

MARIA VIȘA

Fișă de îndeplinire a standardelor minime pentru acordarea atestatului de abilitare aprobate prin OMCTS 6560/20 decembrie 2012

	Condiții profesor	Punctaje îndeplinite
Activitate didactică/profesională A1	40 puncte	93,88
Activitate de cercetare A2	300 puncte	781,75
Recunoașterea impactului activității A3	60 puncte	622,56
Total	400 puncte	1498,19

A1. Activitatea didactică și profesională (profesor-minim 40 puncte) TOTAL PUNCTE ÎNDEPLINITE = 93,88 PUNCTE

1.1 Carti si capitole in carti de specialitate			Punctaj îndeplinit
1.1.1 Carti/capitole ca autor (minim 1)		Nr. Pag./10xnr. autori	
1.	Vișa Maria , C. Drăghici, L. Dumitrescu, I. Nicolae, S. Pațachia, D. Perniu, <i>Tehnologiile și Protecția Mediului</i> , ISBN 978-606-5115-210-6, (2012) 202 pag.	202/10x6	3,36
2.	Ion Vișa, Anca Duță, <i>Sustainable Energy, Cap. 4.2. (Waste)Water Treatment</i> , outcome of the project 226362-CP-1-2005-1-RO-COMENIUS-C21- SEE-TOOL, Ed. Univ. Transilvania, Brașov, (2008), 202 pag.	24/10	2,4
3.	Vișa Maria , Vittorio Zanetti, Angela Pereira, Emine Eșturk, Miquel A. Sancho, <i>Clean Water an Invaluable Asset</i> , Ed. Univ. Transilvania, Brașov, ISBN:978-973-598-031-3, (2007), 202 pag.	202/10x5	4,04
4.	Vișa Maria , Vittorio Zanetti, Angela Pereira, Miquel A. Sancho, Emine Eșturk, <i>Glossary on Water Propertiees and Pollution</i> ”, Ed. Univ. Transilvania Brașov, ISBN:978-973-635-989-7 (2007), 132pag.	132/10x5	2,60
5.	Vassiliki Spiliotopoulou-Papantoniou, Aurelia Moraru, Vișa Maria , <i>Integration of Software into Chemistry Courses (Learning and Teaching Chemistry in Secondary Schools in The Society of Information)</i> , Ed. Univ. Transilvania Brașov, ISBN: 973-635-047-9, (2002), 70pag.	70/10x3	2,33
Total			14,73

1.2 Material didactic/lucrari didactice			
1.2.1 Materiale didactice/monografii (minim 1)	VIȘA Maria , Suport de curs, <i>Procese de Tratare a Apei</i> pentru studenții de la specializarea Ingineria și Protecția mediului, 2013-2014, disponibil pe Platforma e-Learning: Cursurile mele, Universității Transilvania din Brașov, 305 pag.	330/20	15
	VIȘA Maria , Suport de curs, <i>Materiale Speciale – Materiale Reciclabile</i> pentru studenții de la specializarea Ingineria și Valorificarea Deșeurilor, 2013-2014, disponibil pe Platforma e-Learning: Cursurile mele , Universității Transilvania din Brașov, 212 pag.	212/20	10,6
	VIȘA Maria , Suport de curs, <i>Chimie Generală</i> pentru studenții de la specializarea Optometrie, Inginerie Medicală, Mecatronică, 2013-2014, disponibil pe Platforma e-Learning: Cursurile mele , Universității Transilvania din Brașov, 236pag.	234/20	11,7
	VIȘA Maria , Suport de curs, <i>Chimie Organică</i> pentru studenții facultății de Alimentație și Turism, 2013-2014, disponibil pe Platforma e-Learning: Cursurile mele, Universității Transilvania din Brașov, 149 pag.	149/20	7,45
1.2.2 Indrumatoare de laborator/aplicatii (minim 1)	Maria VIȘA , <i>Procese de Tratare a Apei- Îndrumar de Laborator</i> , ISBN, Editura Universitatea Transilvania, Brașov, 978-606-19-0353-5, (2014), 235 pag.	Nr. 235/25	9,4
		Total	54,15
1.3 Coordonare de programe de studii, organizare si coordonare programe de formare continua si proiecte educationale			
	POSDRU/57/1.3/S/ 32629 - Formarea profesionala a cadrelor didactice din învățământul preuniversitar pentru noi oportunități de dezvoltare în carieră (Coordonator implementare program de formare- Chimie), și tutore pe disciplinele predate. Tutore: anul III- Ingineria Valorificării Deșeurilor	Director - 15; Responsabil-10; Membru - 5	10 5 10
		Total	25
Total criteriul A1=93,88 puncte			

