

Fișa de verificare a îndeplinirii standardelor minimale

I. **Fișa de verificare conexă Anexei Nr. 3** din Ordinul nr. 6560 din 27 decembrie 2012, publicată în *Monitorul Oficial*, partea I, nr. 890bis/27.12.2012.

ACTIVITATEA A1

Pentru verificarea activității A1, indicatorul 1.1.

Nr.	Cărți și capitole în cărți de specialitate	Autori	Editor, an	Naționale	Inter-naționale	Punctaj
1.	Metode de separare a materialelor reciclabile	M. Lungu	Editura Universitatii de Vest, Timisoara 2005	DA		0.2
2.	Plasma Physics and Applications	M. Lungu	Editura Universitatii de Vest, Timisoara 2006	DA		0.2
3.	Nanoparticles' Promises and Risks; Characterization, Manipulation, and Potential Hazards to Humanity and Environment,	M. Lungu, A. Neculae, M. Bunoiu and C.G. Biris (editors)	Springer Science+Business Media 2014		DA	0.2
4.	Cap. 2 : <i>Forte de gradient in camp electric</i> , Carte : Forte de gradient si aplicatii	I. Hrianca, M. Lungu, C. Sora	Editura Mirton Timisoara 1995	DA		0.2
5.	Cap. 3 : <i>Forte de gradient in camp magnetic</i> , Carte : Forte de gradient si aplicatii	C. Sora, M. Lungu, et al	Editura Mirton Timisoara 1995	DA		0.2
6.	Chapter I: <i>Nanoparticles: Definition, Classification and General Physical Properties</i> , Book: Nanoparticles' Promises and Risks; Characterization, Manipulation, and Potential Hazards to Humanity and the Environment	N. Strambeanu, L. Demetrovici, D. Dragos and M. Lungu	Springer Science+Business Media 2014		DA	0.4
7.	Chapter 13: <i>Nanoparticle Characterization Using Nanoparticle Tracking Analysis</i> , Book: Nanoparticles' Promises and Risks; Characterization, Manipulation, and Potential Hazards to Humanity and the Environment	A. Lungu, M. Lungu, A. Neculae and R. Giugiulan	Springer Science+Business Media 2014		DA	0.4
8.	Chapter 14: <i>Dielectrophoresis Used for Nanoparticle Manipulation in Microfluidic Devices</i> , Book: Nanoparticles' Promises and Risks; Characterization, Manipulation, and Potential Hazards to Humanity and the Environment	M. Lungu, M. Bunoiu and A. Neculae	Springer Science+Business Media 2014		DA	0.4
Punctaj total indicator 1.1						2.2

Pentru verificarea activității A1, indicatorul 1.2.

Nr.	Material didactic/Lucrări de laborator	Manual didactic	Îndrumătoare de lab./aplic.	Punctaj
1.	Materiale si dispozitive semiconductoare, Indrumator de laborator, partea a II-a, Schlett, Z., Lungu, M., Tipografia Universitatii de Vest din Timisoara, 1993		DA	0.2
2.	Aplicatii in LabView, Lucrari de laborator (format electronic) Link: www.physics.uvt.ro/~lmihai/Aplicatii LabView.zip		DA	0.2

3.	Plasma Physics, Course, Schlett, Z., Lungu, M., Rasa, M., Tipografia Universitatii de Vest din Timisoara, 1994	DA		0.2
4.	Metode fizice de separare a materialelor, Curs, Lungu Mihai, Tipografia Universitatii de Vest din Timisoara, 2000	DA		0.2
Punctaj total indicator 1.2				0.8

Pentru verificarea activității A1, indicatorul 1.3.

Nr.	Brevete de invenție	Naționale	Internaționale	Punctaj
1.	Z.Schlett, M.Lungu : <i>Separator magnetic, pentru particule metalice, neferomagnetice, din amestecuri heterogene</i> , Brevet de invenție nr. 118701, OSIM 31.07.2003	DA		0.2
Punctaj total indicator 1.3				0.2

Pentru verificarea activității A1, indicatorul 1.4.

