystal	2017	Thin Solid Films	638	81	1.879		7.93
	Ateia E., El-Bassuony A.A.H.	Fascinating improvement in physical properties of Cd/Co nanoferrites using different rare earth ions	2017	Journal of Materials Science: Materials in Electronics	28	11482	2.019		8.40
	Sharma R., Komal, Kumar V., Bansal S., Singhal S.	Boosting the catalytic performance of pristine CoFe <sub>2</sub> O <sub>4</sub> with yttrium (Y <sup>3+</sup> ) inclusion in the spinel structure	2017	Materials Research Bulletin	90	94	2.446		9.82
	Xi G., Wang L., Zhao T.	Magnetic and magnetostrictive properties of RE-doped Cu-Co ferrite fabricated from spent lithium-ion batteries	2017	Journal of Magnetism and Magnetic Materials	424	130	2.63		10.43
	Vadivel M., Ramesh Babu R., Arivanandhan M., Ramamurthi K.	Structural, Spectral, Morphological, Dielectric, Magnetic, and Optical Properties of La-Ni ions co-substituted CoFe <sub>2</sub> O <sub>4</sub> Nanoparticles	2017	Journal of Superconductivity and Novel Magnetism	30	441	1.18		5.60
	El Foulani A.-H., Aamouche A., Jedaa A., Amjoud M., Ouzaouit K.	Catalytic activity of ferrite nanostructure monitored with infrared spectroscopy	2017	Journal of Materials and Environmental Science	8	863	0		1.67

	Bhame S.D., Joy P.A.	Magnetoelastic properties of terbium substituted cobalt ferrite	2017	Chemical Physics Letters	685	465	1.815		7.72
	Haik Dunn I., Jacobo S.E., Bercoff P.G.	Structural and magnetic influence of yttrium-for-iron substitution in cobalt ferrite	2017	Journal of Alloys and Compounds	691	130	3.133		12.11
	Yan Z., Luo J.	Effects of Ce[sbnd]Zn co-substitution on structure, magnetic and microwave absorption properties of nickel ferrite nanoparticles	2017	Journal of Alloys and Compounds	695	1185	3.133		12.11
	Alves T.E.P., Pessoni H.V.S., Franco A.	The effect of Y <sup>3+</sup> substitution on the structural, optical band-gap, and magnetic properties of cobalt ferrite nanoparticles	2017	Physical Chemistry Chemical Physics	19	16395	4.123		15.41
	Want B., Samad R., Rather M.U.D.	Effect of neodymium on the magnetic and dielectric properties of Nickel-cobalt ferrite	2017	Journal of Magnetism	22	450	0.713		4.04
	Ahmad Z., Atiq S., Abbas S.K., Ramay S.M., Riaz S., Naseem S.	Structural and complex impedance spectroscopic studies of Mg-substituted CoFe <sub>2</sub> O <sub>4</sub>	2016	Ceramics International	42	18271	2.986		11.62
	Kadam A.A., Rajpure K.Y.	Compositional variation of structural, electrical and magnetic properties of Dy substituted Ni–Co spinel ferrite	2016	Journal of Materials Science: Materials in Electronics	27	10484	2.019		8.40
	Huang T.-X., Li L.-Z., Yang J.	Structural and static magnetic properties of ce-substituted NiZnCo ferrite nanopowders	2016	Optoelectronics and Advanced Materials, Rapid Communications	10	590	0.47		3.23



	Anantharamaiah P.N., Joy P.A.	Enhancing the strain sensitivity of CoFe <sub>2</sub> O <sub>4</sub> at low magnetic fields without affecting the magnetostriction coefficient by substitution of small amounts of Mg for Fe	2016	Physical Chemistry Chemical Physics	18	10516	4.123		15.41
	Kakade S.G., Ma Y.-R., Devan R.S., Kolekar Y.D., Ramana C.V.	Dielectric, Complex Impedance, and Electrical Transport Properties of Erbium (Er <sup>3+</sup> ) Ion-Substituted Nanocrystalline, Cobalt-Rich Ferrite (Co <sub>1.1</sub> Fe <sub>1.9-x</sub> Er <sub>x</sub> O <sub>4</sub> )	2016	Journal of Physical Chemistry C	120	5682	4.536		16.79
	Kumar H., Srivastava R.C., Pal Singh J., Negi P., Agrawal H.M., Das D., Hwa Chae K.	Structural and magnetic study of dysprosium substituted cobalt ferrite nanoparticles	2016	Journal of Magnetism and Magnetic Materials	401	16	2.63		10.43
	Wu X., Ding Z., Song N., Li L., Wang W.	Effect of the rare-earth substitution on the structural, magnetic and adsorption properties in cobalt ferrite nanoparticles	2016	Ceramics International	42	4246	2.986		11.62
	Kakade S.G., Kambale R.C., Ramanna C.V., Kolekar Y.D.	Crystal strain, chemical bonding, magnetic and magnetostrictive properties of erbium (Er <sup>3+</sup> ) ion substituted cobalt-rich ferrite (Co <sub>1.1</sub> Fe <sub>1.9-x</sub> Er <sub>x</sub> O <sub>4</sub> )	2016	RSC Advances	6	33308	3.289		12.63
	Dippong T., Levei E.A., Diamandescu L., Bibicu I., Leostean C., Borodi G., Barbu Tudoran L.	Structural and magnetic properties of Co <sub>x</sub> Fe <sub>3-x</sub> O <sub>4</sub> versus Co/Fe molar ratio	2015	Journal of Magnetism and Magnetic Materials	394	111	2.357		9.52
10	Bulai, G., Gurlui, S., Caltun, O.F., Focsa, C.	Pure and rare earth doped cobalt ferrite laser ablation: Space and time resolved optical emission spectroscopy	2015	Digest Journal of Nanomaterials and Biostructures	10	1043 - 1053	0.756	4	

	Focsa C., Gurlui S., Nica P., Agop M., Ziskind M.	Plume splitting and oscillatory behavior in transient plasmas generated by high-fluence laser ablation in vacuum	2017	Applied Surface Science	424	299	3.387		19.44
11	Pompilian, O.G., Dascalu, G., Mihaila, I., Gurlui, S., Olivier, M., Nemec, P., Nazabal, V., Cimpoesu, N., Focsa, C.	Pulsed laser deposition of rare-earth-doped gallium lanthanum sulphide chalcogenide glass thin films	2014	Applied Physics A: Materials Science and Processing	117	197 - 205	1.704	9	
	Burlea, S.L., Leata, R., Agop, M., Cimpoesu, N.	Analyse of ti-based alloy for medical instruments after chemical, mechanical and physical processing	2016	Revista de Chimie	67	260-262	1.412		2.12
	Xiao L., Zhu J., Ding T., Wang Y., Fan Y., Bo Q.	Synthesis and characterization of Ce-incorporated CuInS <sub>2</sub> chalcopyrites	2015	Materials Letters	159	392	2.572		6.83
	Tao G., Ebendorff-Heidepriem H., Stolyarov A.M., Danto S., Badding J.V., Fink Y., Ballato J., Abouraddy A.F.	Infrared fibers	2015	Advances in Optics and Photonics	7	379	12.368		28.60
	Wu C., Mao D., Liu Z., Liang Q., Chen S., Yu Y., Wang L., Luo L., Xu J.	N-type In <sub>2</sub> S <sub>3</sub> films deposited by pulsed laser deposition: Effect of laser power on the properties of the films	2015	Materials Research Express	2	56401	0.968		3.26
	Popescu M., Lorinczi A., Sava F., Velea A., Simandan I.D., Badica P., Burdusel M., Galca A.C., Socol G., Jipa F., Zamfirescu M.	Thin films of amorphous Ga <sub>2</sub> S <sub>3</sub> and rare-earth sulphides	2015	Materials Letters	142	229	2.572		6.83