A2. Activitate de cercetare (profesor-minim 300 puncte) TOTAL PUNCTE INDEPLINITE = 781,75 Puncte

Criteriul 2.1 Articole in reviste cotate ISI Thomson Reuters si in volume indexate ISI proceedings (Minim 15 articole pentru Profesor / CSI din care min. 10 in Reviste cotate ISI Th.R., din care min. 5 cu FI de min. 0,5 si min. 5 ca autor principal indiferent de FI)

Nr. ctr.	Articole in reviste ISI Thomson Reuters Reviste: (25 + 20 x FI) / nr. autori; Volume: 20 / nr. Autori [max. 3 articole / manifestare]	FI	Număr de autori	Prim autor	Punctaj
1.	Vișa Maria , Andreea-Maria Chelaru, Hydrothermally Modified Fly Ash for Heavy Metals and Dyes Removal in Advanced Wastewater Treatment, <i>Journal Applied Surface Science</i> , vol. 303, (2014), 14-22	2,112	2	da	33,62
2.	Vișa, Maria , Anca Duță, TiO ₂ /fly ash novel substrate for simultaenous removal of heavy metals and surfactants, <i>Chemical Engineering Journal</i> , vol.223, (2013), 860-868.	3.473	2	da	47,23
3.	Vișa Maria , Duta Anca, Methyl-orange and cadmium simultaneous removal using fly ash and photo-Fenton systems, <i>Journal of Hazardous Materials</i> , vol. 244, (2013), 773-779	3.925	2	da	51,75
4.	Vișa Maria , Tailoring fly ash activated with bentonite as adsorbent for complex wastewater treatment, <i>Journal Applied Surface Science</i> , vol. 263 (2012), 753-762 .	2,112	1	da	67,24
5.	Visa Maria , Luminita Isac, Anca Duță, Fly ash adsorbents for multi-cation wastewater treatment, <i>Journal Applied Surface Science</i> , vol. 258, (2012), 6345-6352.	2,112	3	da	22,41
6.	Visa, Maria Florina Pricop, Anca Duță, Sustainable Treatment of Wastewaters Resulted in the Textile Finishing Industry, <i>Journal Clean Technologies and Environmental Policy</i> , vol.13 (2011), 855-861.	1,753	3	da	20,02
7.	Vișa, Maria Luminița Andronic, Dora Lucaci, Anca Duță, Concurrent Dyes Adsorption and Photo-degradation on Fly Ash Based Substrates, <i>Adsorption Journal of the international adsorption Society</i> , vol. 17, (2011), 101-108.	2.00	4	da	16,25
8.	Andronic L., Andrasi D., Enesca A., Visa Maria ., Duta A., The influence of titanium dioxide phase composition on dyes photocatalysis, <i>Journal of Sol-Gel Science and Technology</i> , vol. 58, (2011), 201-208.	1.632	5	nu	11,53