Nr.	Coordonare de programe de studii, organizare și coordonare de formare continuă și proiecte educaționale	Granturi/proiecte de cercetare în valoare de peste 100000 Euro, câștigate prin competiție	Director/Responsabil	Punctaj
1.		<i>Reducerea emisiilor de nanoparticule prin optimizarea proceselor de filtrare a gazelor reziduale de ardere</i> ”, Programul IDEI nr. 175/25.10.2011, codul PN-II-ID-PCE-2011-3-0762, <u>Sursa de finanțare</u> : UEFISCDI, valoare 1028449 lei, <u>Perioada</u> : 25.10.2011 – 24.10.2016	Director proiect	0.4
Punctaj total indicator 1.4				0.4

Punctaj total obtinut pentru activitatea A1: 3.6

ACTIVITATEA A2

Indicatorul 2.1 – Articole în *Reviste cotate ISI Thomson Reuters și în volume indexate ISI proceedings*

Nr.	Referința bibliografică (Autori, Titlul, Revista, Vol., anul, pag.inceput-pag. sfârșit)	a_i	n_i	n_i^{ef}	a_i / n_i^{ef}
1.	M. Lungu , Z. Schlett: <i>Vertical drum eddy-current separator with permanent magnets</i> , International Journal of Mineral Processing, Vol. 63 (4), pp. 207-216 (2001) doi:10.1016/S0301-7516(01)00047-3	0.4	2	2	0.2
2.	Z. Schlett, F. Claiici, I. Mihalca and M. Lungu : <i>A new static separator for metallic particles from metal-plastic mixtures, using eddy currents</i> , Minerals Engineering, Vol. 15 (1-2), pp. 111-113 (2002) doi:10.1016/S0892-6875(01)00215-1	0.4	4	4	0.1
3.	R. Meier-Staude, Z. Schlett, M. Lungu , D. Baltateanu: <i>A new possibility in Eddy-Current separation</i> , Minerals Engineering Vol. 15, pp. 287-291 (2002) https://doi.org/10.1016/S0892-6875(02)00007-9	0.4	4	4	0.1
4.	Z. Schlett, M. Lungu : <i>Eddy-current separator with inclined magnetic disc</i> , Minerals Engineering, Vol. 15 (5), pp.365-367 (2002), doi:10.1016/S0892-6875(02)00025-0	0.4	2	2	0.2
5.	R. Koenlechner, Z. Schlett, M. Lungu , C. Caizer: <i>A new wet Eddy-current separator</i> , Resources, Conservation and Recycling, Vol. 37 (1), pp. 55-60 (2002), doi:10.1016/S0921-3449(02)00057-5	0.2	4	4	0.05
6.	M. Lungu , P. Rem: <i>Separation of small non-ferrous particles using an inclined drum eddy-current separator with permanent magnets</i> , IEEE Transaction on Magnetics. Vol.38 (3), pp. 1534-1538 (2002) doi.org/10.1109/20.999128	0.5	2	2	0.25
7.	M.Lungu , P.Rem: <i>Eddy-Current Separation of Small Nonferrous Particles By a Single Disk Separator With Permanent Magnets</i> , IEEE Transaction on Magnetics. Vol.39 (4), pp. 2062-2067 (2003) doi 10.1109/TMAG.2003.812724	0.5	2	2	0.25