12	Rațoi, M., Dascălu, G., Stanciu, T., Gurlui, S.O., Stanciu, S., Istrate, B., Cimpoesu, N., Cimpoesu, R.	Preliminary results of FeMnSi+Si(PLD) alloy degradation	2014	Key Engineering Materials	638	117 - 122	0	8	
	Săndulache F., Stanciu S., Cimpoeșu N., Stanciu T., Cimpoeșu R., Enache A., Baci R.	Preliminary Results on the Surface of a New Fe-Based Metallic Material after "in Vivo" Maintaining	2017	IOP Conference Series: Materials Science and Engineering	209	12049	0		1.25
	Săndulache F., Stanciu S., Cimpoeșu N., Cimpoeșu R., Stanciu T.	Obtaining of Fe-Base biodegradable metallic alloy	2017	Key Engineering Materials	750 KEM	175	0		1.25
13	Dascalu, G., Pompilian, G., Chazallon, B., Caltun, O.F., Gurlui, S., Focsa, C.	Femtosecond pulsed laser deposition of cobalt ferrite thin films	2013	Applied Surface Science	278	38 - 42	2.538	6	
	Eskandari, F., Kameli, P., Salamat, H.	Effect of laser pulse repetition rate on morphology and magnetic properties of cobalt ferrite films grown by pulsed laser deposition	2019	Applied Surface Science	466,	215-223	4.439		16.46
	Bagade A.A., Rajpure K.Y.	Development of CoFe <sub>2</sub> O <sub>4</sub> thin films for nitrogen dioxide sensing at moderate operating temperature	2016	Journal of Alloys and Compounds	657	414	3.133		12.11
	Lefevre C., Roulland F., Thomasson A., Autissier E., Leuvrey C., Barre S., Versini G., Viart N., Pourroy G.	Stabilization of scandium rich spinel ferrite CoFe <sub>2-x</sub> Sc <sub>x</sub> O <sub>4</sub> (x≤1) in thin films	2015	Journal of Solid State Chemistry	232	118	2.265		9.22
	Wu M.L., Ren C.Z.	Active control of the anisotropic wettability of the carbon fiber reinforced carbon and silicon carbide dual matrix composites (C/C-SiC)	2015	Applied Surface Science	327	424	3.15		12.17
	Ahmed K.M.T., Ling E.J.Y., Servio P., Kietzig A.-M.	Introducing a new optimization tool for femtosecond laser-induced surface texturing on titanium, stainless steel, aluminum and copper	2015	Optics and Lasers in Engineering	66	258	2.319		9.40

	Bagade A.A., Ganbavle V.V., Rajpure K.Y.	Physicochemical properties of spray-deposited CoFe <sub>2</sub> O <sub>4</sub> thin films	2014	Journal of Materials Engineering and Performance	23	2787	0.998		4.99
14	Dascalu, G., Popescu, T., Feder, M., Caltun, O.F.	Structural, electric and magnetic properties of CoFe <sub>1.8</sub> RE <sub>0.2</sub> O <sub>4</sub> (RE=Dy, Gd, La) bulk materials	2013	Journal of Magnetism and Magnetic Materials	333	69 - 74	2.002	4	
	Devi, E.C., Soibam, I.	Tuning the magnetic properties of a ferrimagnet	2019	Journal of Magnetism and Magnetic Materials	469	587-592	3.046		17.73
	Almessiere M.A., Demir Korkmaz A., Slimani Y., Nawaz M., Ali S., Baykal A.	Magneto-optical properties of rare earth metals substituted Co-Zn spinel nanoferrites	2018	Ceramics International			3.057		17.785
	Mugutkar, A.B., Gore, S.K., Mane, R.S., Batoo, K.M., Adil, S.F., Jadhav, S.S.	Magneto-structural behaviour of Gd doped nanocrystalline Co-Zn ferrites governed by domain wall movement and spin rotations	2018	Ceramics International	44	21675-21683	3.057		17.785
	Chakrabarty, S., Pal, M., Dutta, A.	Yttrium doped cobalt ferrite nanoparticles: Study of dielectric relaxation and charge carrier dynamics	2018	Ceramics International	44	14652-14659	3.057		17.785
	Dun, C., Xi, G., Zhao, T., Zhang, Y., Liu, Y., Yang, L.	Influence of Er <sup>3+</sup> -substitution on the structural, magnetic, and magnetostrictive properties of cobalt ferrite synthesized from spent Li-ion batteries	2018	Ceramics International	44	9276-9282	3.057		17.785
	Naik, C.C., Salker, A.V.	Tailoring magnetic and dielectric properties of Co <sub>0.9</sub> Cu <sub>0.1</sub> Fe <sub>2</sub> O <sub>4</sub> with substitution of small fractions of Gd <sup>3+</sup> ions	2018	Journal of Materials Science: Materials in Electronics	29	5380-5390	2.324		14.12
	Rajesh Kanna, R., Sakthipandi, K., Seeni Mohamed Aliar, S.M., Lenin, N.,	Doping effect of rare-earth (lanthanum, neodymium and gadolinium) ions on structural, optical, dielectric and magnetic properties of copper nanoferrites	2018	Journal of Rare Earths			2.524		15.12

	Sivabharathy, M.								
	Singamaneni S.R., Martinez L.M., Swadipta R., Ramana C.V.	Magnetic and electron spin resonance studies of W doped CoFe <sub>2</sub> O <sub>4</sub> polycrystalline materials	2018	AIP Advances	8	55801	0		2.5
	Ghone D.M., Mathe V.L., Patankar K.K., Kaushik S.D.	Microstructure, lattice strain, magnetic and magnetostriction properties of holmium substituted cobalt ferrites obtained by co- precipitation method	2018	Journal of Alloys and Compounds	739	61	3.133		18.17
	Hashim M., Raghasudha M., Meena S.S., Shah J., Shirsath S.E., Kumar S., Ravinder D., Bhatt P., Alimuddin, Kumar R., Kotnala R.K.	Influence of rare earth ion doping (Ce and Dy) on electrical and magnetic properties of cobalt ferrites	2018	Journal of Magnetism and Magnetic Materials	449	319	2.63		15.65
	Malik H., Khan M.A., Hussain A., Warsi M.F., Mahmood A., Ramay S.M.	Structural, spectral, thermal and dielectric properties of Nd-Ni co-doped Sr-Ba-Cu hexagonal ferrites synthesized via sol-gel auto- combustion route	2018	Ceramics International	44	605	2.986		17.43
	Orozco C., Melendez A., Manadhar S., Singamaneni S.R., Reddy K.M., Gandha K., Niebedim I.C., Ramana C.V.	Effect of Molybdenum Incorporation on the Structure and Magnetic Properties of Cobalt Ferrite	2017	Journal of Physical Chemistry C	121	25463	4.536		25.18
	Kharat S.P., Swadipta R., Kambale R.C., Kolekar Y.D., Ramana C.V.	Enhanced magnetostrictive properties of nanocrystalline Dy <sup>3+</sup> substituted Fe-rich Co <sub>0.8</sub> Fe <sub>2.2</sub> O <sub>4</sub> for sensor applications	2017	Journal of Applied Physics	122	164101	2.068		12.84