Nr. ctr.	Articole in reviste ISI Thomson Reuters Reviste: (25 + 20 x FI) / nr. autori; Volume: 20 / nr. Autori [max. 3 articole / manifestare]	FI	Număr de autori	Prim autor	Punctaj
9.	Vișa Maria , Nacu Mihaela, Comparative heavy metals and dyes removal efficiency on fly ash and wood ash, <i>Environmental Engineering and Management Journal</i> , vol. 10 (9) (2011) 1407-1414.	1,004	2	da	22,54
10.	Lucaci Dora, Vișa Maria , Duță Anca, Wood waste for Cu ²⁺ removal from wastewater a comparative study, Conference: International Conference on Analytical and Nanoanalytical Methods for Biomedical and Environmental Sciences (IC-ANMBES) Brasov, Romania 2010 <i>Environmental Engineering and Management Journal</i> , vol. 10 (2) (2011) 169-174.	1,004	3	nu	15,03
11.	Lucaci Dora, Vișa Maria , Duță Anca, Cooper removal on wood - fly ash substrates - thermodynamic study, <i>Revue Roumane de Chime</i> , vol. 56, (2011), 1067-1074	0.331	3	nu	10,54
12.	Coșniță Mihaela, Cazan Cristina, Vișa Maria , Duță Anca, Product development using composites from recycled wood plastics and rubber, 1st International Conference on Quality and Innovation in Engineering and Management (QIEM), Cluj Napoca, ROMANIA, 2011, <i>Quality and Innovation in Engineering and Management</i> , (2011), 253-256	0,00	4	nu	6,25
13.	Vișa Maria , Bogatu Cristina; Duță Anca, Simultaneous adsorption of dyes and heavy metals from multicomponent solutions using fly ash, <i>Applied Surface Science Journal</i> , vol. 256, (2010) 17, 5486-5491	1,795	3	da	20,3
14.	Vișa Maria , Duță Anca, Adsorption Behavior of cadmium and copper compounds on a mixture fly ash:TiO ₂ , <i>Revue Roumane de Chime</i> , vol. 55, (2010), 167-173.	0,289	2	da	15,39
15.	Vișa Maria , Duță Anca, Tungsten oxide and fly ash mixtures for single wastewater treatment process, <i>Journal of Optoelectronics and Advanced Materials</i> , vol. 12 (2010), 2, 406-410	0,436	2	da	16,86
16.	Vișa Maria , Carcel, R.A., Andronic, L., Duță, A., Advanced treatment of wastewater with methyl orange and heavy metals on TiO ₂ , fly ash and their mixtures, <i>Catalysis Today</i> , vol. 144 (1-2) (2009) 137-142	3,526	4	da	23,88
17.	Vișa Maria , Andronic Luminița, Duță Anca, Photocatalytic properties of titania - fly ash thin films, <i>Environmental Engineering and Management Journal</i> , vol. 8(4) (2009) 633-638.	0,885	3	da	1,23

Nr. ctr.	Articole in reviste ISI Thomson Reuters Reviste: (25 + 20 x FI) / nr. autori; Volume: 20 / nr. Autori [max. 3 articole / manifestare]	FI	Număr de autori	Prim autor	Punctaj
18.	Andronic Luminița, Hristache Bianca, EnescaAlexandru, Vișa Maria , Duță Anca, Studies on titanium oxide catalyst doped with heavy metals (cadmium, copper and nickel), <i>Environmental Engineering and Management Journal</i> , vol. 8 (4) (2009) 747-751.	0,885	5	nu	8,54
19.	Vișa Maria , Duță Anca, Enhanced heavy metals adsorption on dye – modified fly ash, <i>Environmental Engineering and Management Journal</i> , vol. 8 (4) (2009) 803-808	0,885	2	da	21,35
20.	Vișa Maria , Isac Luminița, Duță Anca, Fly ash – activated carbon powder composites for dyes and heavy metals removal, 2nd International Conference on Multi-Functional Materials and Structures, Qingdao, 2009, <i>Multi-Functionnal Materials and Structures II, PTS 1 and 2 book series: Advanced Materials Research</i> , vol.79-82, (2009), 243-246.	0,00	3	da	8,33
21.	Vișa Maria , Enesca Alexandru, Duță Anca, Simultaneous adsorption of Methyl Orange and heavy metals from solution using fly-ash, 2nd International Conference on Multi-Functional Materials and Structures, Qingdao, 2009, <i>Multi-Functionnal Materials and Structures II, PTS 1 and 2 book series:Advanced Materials Research</i> , vol.79-82, (2009), 247-250.	0,00	3	da	8,33
22.	Vișa Maria , Duță Anca, Advanced Cd ²⁺ removal on dispersed TiO ₂ –fly ash, <i>Environmental Engineering and Management Journal</i> , vol. 7 (4) (2008), 373-378.	0,00	2	da	12,5
23.	Vladuță Cristina, Andronic Luminiță, Vișa Maria , Duță Anca, Ceramic interface properties evaluation based on contact angle measurement, <i>Surface & Coatings Technology Journal</i> , vol. 202 (2008), 2448	1.86	4	nu	15,55
24.	Duță Anca, Vișa Maria , Manolache Simona Anca, Nacu Marius, <i>Anatase (TiO₂) thin layers for solar energy conversion</i> , Proceedings of the 11th International Conference On Optimization of Electrical and Electronic Equipment, vol. li A and B (2008), 461-466.	0,00	4	nu	6,25
TOTAL CRITERIUL 2.1					482,92