8.	M.Lungu: <i>Electrical separation of plastic materials using the triboelectric effect</i> , Minerals Engineering, Vol. 17 (1), pp. 69-75 (2004) doi:10.1016/j.mineng.2003.10.010	0.3	1	1	0.3
9.	M.Lungu: <i>Separation of small nonferrous particles using an angular rotary drum eddy-current separator with permanent magnets</i> , International Journal of Mineral Processing, Vol. 78 (1), pp. 22-30 (2005) doi.org/10.1016/j.minpro.2005.07.003	0.7	1	1	0.7
10.	M.Lungu: <i>Separation of small metallic nonferrous particles in low concentration from mineral wastes using dielectrophoresis</i> , International Journal of Mineral Processing, Vol. 78 (4), pp. 215-219 (2006) doi.org/10.1016/j.minpro.2005.10.007	0.6	1	1	0.6
11.	M. Lungu: <i>Separation of small nonferrous particles using a two successive steps eddy-current separator with permanent magnets</i> , International Journal of Mineral Processing, Vol. 93 (2), pp. 172-178, (2009) doi.org/10.1016/j.minpro.2009.07.012	0.497	1	1	0.497
12.	M. Lungu, A. Neculae and M. Bunoiu: <i>Some considerations on the dielectrophoretic manipulation of nanoparticles in fluid media</i> , Journal of Optoelectronics and Advanced Materials, Vol. 12 (12), pp. 2423-2426 (2010)	0.113	3	3	0.037
13.	M. Lungu, A. Neculae, M. Bunoiu and N. Strambeanu: <i>Some considerations on the nanoparticles manipulation in fluid media using dielectrophoresis</i> , Romanian Journal of Physics, 56 (5-6), pp. 749-756 (2011) .	0.1	4	4	0.025
14.	M. Lungu, A. Neculae, C.G. Biris, M. Bunoiu: <i>Numerical analysis of nanoparticles behavior in a microfluidic channel under dielectrophoresis</i> , Journal of Nanoparticle Research, Vol. 14 (10), art. no. 1154. (2012).	0.676	4	4	0.169
15.	R. Giugiulan, I. Malaescu, M. Lungu and N. Strambeanu: <i>The Clausius-mossotti factor in low frequency field of the powders resulted from wastes combustion</i> , Romanian Journal of Physics, Vol. 59 (7-8), pp. 862-872 (2014)	0.165	4	4	0.041
16.	A. Neculae, R. Giugiulan, M. Bunoiu, and M. Lungu: <i>Effects of fluid flow velocity upon nanoparticle distribution in microfluidic devices under dielectrophoresis</i> , Romanian Reports in Physics, Vol. 66 (3), pp. 754-764 (2014)	0.21	4	4	0.052
17.	M. Lungu, A. Neculae and A. Lungu: Positive dielectrophoresis used for selective trapping of nanoparticles from flue gas in a gradient field electrodes device, <i>Journal of Nanoparticle Research</i> , Vol. 17 (12), 1-14, 2015, DOI: 10.1007/s11051-015-3304-y	0.529	3	3	0.176
18.	A. Neculae, M. Bunoiu, A. Lungu and M. Lungu: Filtration of flue gas by retaining of nanoparticle in microfluidic devices using dielectrophoresis, <i>Romanian Reports in Physics</i> , Vol. 68, Nr. 3, 2016.	0.242	4	4	0.060
19.	A. Neculae, M. Bunoiu, A. Lungu and M. Lungu: Filtration of flue gas in microfluidic devices using dielectrophoresis, <i>Romanian Journal of Physics</i> , Vol. 61, No. 5-6, 2016.	0.243	4	4	0.060
20.	M. Lungu and N. Stefu: Study on particulate matter dispersion by correlating direct measurements with numerical simulations. Case study: Timisoara urban area, <i>International Journal of Environmental Science and Technology</i> , In press 2017, DOI: 10.1007/s13762-017-1521-x	0.37	2	2	0.185
Punctaj total indicator 2.1					I = 4.052

Formula de calcul pentru indicatorul 2.1:
$$I = \sum_{i=1}^n \frac{a_i}{n_i^{ef}}$$

unde:

i – enumeră articolele care prezintă contribuții științifice originale, in extenso, publicate de candidat, ca autor sau coautor, în reviste cotate ISI;

n – numărul total de publicații în reviste cotate ISI Thomson Reuters și în volume indexate ISI Proceedings;

a_i – scorul de influență absolut al revistei respective;

$$n_i^{ef} - \text{numărul efectiv de autori ai publicației "i"; } n_i^{ef} = \begin{cases} n_i, & n_i \leq 5 \\ (n_i + 10)/3, & n_i \in [5, 80] \\ 30, & n_i \geq 80 \end{cases}$$

n_i – numărul de autori ai publicației “ i “.