	Kesavamoorthi R., Raja C.R.	Structural and Magnetic Properties of Cobalt and Copper Ions Mixed Nickel Ferrite Nanoparticles	2017	Journal of Superconductivity and Novel Magnetism	30	2535	1.18		8.40
	Chen W., Wu W., Liu D., Wu J.	Improvement of the coercivity of rod-like NiCuMg ferrites induced by substitution of Dy <sup>3+</sup> ions for Fe <sup>3+</sup> ions	2017	Journal of Materials Science: Materials in Electronics	28	2901	2.019		12.60
	Sumathi S., Lakshmipriya V.	Structural, magnetic, electrical and catalytic activity of copper and bismuth co-substituted cobalt ferrite nanoparticles	2017	Journal of Materials Science: Materials in Electronics	28	2795	2.019		12.60
	Chen W., Liu D., Wu W., Zhang H., Wu J.	Structure and magnetic properties evolution of rod-like Co <sub>0.5</sub> Ni <sub>0.25</sub> Zn <sub>0.25</sub> Dy <sub>x</sub> Fe <sub>2-x</sub> O <sub>4</sub> synthesized by solvothermal method	2017	Journal of Magnetism and Magnetic Materials	422	49	2.63		15.65
	Zubair A., Ahmad Z., Mahmood A., Cheong W.-C., Ali I., Khan M.A., Chughtai A.H., Ashiq M.N.	Structural, morphological and magnetic properties of Eu-doped CoFe <sub>2</sub> O <sub>4</sub> nano-ferrites	2017	Results in Physics	7	3203	0.946		7.23
	Kakade S.G., Kambale R.C., Kolekar Y.D., Ramana C.V.	Dielectric, electrical transport and magnetic properties of Er <sup>3+</sup> -substituted nanocrystalline cobalt ferrite	2016	Journal of Physics and Chemistry of Solids	98	20	2.059		12.80
	Kakade S.G., Ma Y.-R., Devan R.S., Kolekar Y.D., Ramana C.V.	Dielectric, Complex Impedance, and Electrical Transport Properties of Erbium (Er <sup>3+</sup> ) Ion-Substituted Nanocrystalline, Cobalt-Rich Ferrite (Co <sub>1.1</sub> Fe <sub>1.9-x</sub> Er <sub>x</sub> O <sub>4</sub> )	2016	Journal of Physical Chemistry C	120	5682	4.536		25.18
	Kadam R.H., Desai K., Shinde V.S., Hashim M., Shirsath S.E.	Influence of Gd <sup>3+</sup> ion substitution on the MnCrFeO <sub>4</sub> for their nanoparticle shape formation and magnetic properties	2016	Journal of Alloys and Compounds	657	487	3.133		18.17

	Chen H.-Y., Hu J., Zhang J., Guo K., Li Y., Lan B.-H.	Separation of particles of rare earth oxides by dielectrophoresis	2016	Materials Science Forum	852	542	0		2.50
	Kakade S.G., Kambale R.C., Ramanna C.V., Kolekar Y.D.	Crystal strain, chemical bonding, magnetic and magnetostrictive properties of erbium (Er <sup>3+</sup> ) ion substituted cobalt-rich ferrite (Co <sub>1.1</sub> Fe <sub>1.9</sub> -XEr <sub>x</sub> O <sub>4</sub> )	2016	RSC Advances	6	33308	3.289		18.95
	Jauhar S., Kaur J., Goyal A., Singhal S.	Tuning the properties of cobalt ferrite: A road towards diverse applications	2016	RSC Advances	6	97694	3.289		18.95
	Heiba Z.K., Bakr Mohamed M., Arda L., Dogan N.	Cation distribution correlated with magnetic properties of nanocrystalline gadolinium substituted nickel ferrite	2015	Journal of Magnetism and Magnetic Materials	391	195	2.357		14.29
	Opuchovic O., Kreiza G., Senvaitiene J., Kazlauskas K., Beganskiene A., Kareiva A.	Sol-gel synthesis, characterization and application of selected sub-microsized lanthanide (Ce, Pr, Nd, Tb) ferrites	2015	Dyes and Pigments	118	176	4.055		22.78
	Yadav R.S., Havlica J., Kuřitka I., Kozakova Z., Bartoníčková E., Masilko J., Kalina L., Wasserbauer J., Hajdúchová M., Enev V.	Structural and Magnetic Properties of CoFe <sub>2-x</sub> GdxO <sub>4</sub> (0.0 ≤ x ≤ 0.1) Spinel Ferrite Nanoparticles Synthesized by Starch-Assisted Sol-Gel Auto-combustion Method	2015	Journal of Superconductivity and Novel Magnetism	28	1797	1.1		8.00
	Wu X., Wu W., Qin L., Wang K., Ou S., Zhou K., Fan Y.	Structure and magnetic properties evolution of nickel-zinc ferrite with lanthanum substitution	2015	Journal of Magnetism and Magnetic Materials	379	232	2.357		14.29
	Khan M.A., Javid Ur Rehman M., Mahmood K., Ali I., Niaz Akhtar M., Murtaza G., Shakir I., Farooq Warsi M.	Impacts of Tb substitution at cobalt site on structural, morphological and magnetic properties of cobalt ferrites synthesized via double sintering method	2015	Ceramics International	41	2286	2.758		16.29