2.2 Articole in reviste si volumele unor manifestari stiintifice indexate in alte baze de date internationale (minim 5 pentru profesor)

NR. CRT.	ARTICOLE INDEXATE IN BAZA DE DATE SCOPUS	NR. AUTORI	PUNCTAJ
1.	Vișa Maria , <i>Heavy metals removal on dye – modified fly ash substrates</i> , World of Coal Ash Conference, (2011)-Denver, CO, USA http://www.flyash.info/	1	10
2.	Vișa Maria , Mihaela Nacu, Carcel Radu Adrian, <i>Fly ash substrates for complex wastewater treatment</i> , World of Coal Ash Conference (2011)-Denver, CO, USA .http://www.flyash.info/	3	3,33
3.	Vișa Maria , Duță Anca, <i>Cadmium and nickel removal from waste water using modified fly ash: thermodynamic and kinetic study</i> , Scientific Study & Research, Vol. IX (1), pag. 73-82 (2008), ISSN 1582-540X	2	5
4.	Duță Anca,Vișa Ion, Jaliu Codruța, Vișa Maria and Perniu Dana, <i>Promoting Renewable Energy Systems At High-School Level</i> , EUROSUN, Conference Proceedings (2008), Lisabona, Portugalia, (CD Based) 134-1, pag. 715-720.	5	2
5.	Vișa Ion, Perniu Dana, Jaliu Codruța, Vișa Maria , Duta Anca, <i>European Training In-Service Tool On Sustainable Energy</i> , European, Conference on Photovoltaics, 23 EUPVSEC Proceedings (2008), Valencia Spania (CD based)	5	2
6.	Vișa Maria , Duță Anca, <i>Adsorption mechanisms of heavy metals on fly ash with modified surface charge</i> , AIChE Anual meeting, Salt Lake City – Utah, USA, Conference Proceedings (2007),Indexat in baza de date - Scopus	2	5
7.	Vișa Maria , Duță Anca, <i>Fly ash - a waste used for reducing environmental pollution</i> , The 31st Annual Congress of the American Romanian Academy of Arts and Sciences, Pro-Active Partnership in Creativity for the Next Generation, (2007), Presses Internationales Polytechnique, ISBN: 978-2-553- 01412-3,698-701.	2	5
8.	Vișa Maria, Duță Anca , <i>A comparative study of Cd²⁺ removal using different types of fly ashes</i> , International Conference on Materials Science and Engineering Brașov, Romania, BRAMAT, Bulletin of the Transilvania University of Brasov, format CD, (2007.)	2	5

9.	Vișa Maria , <i>Developing Comenius Projects at High School Level a Way of Educating on a Sustainable Development</i> , Prasic'06, Brașov , vol. III, <i>Desing de produs</i> , ISBN (10) 973-635-826-7; (13) 978- 973-635-826-5, (2006), 263-266.	1	10
10.	Vișa Maria , Duță Anca, <i>Waste water treatment for cadmium removal by using flying ashes</i> , Conference on Sustainable Energy, CSE'05, Brașov, Romania, (2005) Proceedings , ISBN: 973-635 539-X, format CD.	2	5
11.	Vișa Maria , <i>Expanding education on sustainable development at high school level via Comenius projects</i> , Conference on Sustainable Energy, CSE'05, Brașov, Romania (2005), Proceedings , ISBN: 973-635 539-X, format CD.	1	10
12.	Perniu Dana, Duță Anca, Vișa Ion, Vișa Maria , <i>Training line for sustainable development in the Transilvania University of Brașov, Romania, ecological chemistry, latest advances, book of proceedings</i> , Third International Conference, Chișinau, Modova, (2005) . ISBN: 9975-62-	4	2,5
TOTAL CRITERIUL 2.2			64,83

2.3 Brevete de invenție

Propunere de brevet: „Instalație pentru determinarea simultană a parametrilor proceselor de fotodegradare și de adsorbție pe straturi subțiri”
 Inventors: CÂRCEL Radu Adrian; DUȚĂ Anca; VIȘA Ion; **VIȘA Maria**; ANDRONIC Luminița Camelia, *CBI A/01061/25.11.11* (BI RO 127888 A0).