Indicatorul 2.2 – *Articole în reviste cotate ISI Thomson Reuters și în volume indexate ISI proceedings, pentru care candidatul este prim autor sau autor correspondent*

Nr.	Referința bibliografică (Autori, Titlul, Revista, Vol., anul, pag. inceput - pag. sfârșit)	a_i
1.	M. Lungu, Z. Schlett: <i>Vertical drum eddy-current separator with permanent magnets</i> , International Journal of Mineral Processing, Vol. 63 (4), pp. 207-216 (2001) doi:10.1016/S0301-7516(01)00047-3	0.4
2.	M. Lungu, P. Rem: <i>Separation of small non-ferrous particles using an inclined drum eddy-current separator with permanent magnets</i> , IEEE Transaction on Magnetics, Vol.38 (3), pp. 1534-1538 (2002)	0.5
3.	M.Lungu, P.Rem: <i>Eddy-Current Separation of Small Nonferrous Particles By a Single Disk Separator With Permanent Magnets</i> , IEEE Transaction on Magnetics, Vol.39 (4), pp. 2062-2067 (2003) doi 10.1109/TMAG.2003.812724	0.5
4.	M.Lungu: <i>Electrical separation of plastic materials using the triboelectric effect</i> , Minerals Engineering, Vol. 17 (1), pp. 69-75 (2004) doi:10.1016/j.mineng.2003.10.010	0.3
5.	M.Lungu: <i>Separation of small nonferrous particles using an angular rotary drum eddy-current separator with permanent magnets</i> , International Journal of Mineral Processing, Vol. 78 (1), pp. 22-30 (2005)	0.7
6.	M.Lungu: <i>Separation of small metallic nonferrous particles in low concentration from mineral wastes using dielectrophoresis</i> , International Journal of Mineral Processing, Vol. 78 (4), pp. 215-219 (2006)	0.6
7.	M. Lungu: <i>Separation of small nonferrous particles using a two successive steps eddy-current separator with permanent magnets</i> , International Journal of Mineral Processing, Vol. 93 (2), pp. 172–178, (2009)	0.497
8.	M. Lungu, A. Neculae and M. Bunoiu: <i>Some considerations on the dielectrophoretic manipulation of nanoparticles in fluid media</i> , Journal of Optoelectronics and Advanced Materials, Vol. 12 (12), pp. 2423-2426 (2010) .	0.11
9.	M. Lungu, A. Neculae, M. Bunoiu and N. Strambeanu: <i>Some considerations on the nanoparticles manipulation in fluid media using dielectrophoresis</i> , Romanian Journal of Physics, 56 (5-6), pp. 749-756 (2011) .	0.113
10.	M. Lungu, A. Neculae, C.G. Biris, M. Bunoiu: <i>Numerical analysis of nanoparticles behavior in a microfluidic channel under dielectrophoresis</i> , Journal of Nanoparticle Research, Vol. 14 (10), art. no. 1154. (2012).	0.676
11.	M. Lungu, A. Neculae and A. Lungu: <i>Positive dielectrophoresis used for selective trapping of nanoparticles from flue gas in a gradient field electrodes device</i> , Journal of Nanoparticle Research, Vol. 17 (12), 1-14 (2015) doi: 10.1007/s11051-015-3304-y	0.529
12.	A. Neculae, M. Bunoiu, A. Lungu and M. Lungu: <i>Filtration of flue gas by retaining of nanoparticle in microfluidic devices using dielectrophoresis</i> , Romanian Reports in Physics, Vol. 68, Nr. 3 (2016)	0.242
13.	A. Neculae, M. Bunoiu, A. Lungu and M. Lungu: <i>Filtration of flue gas in microfluidic devices using dielectrophoresis</i> , Romanian Journal of Physics, Vol. 61, No. 5–6 (2016)	0.243
14.	M. Lungu and N. Stefu: <i>Study on particulate matter dispersion by correlating direct measurements with numerical simulations. Case study: Timisoara urban area</i> , International Journal of Environmental Science and Technology, In press 2017, DOI: 10.1007/s13762-017-1521-x	0.37
Punctaj total indicator 2.2		P =5.78

$$\text{Formula de calcul pentru indicatorul 2.2: } P = \sum_{i=1}^m a_i ,$$

unde:

m – numărul total de publicații în reviste cotate ISI Thomson Reuters și în volume indexate ISI proceedings, pentru care candidatul este prim autor sau autor correspondent;

a_i – scorul de influență absolut al revistei respective (www.eigenfactor.org);