	Lin Q., Lin J., He Y., Wang R., Dong J.	The structural and magnetic properties of gadolinium doped CoFenanoferites	2015	Journal of Nanomaterials	2015	294239	1.758		11.29
	Majumder A., Ugendar K., Anoop Baby K.B., Chunchu V., Mondal R.A., Markandeyulu G.	Anisotropy, Magnetostriction and Converse Magnetoelectric Effect in Dy Substituted Ni Ferrite	2015	Physics Procedia	75	238	0		2.50
	Mahmoudi M., Kavanlouei M., Maleki-Ghaleh H.	Effect of composition on structural and magnetic properties of nanocrystalline ferrite Li0.5SmxFe2.5-xO4	2015	Powder Metallurgy and Metal Ceramics	54	31	0.235		3.68
	Jnaneshwara D.M., Avadhani D.N., Daruka Prasad B., Nagabhushana H., Nagabhushana B.M., Sharma S.C., Prashantha S.C., Shivakumara C.	Role of Cu <sup>2+</sup> ions substitution in magnetic and conductivity behavior of nano-CoFe <sub>2</sub> O <sub>4</sub>	2014	Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy	132	256	2.353		14.27
	Kumar L., Kumar P., Kar M.	Non-linear behavior of coercivity to the maximum applied magnetic field in la substituted nanocrystalline cobalt ferrite	2014	Physica B: Condensed Matter	448	38	1.319		9.10
	Zhao X., Wang W., Zhang Y., Wu S., Li F., Liu J.P.	Synthesis and characterization of gadolinium doped cobalt ferrite nanoparticles with enhanced adsorption capability for Congo Red	2014	Chemical Engineering Journal	250	164	4.321		24.11
	Panda R.K., Behera D.	Investigation of electric transport behavior of bulk CoFe <sub>2</sub> O <sub>4</sub> by complex impedance spectroscopy	2014	Journal of Alloys and Compounds	587	481	2.999		17.50
	Inbanathan S.S.R., Vaithyanathan V., Arout Chelvane J., Markandeyulu G., Kamala Bharathi K.	Mössbauer studies and enhanced electrical properties of R (R=Sm, Gd and Dy) doped Ni ferrite	2014	Journal of Magnetism and Magnetic Materials	353	41	1.97		12.35



	Naidu V., Chandra S., Durairaj K.S.P., Sundar J.K., Sivabharathy M.	Effect of structural, electrical, and magnetic properties of nano-sized Mg Er $\times$ Dy $y$ Fe $2-x-y$ O $4$	2014	International Journal of ChemTech Research	6	5595	0		2.50
	Ahamed Kandu Sahib S.K.A., Suganthi M., Naidu V., Pandian S., Sivabharathy M.	Synthesis of double lanthanide doped nano ferrite meta material for microstrip patch antenna application	2014	Klinicka Farmakologie a Farmacie	28	4615	0		2.50
	Ahamed Kandu Sahib S.K.A., Suganthi M., Naidu V., Pandian S., Sivabharathy M.	Synthesis of double lanthanide doped nano ferrite meta material for microstrip patch antenna application	2014	International Journal of ChemTech Research	6	4615	0		2.50
	Wells S., Ramana C.V.	Effect of hafnium-incorporation on the microstructure and dielectric properties of cobalt ferrite ceramics	2013	Ceramics International	39	9549	2.086		12.93
15	Dascalu, G., Pompilian, G., Chazallon, B., Nica, V., Caltun, O.F., Gurlui, S., Focsa, C.	Rare earth doped cobalt ferrite thin films deposited by PLD	2013	Applied Physics A: Materials Science and Processing	110	915 - 922	1.694	7	
	Kokare M.K., Jadhav N.A., Singh V., Rathod S.M.	Effect of Sm $3+$ substitution on the structural and magnetic properties of Ni-Co nanoferrites	2019	Optics and Laser Technology	112	107-116	2.503		8.58
	Sinha, A., Dutta, A.	Structural Interpretation of Ion Transport and Small Polaron Hopping Conduction in Gd Substituted Nickel Nanoferrites	2018	Physica Status Solidi (A) Applications and Materials Science	215		1.795		6.56
	Kokare, M.K., Jadhav, N.A., Kumar, Y., Jadhav, K.M., Rathod, S.M.	Effect of Nd $3+$ doping on structural and magnetic properties of Ni $0.5$ Co $0.5$ Fe $2$ O $4$ nanocrystalline ferrites synthesized by sol-gel auto combustion method	2018	Journal of Alloys and Compounds	748	1053-1061	3.779		12.23

	Virlean C., Tudorache F., Pui A.	Increased sensibility of mixed ferrite humidity sensors by subsequent heat treatment	2017	International Journal of Applied Ceramic Technology	14	1174	1.048		4.42
	Mandal S.K., Singh S., Dey P., Roy J.N., Mandal P.R., Nath T.K.	Temperature and frequency dependence of AC electrical properties of Zn and Ni doped CoFe <sub>2</sub> O <sub>4</sub> nanocrystals	2017	Philosophical Magazine	97	1628	1.505		5.73
	Cocean A., Cocean I., Gurlui S., Iacomì F.	Study of the pulsed laser deposition phenomena by means of comsol multiphysics	2017	UPB Scientific Bulletin, Series A: Applied Mathematics and Physics	79	263	0.279		2.23
	Want B., Samad R., Rather M.U.D.	Effect of neodymium on the magnetic and dielectric properties of Nickel-cobalt ferrite	2017	Journal of Magnetism	22	450	0.713		3.47
	Lefevre C., Roulland F., Thomasson A., Autissier E., Leuvrey C., Barre S., Versini G., Viart N., Pourroy G.	Stabilization of scandium rich spinel ferrite CoFe <sub>2-x</sub> Sc <sub>x</sub> O <sub>4</sub> (x≤1) in thin films	2015	Journal of Solid State Chemistry	232	118	2.299		8.00
	Wang P., Jin C., Zheng D.X., Bai H.L.	Strain-mediated magnetic and transport properties of epitaxial Lu <sub>x</sub> Fe <sub>3-x</sub> O <sub>4</sub> films	2015	Journal of Applied Physics	118	133901	2.101		7.43
	Rahman M.T., Vargas M., Ramana C.V.	Structural characteristics, electrical conduction and dielectric properties of gadolinium substituted cobalt ferrite	2014	Journal of Alloys and Compounds	617	547	2.999		10.00
	Prathapani S., Jayaraman T.V., Varaprasadarao E.K., Das D.	Structural and ambient/sub-ambient temperature magnetic properties of Er-substituted cobalt-ferrites synthesized by sol-gel assisted auto-combustion method	2014	Journal of Applied Physics	116	23908	2.183		7.67
	Rahman M.T., Ramana C.V.	Gadolinium-substitution induced effects on the structure and AC electrical properties of cobalt ferrite	2014	Ceramics International	40	14533	2.605		8.87