2.4 Granturi/proiecte castigate prin competitie

2.4.1 Director/Responsabil -minim3 pentru profesor/CSI dintre care cel puțin unul ca director internaționale/naționale

Nr. Crt.	Proiect internațional	Poziție	Perioada	Nr. Ani	Punctaj
1.	Socrates/Comenius 226362-CP-1-2005-1-RO-COMENIUS-C21 SEE-EU TOOL Sustainable energy for high school, Education-An European Training Tool	Responsabil proiect	2005 -2008	3	20x3=60
2.	Socrates/Comenius 1. 04.PS-263-BV-RO; 05-PS-606-BV-RO; 06-PS-R3-748-BV-RO, <i>Water: Asset In The Sustainable Development Of A Joint Europe - Water:Asset</i> ; Coordonator: Colegiul de Științe ale Naturii “Emil Racoviță”	Director de grant	2004-2007	3	20x3=60

3.	Socrates/Comenius 87160-CP-1-2000-1-RO-COMENIUS-C3.1 <i>Quality Improvement Of The Chemistry Instruction Using Information And Communication Technologies - CHEMINC</i>	Responsabil proiect	2000 -2003	3	20x3=60
TOTAL					180

2.4.2. Naționale

Nr. Crt.	Proiect național	Poziție	Perioada	Nr. Ani	Punctaj
1.	PN-II-RU-TE- 2012-3-0177 Noi adsorbanti de tip zeolitic obtinuti din cenușa de termocentrală colectată de la electro-termocentrale din România, Numarul de contract: 2/22.04.2013.	Director	2013-2016	3	10x3=30
2.	PN-II-Parteneriate, 72-184/2008 , Noi concepte tehnologice privind dezvoltarea unor nanomateriale cu impact scăzut asupra mediului-TECNANOECO. Coordonator Institutul Național C-D pentru Metale Neferoase și Rare- București	Responsabil Colectiv Materiale Adsorbante utilizate în epurări avansate a apelor reziduale	2008 -2011	3	2x3=6
3.	PN II Idei nr. 71-047/2007 Foto-Complex: Complex Photo-catalytic systems for advanced waste water from textile finishing	Responsabil Colectiv Materiale Adsorbante	2007-2010	3	2x3=6
4.	CNCSIS A400 Increasing the conversion efficiency of the solid state solar cells, (<i>Cercetări privind creșterea eficienței conversiei energiei solare în celule fotovoltaice în stare solidă</i>)	membru	2006-2008	3	6
5.	CNCSIS 79/2006 - Product design for sustainable development.	membru	2006- 2008	3	6
TOTAL					54

Total criteriul 2.4 = 234 puncte

Punctaj total criteriul A2: 781,75 puncte

A3 RECUNOAȘTEREA ȘI IMPACTUL ACTIVITĂȚII (minim 60 puncte) TOTAL PUNCTE INDEPLINITE = 529,38 PUNCTE

3.1 Citări în reviste ISI și BDI

1. Vișa Maria, Bogatu Cristina, Duta Anca., Simultaneous adsorption of dyes and heavy metals from multicomponent solutions using fly ash, J. Applied Surface Science 256, (2010), 17, 5486-5491, (24 citari in reviste ISI,)