Punctaj total pentru activitatea A2: $I/2 + P/1.5 = 2.026+2.89=4.916$

ACTIVITATEA A3

Indicatorul 3.1 – *Citări în reviste indexate ISI*

Nr. publ.	Nr. publ.	Referința bibliografică a publicației care citează (Autori, Titlul,	C_i al	n_i^{ef} al	Punctaj
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citată	care citează	Revista, Vol., anul, pag.inceput -pag. sfârșit)	publ. citate	publ. citate	$\frac{c_i}{n_i^{ef}}$
I.	M. Lungu, Z. Schlett: <i>Vertical drum eddy-current separator with permanent magnets</i> , International Journal of Mineral Processing, Vol. 63, 207-216 (2001)		9	2	4.5
	1.	An environmental friendly recovery production line of waste toner cartridges, Authors: Ruan Jujun; Li Jia; Xu Zhenming Source: Journal of Hazardous Materials, Vol. 185 (2-3), pp. 696-702 (2011) https://doi.org/10.1016/j.jhazmat.2010.09.074			
	2.	A new model of repulsive force in eddy current separation for recovering waste toner cartridges, Authors: Ruan Jujun; Li Jia; Xu Zhenming Source: Journal of Hazardous Materials, Vol. 192 (1), pp. 307-313 (2011) https://doi.org/10.1016/j.jhazmat.2011.05.025			
	3.	Approaches to Improve Separation Efficiency of Eddy Current Separation for Recovering Aluminum from Waste Toner Cartridges Authors: Ruan Jujun; Xu Zhenming, Source: Environ. Sci. Technol., Vol. 46 (11), pp. 6214-6221 (2012) doi: 10.1021/es3008358			
	4.	Research review of scrap metals eddy current separation technology, Authors: Wang, D.,Ma, X.,Zhi, X.,Zhang, S, Source: Sensors and Transducers, Vol. 158 (11), pp. 242-248 (2013)			
	5.	Research review of scrap metals eddy current separation technology, Authors: Wang, D.,Ma, X.,Zhi, X.,Zhang, S, Source: Sensors and Transducers, Vol. 162 (1), pp. 177-183 (2014)			
	6.	Environment-friendly technology for recovering nonferrous metals from e-waste: Eddy current separation, Authors: Ruan, J.,Qian, Y.,Xu, Z., Source: Resources, Conservation and Recycling, Vol. 87, pp. 109-116 (2014) https://doi.org/10.1016/j.resconrec.2014.03.017			
	7.	Constructing environment-friendly return road of metals from e-waste: Combination of physical separation technologies, Authors: Ruan, J.,Xu, Z., Source: Renewable and Sustainable Energy Reviews, Vol. 54, pp. 745-760 (2016) http://dx.doi.org/10.1016/j.rser.2015.10.114			
	8.	Key factors of eddy current separation for recovering aluminum from crushed e-waste, Authors: Ruan, J., et. al., Source: Waste Management, Vol. 60, pp. 84-90 (2017) http://dx.doi.org/10.1016/j.wasman.2016.08.018			
	9.	Hollow Aluminum Particle in Eddy Current Separation of Recovering Waste Toner Cartridges, Authors: Zheng, J., et. al., Source: ACS Sustainable Chem. Eng., Vol. 5(1), pp. 161-167 (2017) doi: 10.1021/acssuschemeng.6b01168			
II.	Z. Schlett, F. Claiçi, I. Mihalca and M. Lungu: <i>A new static separator for metallic particles from metal-plastic mixtures, using eddy currents</i> , Minerals Engineering, Vol. 15 (1-2), pp. 111-113 (2002)		7	4	1.75
	1.	Progress in Separating Plastic Materials for Recycling, Authors: Dodbiba, G. and Fujita, T. Source: Physical Separation in Science and Engineering, Volume 13 (3-4), pp. 165-182 (2004) http://dx.doi.org/10.1080/14786470412331326350			
	2.	Research review of scrap metals eddy current separation technology, Authors: Wang, D.,Ma, X.,Zhi, X.,Zhang, S, Source: Sensors and Transducers, Vol. 158 (11), pp. 242-248 (2013)			
	3.	Research review of scrap metals eddy current separation technology, Authors: Wang, D.,Ma, X.,Zhi, X.,Zhang, S, Source: Sensors and Transducers, Vol. 162 (1), pp. 177-183 (2014)			
	4.	Waste Printed Circuit Boards recycling: an extensive assessment of current status, Authors: Ghosh, B. et. al., Source: Journal of Cleaner Production, Vol. 94, pp. 5-19 (2015) https://doi.org/10.1016/j.jclepro.2015.02.024			
	5.	Environmental-energy analysis and the importance of design and remanufacturing recycled materials, Authors: Jimenez F et. al., Source: International Journal on Interactive Design and Manufacturing, Vol. 10 (3), pp 241-249 (2016) link.springer.com/article/10.1007/s12008-016-0321-8			
	6.	Resourceful recycling process of waste desktop computers: A review study, Author: Khandakar Md Habib Al Razi, Source: Resources, Conservation and Recycling, Vol. 110, pp. 30-47 (2016) http://dx.doi.org/10.1016/j.resconrec.2016.03.017			
	7.	Recycling of plastic solid waste: A state of art review and future applications, Authors: Singh N. et. al., Source: Composites Part B: Engineering, Vol. 115, pp 409-422 (2017) http://dx.doi.org/10.1016/j.compositesb.2016.09.013			
III.	M. Lungu, P. Rem: <i>Separation of small non-ferrous particles using an inclined drum eddy-current separator with permanent magnets</i> , IEEE Transaction on Magnetics, Vol.38 (3), 1534-1538 (2002)		5	2	2.5
	1.	Eddy current separation of fine non-ferrous particles from bulk streams, Authors: Settimo, F. et.al, Source: Physical Separation in Science and Engineering, Vol. 13, No. 1, pp.15-23 (2004) http://dx.doi.org/10.1080/00207390410001710726			
	2.	Modelling of post-fragmentation waste stream processing within UK shredder facilities Authors: Coates, G. and Rahimifard, S. Source: Waste Management, Vol. 29 (1) , pp. 44-53			