	Mohammadifar Y., Shokrollahi H., Karimi Z., Karimi L.	The synthesis of $\text{Co}_{1-x}\text{Dy}_x\text{Fe}_2\text{O}_4$ nanoparticles and thin films as well as investigating their magnetic and magneto-optical properties	2014	Journal of Magnetism and Magnetic Materials	366	44	1.97		7.06
	Rahman M.T., Ramana C.V.	Impedance spectroscopic characterization of gadolinium substituted cobalt ferrite ceramics	2014	Journal of Applied Physics	116	164108	2.183		7.67
16	Dascalu, G., Durneata, D., Caltun, O.F.	Magnetic measurements of RE-doped cobalt ferrite thin films	2013	IEEE Transactions on Magnetics	49	46 - 49	1.213	3	
	Al-Anazi A., Abdelraheem W.H., Han C., Nadagouda M.N., Sygellou L., Arfanis M.K., Falaras P., Sharma V.K., Dionysiou D.D.	Cobalt ferrite nanoparticles with controlled composition-peroxymonosulfate mediated degradation of 2-phenylbenzimidazole-5-sulfonic acid	2018	Applied Catalysis B: Environmental	221	266	9.446		66.31
	Avazpour L., Toroghinejad M.R., Shokrollahi H.	Enhanced magneto-optical Kerr effect in rare earth substituted nanostructured cobalt ferrite thin film prepared by sol-gel method	2016	Applied Surface Science	387	869	3.387		25.91
	Lefevre C., Roulland F., Thomasson A., Autissier E., Leuvrey C., Barre S., Versini G., Viart N., Pourroy G.	Stabilization of scandium rich spinel ferrite $\text{CoFe}_{2-x}\text{Sc}_x\text{O}_4$ ( $x \leq 1$ ) in thin films	2015	Journal of Solid State Chemistry	232	118	2.265		18.43
	Yadav R.S., Havlica J., Kuřitka I., Kozakova Z., Bartoníčková E., Masilko J., Kalina L., Wasserbauer J., Hajdúchová M., Enev V.	Structural and Magnetic Properties of $\text{CoFe}_{2-x}\text{Gd}_x\text{O}_4$ ( $0.0 \leq x \leq 0.1$ ) Spinel Ferrite Nanoparticles Synthesized by Starch-Assisted Sol-Gel Auto-combustion Method	2015	Journal of Superconductivity and Novel Magnetism	28	1797	1.1		10.67

	Yang, H., Ye, T., Lin, Y., Liu, M., Zhang, G., Kang, P.	Preparation and magnetic properties of $\text{CoFe}_2\text{O}_4/\text{Y}_3\text{Fe}_5\text{O}_{12}$ nanocomposite powders	2015	Journal of Materials Science: Materials in Electronics	26	1827-1831	2.324		18.83
	Zhao X., Wang W., Zhang Y., Wu S., Li F., Liu J.P.	Synthesis and characterization of gadolinium doped cobalt ferrite nanoparticles with enhanced adsorption capability for Congo Red	2014	Chemical Engineering Journal	250	164	4.321		32.14
	Prathapani S., Jayaraman T.V., Varaprasadarao E.K., Das D.	Structural and ambient/sub-ambient temperature magnetic properties of Er-substituted cobalt-ferrites synthesized by sol-gel assisted auto-combustion method	2014	Journal of Applied Physics	116	23908	2.183		17.89
	Saccone F.D., Vavassori P., Berger A.	Structural and magnetic properties of multilayered $\text{TiO}_2/\text{FM}/\text{TiO}_2/\text{FM}/\text{CoFe}_2\text{O}_4$ (FM: Fe or Py) films grown by pulsed laser deposition	2013	IEEE Transactions on Magnetics	49	4542	1.213		11.42
17	Dascalu, G., Caltun, O.F.	$\text{CoFe}_2\text{O}_4$ thin films deposited by PLD with in situ heating and post annealing	2011	Journal of Optoelectronics and Advanced Materials	13	1145 - 1148	0.457	2	
	Sánchez-Arenillas M., Oujja M., Moutinho F., de la Figuera J., Cañamares M.V., Quesada A., Castillejo M., Marco J.F.	Bulk and surface characterisation of micrometer-thick cobalt ferrite films grown by IR PLD	2019	Applied Surface Science	470	917-922	3.387		38.87
	De La Figuera J., Quesada A., Martín-García L., Sanz M., Oujja M., Castillejo M., Mascaraque A., N'Diaye A.T., Foerster M., Aballe L., Marco J.F.	Mössbauer and magnetic properties of coherently mixed magnetite-cobalt ferrite grown by infrared pulsed-laser deposition	2015	Croatica Chemica Acta	88	453	0.732		12.32

18	Stirbu, I., Vizureanu, P., Cimpoesu, R., Dascalu, G., Gurlui, S.O., Bernevig, M., Benchea, M., Cimpoeu, N., Postolache, P.	Advanced metallic materials response at laser excitation for medical applications	2015	Journal of Optoelectronics and Advanced Materials	17	1179-1185	0.383	9	
	Bacaita, E.S., Stan, C.S., Agop, M., Cioca, G.	Spectral properties of HEMA/poly(HEMA) as ligand in luminescent europium based complexes through computational investigation	2018	Revista de Chimie	69	2430-2434	1.412		2.12
	Cinteza, E., Ungureanu, A., Balgradean, M., Nicolescu, A.	Beneficial effects of acetaminophen on the chemical mediators involved in the closure of patent ductus arteriosus	2018	Revista de Chimie	69	1537-1540	1.412		2.12
	Ochiuz, L., Ghiciuc, C., Ignat, M., Popa, M., Peptu, C.A., Vasile, A.	Development of a modified-release drug delivery system with bexarotene loaded in clinoptilolite	2017	Materiale Plastice	54	581-585	1.248		1.94
	Cioca, G., Bacaita, E.S., Agop, M., Lupascu Ursulescu, C.	Anisotropy Influences on the Drug Delivery Mechanisms by Means of Joint Invariant Functions	2017	Computational and Mathematical Methods in Medicine	2017	5748273	1.545		4.54
									1700.18

**13. Lucrări susținute în calitate de invitat la manifestări științifice (conferințe, congrese, simpozioane, seminarii și ateliere de lucru)**

<b>Nr. crt.</b>	<b>Lucrare invitat</b>	<b>Punctaj</b>
1	G. Dascalu, L. Diamandescu, M. Feder, A. Pui, I. Dumitru, S. Gurlui, O.F. Caltun, Study of cobalt ferrite bulk materials doped with rare earth ions, IEEE ROMSC 2014, IASI, ROMANIA;	10
2	O. G. Pompilian, G. Dascalu, S. Gurlui, C. Focsa, Processing and characterization of advanced materials by laser ablation techniques, 9th International Conference on Physics of Advanced Materials, ICPAM 2012, Iasi, Romania;	10
	<b>TOTAL</b>	<b>20</b>

**I. 14. Profesor/cercetător invitat la universități/institute de cercetare**

<b>Nr. crt.</b>	<b>Cercetator invitat</b>	<b>Punctaj</b>
1	Lille 1 University – Science and Technology, Laboratoire de Physique des Lasers, Atomes et Molécules (UMR CNRS 8523), 59655 Villeneuve d’Ascq, France, 15.11.2010 – 15.07.2011, Research Assistant	25
2	Lille 1 University – Science and Technology, Laboratoire de Physique des Lasers, Atomes et Molécules (UMR CNRS 8523), 59655 Villeneuve d’Ascq, France, 01.07.2013 – 15.07.2013, Research Assistant	25
3	University of Geneva, Condensed Matter Physics Department, Ernest-Ansermet 24, CH-1211 Genève 4, Switzerland, 01.03.2012 – 31.03.2012, Research Assistant	25
4	Institute for Ion Physics and Applied Physics, University of Innsbruck, Innrain 52 A-6020 Innsbruck, Austria 08.09.2014 - 13.09.2014 Research Assistant	25
5	Lille 1 University – Science and Technology, Laboratoire de Physique des Lasers, Atomes et Molécules (UMR CNRS 8523), 59655 Villeneuve d’Ascq, France, 01.05.2014 – 31.05.2014 Research Assistant	25
	<b>TOTAL</b>	<b>125</b>