Nr, Crt,	Articolul care citează	FI	Punctaj
1.	Ling C. Liu, F.Q., Long, C., Chen T.-P., Li,A.-M., <i>Synergic removal and sequential recovery of acid black 1 and copper (II) with hyper-crosslinked resin and inside mechanisms</i> , Chemical Engineering Journal, vol. 236, (2014) 323 -331	3,473	6,67
2.	Dastbaz, Abolfazi, Keshtkar, Ali Reza, <i>Adsorption of Th⁴⁺, U⁶⁺, Cd²⁺, and Ni²⁺ from aqueous solution by a novel modified polyacrylonitrile composite nanofiber adsorbent prepared by electrospinning</i> , Applied Surface Science, J. vol. 293 (2014), 336-344	2.112	6,67
3.	Yagub, Mustafa , Sen Tushar Kanti, Ang, M., <i>Removal of cationic dye methylene blue (MB) from aqueous solution by ground raw and base modified pine cone powder</i> , Environmental Earth Sciences, vol. 71, (4) (2014), 1507 -1519	2,145	6,67
4.	Kim, Han Joo; Pant, Hem Raj, Kim, Jun Hee, et al. <i>Fabrication of multifunctional TiO₂/fly ash/polyurethane nanocomposite membrane via electrospinning</i> , Ceramics International, vol. 40 (2014), 3023-3029.	1.789	5,00
5.	Hajati, Shaaker, Ghaedi, Mehroang; Karimi, Farahnaz; et al., <i>Competitive adsorption of Direct Yellow 12 and Reactive Orange 12 on ZnS:Mn nanoparticles loaded on activated carbon as novel adsorbent</i> , Journal of Industrial and Engineering Chemistry, vol.20, (564-571).	2,206	6,67
6..	Guo, Xiaoyao; Wei, Qin; Du, Bin; et al., <i>Removal of Metanil Yellow from water environment by amino functionalized graphenes (NH₂-G) - Influence of surface chemistry of NH₂-G</i> , Applied Surface Science, vol.284, (2013) 862-869	2,112	6,67

7.	Kyzas, George Z.; Lazaridis, Nikolaos K.; Kostoglou, Margaritis, <i>On the simultaneous adsorption of a reactive dye and hexavalent chromium from aqueous solutions onto grafted chitosan</i> , J. of Colloid and Interface Science, vol. 407, (2013), 432-441	3,172	6,67
8.	Dong, Ke; Qiu, Fengxian; Guo, Xiaorui; et al., <i>Polyurethane-attapulgite porous material: Preparation, characterization, and application for dye adsorption</i> , J. of Applied Polymer Science, vol. 129, 4 (2013), 1697-1706	1,395	5,00
9.	Deng, Jiu-Hua; Zhang, Xiu-Rong; Zeng, Guang-Ming; et al, <i>Simultaneous removal of Cd(II) and ionic dyes from aqueous solution using magnetic graphene oxide nanocomposite as an adsorbent</i> , Chemical Engineering Journal, vol. 226, (2013), 189-200	3,473	6,67
10.	Sanghi, Rashmi; Verma, Preeti;, <i>Decolorisation of aqueous dye solutions by low-cost adsorbents: a review</i> , Coloration Technology, vol. 129, (2013), 2, 85 – 108	0.899	3,33
11.	Aguayo-Villarreal, I. A, I.A., Hernandez – montoya, V., Bonilla-Petriciolet, A., et al., <i>Role of acid blue 25 dye as active site for the adsorption of Cd²⁺ and Zn²⁺ using activated carbons</i> , Dyes and Pigments, vol. 96, (2013), 2, 459 – 466.	3,126	6,67
12.	Yagub, Mustafa T., Sen, Tushar Kanti, Ang, H.M., <i>Equilibrium, Kinetics, and Termodinamics of Methlene Blue Adsorption bz Pine Tree Leaves</i> , Water Air and Soil Pollution, vol.223, 8, (2012), 5267-5282	1,748	5
13..	Liu, Cheng-Chung; Chen, Yue-Ming; Wang, Ming-Kuang; et al., <i>Adsorption of Cu(II) from Aqueous Solution by Wine Processing Waste Sludge</i> , Water Environment Research , vol. 84, (2012), 9, 733 – 743.	0,89	3,33
14.	Huang, , Jiquan; Cao, Yongge; Liu, Zhuguang; et al;, <i>Application of titanate nanoflowers for dye removal: A comparative study with titanate nanotubes and nanowires</i> , Chemical Engineering Journal, vol. 191, (2012) 38 – 44.	3,461	6,67
15.	Tovar-Gomez R., Rivera-Ramirez, D. A.; Hernandez-Montoya, V.; et al., <i>Synergic adsorption in the simultaneous removal of acid blue 25 and heavy metals from water using a Ca₃(PO₃) (2)-modified carbon</i> , Journal of Hazardous Materials, vol. 199, (2012) 290-300.	4,173	6,67