		(2009) https://doi.org/10.1016/j.wasman.2008.03.006			
	3.	Research review of scrap metals eddy current separation technology, Authors: Wang, D.,Ma, X.,Zhi, X.,Zhang, S, Source: Sensors and Transducers, Vol. 158 (11), pp. 242-248 (2013)			
	4.	Research review of scrap metals eddy current separation technology, Authors: Wang, D.,Ma, X.,Zhi, X.,Zhang, S, Source: Sensors and Transducers, Vol. 162 (1), pp. 177-183 (2014)			
	5.	Design and development of a low cost technique for sorting household wastes using eddy current separation process, Authors: Merah A. et. al, Source: International Journal of Environmental Studies, Vol. 73, pp 203-213 (2016) http://dx.doi.org/10.1080/00207233.2015.1135584			
IV.		R. Meier-Staude, Z. Schlett, M. Lungu, D. Ballateanu: <i>A new possibility in Eddy-Current separation</i>, Minerals Engineering Vol. 15, pp. 287-291 (2002)	10	4	2.5
	1.	Eddy current separation of fine non-ferrous particles from bulk streams, Authors: Settimo, F. et.al, Source: Physical Separation in Science and Engineering, Vol. 13, No. 1, pp.15-23 (2004) http://dx.doi.org/10.1080/00207390410001710726			
	2.	Principle of maximum flow energy, a useful working hypothesis to approach ordering phenomena in fluids Author: Eidschink R., Source: Molecular Crystals and Liquid Crystals, Vol. 461 (1), pp. 71-81 (2006) http://dx.doi.org/10.1080/15421400600983580			
	3.	An environmental friendly recovery production line of waste toner cartridges, Authors: Ruan Jujun; Li Jia; Xu Zhenming Source: Journal of Hazardous Materials, Vol. 185 (2-3), pp. 696-702 (2011) https://doi.org/10.1016/j.jhazmat.2010.09.074			
	4.	A new model of repulsive force in eddy current separation for recovering waste toner cartridges, Authors: Ruan Jujun; Li Jia; Xu Zhenming Source: Journal of Hazardous Materials, Vol. 192 (1), pp. 307-313 (2011) https://doi.org/10.1016/j.jhazmat.2011.05.025			
	5.	Automatic Extraction of Ferromagnetic Particle from Nonhomogenous Solid-State Mixture, Authors: Ismail, M.F. et. al. Source: IIUM Engineering Journal, Special Issue, Mechanical Engineering, Vol. 12, No. 3, pp. 149-161 (2011)			
	6.	Metal Enrichment of Finely Ground Electronic Waste using Eddy Current Separation. Authors: Subrata Roy, Vidyadhar Ari, Jayanta Konar & Avimanyu Das, Source: Separation Science and Technology, Volume: 47 (12), pp. 1777-1784 (2012) doi.org/10.1080/01496395.2012.658486			
	7.	Research review of scrap metals eddy current separation technology, Authors: Wang, D.,Ma, X.,Zhi, X.,Zhang, S, Source: Sensors and Transducers, Vol. 158 (11), pp. 242-248 (2013)			
	8.	Research review of scrap metals eddy current separation technology, Authors: Wang, D.,Ma, X.,Zhi, X.,Zhang, S, Source: Sensors and Transducers, Vol. 162 (1), pp. 177-183 (2014)			