## 19. Participări la manifestări științifice

Nr. crt.	Participari la conferinte internatioanale	Punctaj
1	Florin Enescu, Stefan-Andrei Irimiciuc, Nicanor Cimpoiesu, Horea Bedeleian, Bianca Hodoroaba, Georgiana Bulai, Silviu Gurlui, Spatial and temporal analysis on plasma plumes generated by laser ablation on geo-materials, EMRS Spring meeting, 2018, 18-22 iunie, Strasbourg, Franta;	10
2	Stefan Andrei Irimiciuc, Georgiana Bulai, Maricel Agop, Silviu Gurlui, Laser ablation plasma diagnosis for PLD thin layer quality control, EMRS Spring meeting, 2018, 18-22 iunie, Strasbourg, Franta;	10
3	Stefan Andrei Irimiciuc, Georgiana Bulai, Silviu Gurlui, Dan Gheorghe Dimitriu, Role of molecule formation and multiple - structure scenarios in dynamics of laser produced plasmas, 24th Europhysics Conference on Atomic and Molecular Physics of Ionized Gases (ESCAMPIG), 17-21 iulie 2018, Glasgow, Scotland, Anglia;	10
4	Francisca Husanu, Georgiana Bulai, Stefan Irimiciuc, Vasilica Trandafir, Nicanor Cimpoiesu, Silviu Gurlui, Investigation of rare earth doped cobalt ferrite thin films deposited by PLD, International Balkan Workshop on Applied Physics and Materials Science, 10-13 iulie 2018, Constanta, Romania;	10
5	G. Bulai, S. Irimiciuc, V. Gafton, N. Cimpoiesu, C. Focsa, S. Gurlui, Influence of rare earth addition on cobalt ferrite thin films deposited by pulsed laser deposition, 3-5 septembrie, 2018, Viena, Austria;	10
6	G. Bulai, S. Irimiciuc, A. Cocean, V. Trandafir, F. Husanu, S. Gurlui, Optical emission spectroscopy analysis of laser induced plasmas on magnetic materials, International Conference on Physics of Advanced Materials, 22 – 28 septembrie 2018, Heraklion, Grecia;	10
7	M.M. Cazacu, G. Bulai, A. Timofte, A. Rosu, O. Rusu, F. Husanu, L. Leontie, S. Gurlui „Space-and time-resolved aerosols emission spectroscopy: advanced LIDAR techniques for environmental approach”, Advances On Photocatalysis, AdvPhotoCat-E 2017, The 2nd International Workshop, Technological Educational Institute (TEI) of Crete, Heraklion, Grecia, 2017;	10
8	G. Bulai. A. Timofte, M. Cazacu, S. Gurlui, Laser induced RAMAN & breakdown spectroscopy techniques. Fundaments and Applications, 11th International Conference Elsedima “Environmental Legislation, Safety Engineering And Disaster Management” Building Disaster Resilience In A Changing World, 2016, Cluj-Napoca, Universitatea Babeș-Bolyai, Romania,	10
9	S. Gurlui, M. M. Cazacu, A. Timofte, O. Rusu, G. Bulai, D. Dan, Space- and time-resolved Raman and breakdown spectroscopy: Advanced lidar techniques, Accepted to: 28th International Laser Radar Conference, Bucharest, Romania, 2017	10
10	G.. Bulai, S. Irimiciuc, F. Husanu, O. Rusu, M. Cazacu, S. Gurlui, Characterization of cobalt ferrite laser induced plasma by optical emission spectroscopy, Accepted to: International Conference on Laser Spectroscopy (ICOLS 2017), Palais des Congres, Arcachon, France, 2017;	10
11	G. Bulai, M. Cazacu, S. Gurlui, Spectrally resolved LIDAR detection of atmospheric and pollutant compounds, Accepted to: International Conference on Laser Spectroscopy (ICOLS 2017), Palais des Congres, Arcachon, Franta, 2017;	10

12	G. Bulai, O. Pompilian, S. Gurlui, P. Nemec, V. Nazabal, B. Chazallon, C. Focsa, Ge-Sb-Te based thin films obtained by pulsed laser deposition in different temporal regimes, The 9th International Conference on Advanced Materials, ROCAM, 2017	10
13	G. Bulai, S. Irniciuc, F. Husanu, O. Rusu, M. M. Cazacu, S. Gurlui, Optical Emission Spectroscopy Analysis of Fe, Co and CoFe <sub>2</sub> O <sub>4</sub> laser induced plasmas, The 9th International Conference on Advanced Materials, ROCAM, 2017.	10
14	S. Gurlui, M.M. Cazacu, G. Bulai, A. Timofte, A. Rosu, E.R. Rotaru, B. Albina, O. Rusu, O.G. Tudose, F. Fusanu, L. Leontie, Map of the pollutants in Iasi City: atmospheric and terrestrial measurements, International Symposium "Present Environment and Sustainable Development", 12th edition, Iasi, Romania, 2017;	10
15	S. Irniciuc, R. Boidin, G. Bulai, S. Gurlui, P. Nemec, V. Nazabal, C. Focsa, Laser ablation of (GeSe <sub>2</sub> ) <sub>100-x</sub> (Sb <sub>2</sub> Se <sub>3</sub> ) <sub>x</sub> chalcogenide glasses : Influence of the target composition on the plasma plume dynamics, EMRS Spring Meeting, 2016, Lille, Franta;	10
16	G. Bulai, B. Chazallon, A. Popa, F. Iacom, S. Gurlui, C. Focsa, Influence of rare earth addition in cobalt ferrite thin films deposited by PLD, EMRS Spring Meeting, 2016, Lille, Franta;	10
17	G. Bulai, O. Pompilian, V. Nazabal, P. Nemec, B. Chazallon, S. Gurlui, C. Focsa, Structural and optical properties of Ge-Sb-Te thin films grown by nanosecond and femtosecond laser ablation, International Conference on Physics of Advanced Materials, ICPAM 2016, Cluj-Napoca, Romania;	10
18	O. Rusu, A. Timofte, M. Cazacu, G. Bulai, S. Gurlui, Preliminary meteorological and air quality studies upon the natural climatic Ciric, Iasi area, ELSEDDIMA 11th International Conference, 2016, Cluj-Napoca, Romania;	10
19	G. Bulai, A. Popa, D. Toloman, F. Iacom, C. Focsa, S. Gurlui, Magnetic properties of Gd and La doped cobalt ferrite thin films, International Conference on NANOSTRUCTURES and nanomaterials SELF-Assembly, 2016, Messina, Italia;	10
20	G. Bulai, B. C. Hodoroba M. Pinteala, C. Focsa, S. Gurlui, Structural and magnetic properties of ferrite nanoparticles generated by laser ablation in liquid, International Conference on Extreme Light (ICEL) 2015, Bucuresti, Romania;	10
21	G. Bulai, B. Chazallon, I. Dumitru, S. Gurlui, C. Focsa, Influence of deposition conditions on rare earth doped cobalt ferrite thin films obtained by PLD, Conference on Laser Ablation, 2015, Cairns, Australia;	10
22	G. Bulai, S. Gurlui, B. Parvatheeswara Rao, Ovidiu Florin Caltun, Alternating target laser ablation deposition of Cu doped cobalt ferrite thin films, International Conference on Magnetism, 2015, Barcelona, Spania;	10
23	G. Bulai, A. Fifere, I. Dumitru, M. Pinteala, C. Focsa, S. Gurlui, Structural and magnetic properties of cobalt ferrite nanoparticles obtained by laser ablation in liquid, International Conference on Magnetism, 2015, Barcelona, Spania;	10
24	M. Strat, N. Cimpoesu, V. Pohoata, E. Buruiana, G. Bulai, S. Gurlui, Selforganization of Nanoagregates Polyurethane Coumarins, Frontiers in Polymer Science, 2015, Riva del Garda, Italia;	10
25	G. Bulai, V. Nica, B. Chazallon, S. Gurlui, C. Focsa, Influence of rare earth addition on structural and magnetic properties of cobalt ferrite thin films, EMRS Spring Meeting, 2015, Lille, Franta;	10
26	M. M. Cazacu, A. Timofte, O. Rusu, B. Albina, G. Bulai, L. Leontie, and S. Gurlui, Advanced optical remote sensors for airborne and spaceborne platforms, The 4th International Conference on the Physics of Optical Materials and Devices, 2015, Budva, Muntenegu;	10
27	M. M. Cazacu, A. Timofte, O. Rusu, G. Bulai, S. Gurlui, Study of the physico-chemical properties of the atmosphere dynamics: long distance remote laser induced raman & breakdown spectroscopy, Environment & Progress, Simpozion național cu participare internațională, Cluj-Napoca, Romania, 2015;	10



28	E. V. Gafton, G. Bulai, I. Dumitru, B. P. Rao, O. F. Caltun, Pulsed laser deposition of Cu doped cobalt ferrite thin films, Amorphous and nanostructured magnetic materials, Iasi, Romania, 2015;	10
29	C. Virlan, G. Bulai, O. F. Caltun, R. Hempelmann, A. Pui, Rare earth doped Co ferrite for technological applications, Amorphous and nanostructured magnetic materials, Iasi, Romania, 2015;	10
30	G. Dascalu, S. Gurlui, P. Nemec, O. Pompilian, C. Focsa, Nano-, Pico- and Femto-second Laser Ablation of Pure and Rare-earth-doped Gallium Lanthanum Sulphide: A Comparative Study by Space- and Time-resolved Optical Emission Spectroscopy, International Conference on Laser Induced Breakdown Spectroscopy (LIBS 2014), 2014, Beijing, China;	10
31	G. Dascalu, O. G. Pompilian, I. Mihaila, S. Gurlui, P. Hawlova, P. Nemec, V. Nazabal, C. Focsa, Pure and Rare-Earth Doped Gallium Lanthanum Sulphide Amorphous Thin Films Grown by Pulsed Laser Deposition in Various Temporal Regimes, European Materials Research Society (E-MRS) Spring Meeting, E-MRS 2014, Lille, Franta;	10
32	R. Boidin, S. Gurlui, G. Dascalu, P. Nemec, V. Nazabal, C. Focsa, Pulsed Laser Deposition of Ge-Sb-Se glasses: A plasma plume dynamics study, European Materials Research Society Spring Meeting, E-MRS 2014, Lille, Franta;	10
33	G. Bulai, M. M. Cazacu, S. Gurlui, C. Focsa, Optical and spectral investigations of CoFe <sub>2</sub> O <sub>4</sub> and CoFe <sub>1.8</sub> RE <sub>0.2</sub> O <sub>4</sub> (RE=Dy, Gd) plasma plume generated by laser ablation, TIM14 Physics Conference, TIM 14, Timisoara, Romania;	10
34	G. Dascalu, O. Pompilian, N. Cimpoesu, V. Nazabal, P. Nemec, P. Hawlova, B. Chazallon, S. Gurlui, C. Focsa, Improved surface structure and chemical composition of Ge-Sb-Te thin films grown by femtosecond and picosecond PLD, European Materials Research Society Spring Meeting, E-MRS 2014, Lille, France;	10
35	G. Dascalu, O. Pompilian, S. Gurlui, P. Nemec, C. Focsa, Space- and time-resolved optical emission spectroscopy of transient plasma generated by ns and fs laser ablation of Pr- and Er-doped GaLaS, European Materials Research Society Spring Meeting, E-MRS 2014, Lille, France;	10
36	G. Bulai, O. Pompilian, V. Nazabal, P. Nemec, B. Chazallon, S. Gurlui, C. Focsa, Influence of ablation conditions on the structural and optical properties of Ge-Sb-Te based thin films deposited by PLD, Electroceramics Conference, 2014, Bucharest, Romania;	10
37	G. Bulai, L. Diamandescu, I. Dumitru, S. Gurlui, M. Feder, O. F. Caltun, Synthesis and characterization of RE (RE=Dy, Gd, La, Sm, Yb, Er, Ho) doped cobalt ferrite bulk materials, Electroceramics Conference, 2014, Bucharest, Romania;	10
38	G. Bulai, L. Diamandescu, I. Dumitru, S. Gurlui, M. Feder, O. F. Caltun, Magnetic and magnetostrictive behaviour of rare earth doped cobalt ferrite bulk materials, European Conference on Magnetic Sensors and Actuators, EMSA 2014, Vienna, Austria;	10
39	G. Bulai, O. Caltun, S. Gurlui, M. Feder, B. Chazallon, C. Focsa, Structural and magnetic properties of rare earth doped cobalt ferrite thin films grown by pulsed laser deposition, International Conference on Thin Films, 2014, Dubrovnik, Croatia;	10
40	Rémi Boidin, Jean-Marc Kfoury, Silviu Gurlui, Georgiana Dascalu, Petr Nemec, Virginie Nazabal, Cristian Focsa, Space- and Time-Resolved Optical Emission Spectroscopy of Plasma Plume Dynamics in Laser Ablation of Ge-Sb-Se Chalcogenide Glasses, International Conference on Laser Induced Breakdown Spectroscopy (LIBS 2014), 2014, Beijing, China;	10
41	O. G. Pompilian, G. Dascalu, I. Mihaila, S. Gurlui, M. Olivier, P. Nemec, V. Nazabal, N. Cimpoesu, C. Focsa, Pulsed Laser Deposition of Gallium Lanthanum Sulphide Chalcogenide Thin Films, 12th International Conference on Laser Ablation, COLA 2013, Ischia, Italy;	10