	9.	Environment-friendly technology for recovering nonferrous metals from e-waste: Eddy current separation, Authors: Ruan, J.,Qian, Y.,Xu, Z., Source: Resources, Conservation and Recycling, Vol. 87, pp. 109–116 (2014) https://doi.org/10.1016/j.resconrec.2014.03.017			
	10.	Constructing environment-friendly return road of metals from e-waste: Combination of physical separation technologies, Authors: Ruan, J.,Xu, Z., Source: Renewable and Sustainable Energy Reviews, Vol. 54, pp. 745-760 (2016) http://dx.doi.org/10.1016/j.rser.2015.10.114			
V.		Z. Schlett, M. Lungu: <i>Eddy-current separator with inclined magnetic disc</i>, Minerals Engineering, Vol. 15 (5), pp.365-367 (2002)	6	2	3
	1.	A review of electronics demanufacturing processes,Author: Williams, J.A.S. Source: Resources, Conservation and Recycling, Volume: 47 (3), pp. 195-208 (2006) https://doi.org/10.1016/j.resconrec.2005.11.003			
	2.	Metal Enrichment of Finely Ground Electronic Waste using Eddy Current Separation. Authors: Subrata Roy, Vidyadhar Ari, Jayanta Konar & Avimanyu Das, Source: Separation Science and Technology, Volume: 47 (12), pp. 1777-1784 (2012) http://dx.doi.org/10.1080/01496395.2012.658486			
	3.	Environment-friendly technology for recovering nonferrous metals from e-waste: Eddy current separation, Authors: Ruan, J.,Qian, Y.,Xu, Z., Source: Resources, Conservation and Recycling, Vol. 87, pp. 109–116 (2014) https://doi.org/10.1016/j.resconrec.2014.03.017			
	4.	Constructing environment-friendly return road of metals from e-waste: Combination of physical separation technologies, Authors: Ruan, J.,Xu, Z., Source: Renewable and Sustainable Energy Reviews, Vol. 54, pp. 745-760 (2016) http://dx.doi.org/10.1016/j.rser.2015.10.114			
	5.	The Research of Simulation on Eddy Current Separation Process Based on MATLAB and COMSOL, Authors: Fengjie Yu et. al, Source: Procedia SCIRP, Vol. 56, pp 520-523 (2016) https://doi.org/10.1016/j.procir.2016.10.102			
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Punctaj total indicator 3.1:				C = 82.75

Formula de calcul pentru indicatorul 3.1:
$$C = \sum_{i=1}^p \frac{c_i}{n_i^{ef}}$$

unde:

p – numărul total de publicații ale candidatului;

c_i – numărul de citări pentru publicația “ i ”;

n_i – numărul de autori ai publicației “ i ” citate,

n_i^{ef} – numărul efectiv de autori ai publicației “ i ” citate.

Nu se iau în considerare citările provenind din articole care au ca autor sau coautor candidatul (autocitările);

Punctaj total pentru activitatea A3: $C / 17.5 = 4.73$

Condiții:

Activități	Conferențiar universitar, cercetător științific grad II	Condiții profesor/CS I	Punctaj obținut
A1	≥ 1	≥ 2	3.6
A2	≥ 2	≥ 4	4.916
A3	≥ 1	≥ 2	4.73
	Total:		13.246

Depasire cu 65.6% a valorii minime pentru indeplinirea conditiei de profesor.

Timisoara
27.08.2017