42	G. Dascalu, M. S. Stratulat, O. F. Caltun, C. Focsa, Magnetic and magnetostrictive measurements of RE doped cobalt ferrite bulks and thin films, European Magnetic Sensors and Actuators, EMSA 2012, Prague, Czech Republic;	10
43	G. Dascalu, O. F. Caltun, G. S. N. Rao, B. P. Rao, K. H. Rao, Improved magnetostrictive properties of manganese substituted cobalt ferrite for automobile torque sensor applications, European Magnetic Sensors and Actuators, EMSA 2012, Prague, Czech Republic;	10
44	T. Popescu, G. Dascalu, L. Diamandescu, M. Feder, O. F. Caltun, Occurrence of the REFeO <sub>3</sub> (RE=La, Gd, Dy) orthoferrite phases and their influence on the magnetic and sintering properties of the CoRE <sub>0.2</sub> Fe <sub>1.8</sub> O <sub>4</sub> system, The 8th General Conference of Balkan Physical Union, BPU 2012, Constanta, Romania;	10
45	G. Dascalu, V. Nica, P. Postolache, O. F. Caltun, Rare earth addition in cobalt ferrite thin films, Joint Conference COST MPO904 Action & the 9th Edition IEEE-ROMSC 2012, Iasi, Romania	10
46	G. Dascalu, G. Pompilian, O. F. Caltun, B. Chazallon, C. Focsa, Rare earth doped cobalt ferrite thin films deposited by PLD, Conference On Laser Ablation, COLA 2011, Cancun, Mexico;	10
47	G. Dascalu, G. Pompilian, S. Gurlui, O. F. Caltun, C. Focsa, Structural and magnetic properties of rare earth doped cobalt ferrite thin films, Soft Magnetic Materials Conference, SMM 2011, Kos, Greece;	10
48	G. Dascalu, G. Pompilian, O. F. Caltun, S. Gurlui, C. Focsa, Pulsed Laser Deposition of Rare Earth Doped Cobalt Ferrite Thin Films, International Balkan Workshop on Applied Physics, IBWAP 2011, Constanta, Romania;	10
49	G. Dascalu, I. Mihaila, G. Popa, O. F. Caltun, The influence of the microstructure on the magnetic properties of cobalt ferrite thin films, International Balkan Workshop on Applied Physics, IBWAP 2010, Constanta, Romania;	10
50	G. Dascalu, C. Ursu, C. Focsa, O. Caltun, G. Popa, „Magnetic properties of cobalt ferrite thin films deposited by PLD, Conference on Plasma Physics and Applications, CPPA 2010, Iasi, Romania.	10
51	L. M. Hrib, O. Pompilian, G. Dascalu, O. Caltun, S. Gurlui, C. Focsa, Pulsed laser deposition of [CoFe <sub>2</sub> O <sub>4</sub> ] <sub>x</sub> -[BaTiO <sub>3</sub> ] <sub>1-x</sub> thin films: structural and plasma plume investigations, International Balkan Workshop on Applied Physics, IBWAP 2010, Constanta, Romania;	10
52	G. Dascalu, L. Ursu, V. Melnig, O. F. Caltun, Cobalt ferrite thin films deposited by spin coating technique, International Balkan Workshop on Applied Physics, IBWAP 2010, Constanta, Romania;	10
53	G. Dascalu, S. Belosetchi, L. M. Hrib, I. Dumitru, O. F. Caltun, Magnetic and electric properties of composites based on cobalt ferrite and barium titanate, International Balkan Workshop on Applied Physics, IBWAP 2009, Constanta, Romania;	10
54	G. Dascalu, G. Rusu, I. Mihaila, O. F. Caltun, G. Popa, Cobalt ferrite thin films by PLD, International Balkan Workshop on Applied Physics (IBWAP), 2008, Constanta, Romania;	10
55	Membru în Comitetul Local de Organizare „International Conference on Physics of Advanced Materials”, 22 - 28 Septembrie 2014, Iasi, Romania	15
<b>TOTAL</b>		<b>555</b>

<b>Nr. crt.</b>	<b>Participari la conferinte nationale</b>	<b>Punctaj</b>
1	J. A. Gabor, G. Dascalu, D. G. Dimitriu, O. Pompilian, M. Agop, P. E. Nica, N. Cimpoesu, L. Stratulat, M. Osiac, C. Focsa, S. Gurlui, Laser Ablation Plasma (LAP): Techniques and Applications, Physics and Modern Education Technologies, 2013, Iasi, Romania;	2
2	G. Dascalu, V. Nica, P. Postolache, O. F. Caltun, Influence of rare earth doping ions on the structural and magnetic properties of cobalt ferrite, IEEE ROMSC 2011, Iasi, Romania;	2
3	S. Belosetchi, G. Dascalu, L. Boutiuc Hrib, I. Dumitru, O.F. Caltun, The electric properties of barium titanate - cobalt ferrite composites, Physics and Modern Education Technologies, 2010, Iasi, Romania;	2
4	G. Dascalu, L. Boutiuc, O. F. Caltun, The influence of the deposition parameters and post annealing conditions on the anisotropy of cobalt ferrite thin films, Physics National Conference, 2010, Iasi, Romania;	2
5	G. Dascalu, L. Ursu, V. Melnig, O. F. Caltun, Nanostructured cobalt ferrite thin films deposited by spin coating technique, Physics National Conference, 2010, Iasi, Romania;	2
6	G. Dascalu, I. Mihaila, O. F. Caltun, G. Popa, Cobalt ferrite thin films deposited by PLD with in situ heating and post-annealing, Joint MmdE- IEEE ROMSC 2010, Iasi, Romania;	2
7	G. Dascalu, O. F. Caltun, Structural and magnetic properties of cobalt ferrite thin films deposited by spin coating technique, Joint MmdE- IEEE ROMSC 2010, Iasi, Romania;	2
8	L. M. Hrib, G. Dascalu, N .M. Palamaru, A. R. Iordan, T. Slatineanu, I. Dumitru, M. Feder, O. F. Caltun, Magnetostriction coefficients of manganese substituted cobalt ferrite obtained by autocombustion methods, Workshop on Fundamental and Applied Research in Physics, 2009, Iasi, Romania;	2
9	G. Dascalu, L. Boutiuc Hrib, V. Gafton, O. F. Caltun, The influence of dopants on the Curie temperature of Co ferrite, Physics and Modern Education Technologies, 2009, Iasi, Romania;	2
10	I. Mihaila, C. Ursu, G. Dascalu, G. Rusu, O. F. Caltun, G. Popa, The influence of the deposition parameters on the microstructure of cobalt ferrite thin films, IEEE ROMSC 2008, Iasi, Romania;	2
11	S. Belosetchi, G. Dascalu, L. Boutiuc Hrib, O. Caltun, I. Dumitru, Barium titanate - cobalt ferrite composites, Workshop on Fundamental and Applied Research in Physics, 2008, Iasi, Romania;	2
12	Membru în secretariatul conferinței “Fizica și Tehnologiile Educaționale Moderne”, Iasi, Romania, editiile: Mai 2010, Mai 2016, Mai 2017 si Mai 2018;	20
	<b>TOTAL</b>	<b>42</b>