16.	Zhao, Qing-Liang; Zhong, Hui-Yuan; Liu, Jin-Li; et al., <i>Integrated coagulation-trickling filter-ultrafiltration processes for domestic wastewater treatment and reclamation</i> , Water Science and Technology, vol. 65, (2012) 9, 1599-1605	1,102	5
17.	Shawabkeh, Reyad; Khan, Muhammad J.; Al-Juhani, Abdulhadi A.; et al., <i>Enhancement of surface properties of oil fly ash by chemical treatment</i> , Applied Surface Science J., vol. 258, (2011), 5, 1643- 1650	2,103	6,67
18.	Lucaci, Dora; Duță Anca, <i>Removal of Methyl Orange and Methylene Blue Dyes from Wastewater Using Sawdust and Sawdust-Fly Ash as Sorbents</i> , Environmental Engineering and Management Journal, vol. 10, (2011), 9, 1255 – 1262.	1,004	5
19.	Chirila, Elisabeta; Dobrinas, Simona; Paunescu, Elena; et al., <i>Determination of Aromatic Volatile Compounds In Petrochemical Wastewater</i> , Environmental Engineering and Management Journal, vol. 10, (2011), 8, 1081 – 1085.	1,004	5
20.	Al Othman, Zeid A. Ali Hashem, Mohamed A. Habila, <i>Kinetic, Equilibrium and Thermodynamic Studies of Cadmium (II) Adsorption by Modified Agricultural Wastes</i> , Molecules, vol. 16 (2011), 12, 10443-10456.	2,386	6,67
21.	Shawabkeh, Khan, MJ, Al; Juhani, AA.; Wahhab, HIA ; Hussein, IA., <i>Enhancement of surface properties of oil fly ash by chemical treatment</i> , Applied Surface Science J., vol. 258, (2011), 5, 1643-1650 .	2,103	6,67
22.	Andronic Luminita; Isac Luminita; Duta Anca, <i>Photochemical synthesis of copper sulphide/titanium oxide photocatalyst</i> , Journal of Photochemistry and Photobiology A-Chemistry, vol. 221, (2011),1, 30-37.	2,421	6,67
23.	Sen Tushar Kanti; Afroze Sharmeen; Ang H. M., <i>Equilibrium, Kinetics and Mechanism of Removal of Methylene Blue from Aqueous Solution by Adsorption onto Pine Cone Biomass of Pinus radiata</i> , Water Air And Soil Pollution , vol. 21, (2011), 1-4, 499-515.	1,625	5
24.	Boparai Hardiljeet K.; Joseph Meera; O'Carroll Denis M., <i>Kinetics and thermodynamics of cadmium ion removal by adsorption onto nano zerovalent iron particles</i> , Journal of Hazardous Materials, vol. 186, (2011), 1, 458-465.	4,173	6,67
		TOTAL	141.71

2. Vișa Maria, Carcel Radu A., Andronic Luminita, Duta Anca, Advanced treatment of wastewater with methyl orange and heavy metals on TiO₂, fly ash and their mixtures, Catalysis Today, 144 (1-2) (2009) 137-142. (10 citări în reviste ISI)

Revista	Nr. crt.	Articolul care citează	FI	Punctaj
ISI	1	Okte, A. N.; Karamanis, D., <i>A novel photoresponsive ZnO-flyash nanocomposite for environmental and energy applications</i> , Applied Catalysis B-Environmental, vol. 142 (2013), 538-552	5,825	5
ISI	2	Malarvizhi, T. S.; Santhi, T, <i>Lignite fired fly ash modified by chemical treatment for adsorption of zinc from aqueous solution</i> , Research on Chemical Intermediates, vol. 39, 6,(2013), 2473-2494	0.88	2,5
	3	Szkandera, Roman; Docekalova, Hana; Kadlecova, Milada; et al., <i>A Sorption Gel with Titanium Dioxide for Mercury Determination by the Technique of Diffusion Gradient in Thin Film</i> , Chemicke Listy, vol. 107, 2, (2013), 160-164	0.453	1,25
	4.	Vu D., Li Z., Zhang H., Wang W., Wang Z., Xu X., Dong B., Wang C., <i>Adsorption of Cu(II) from Aqueous Solution by Anatase Mesoporous TiO₂ Nanofibers Prepared Via Electrospinning</i> , Journal of Colloid and Interface Science, vol. 367(1) (2012) 429-435	3.07	5
	5.	Andronic L. Duță A., <i>The influence of precursor's composition and concentration on cadmium doped TiO₂ film</i> , Central European Journal of Chemistry, vol. 10,(2012), 1, 85 -90.	1.073	3,75
	6.	Lucaci Dora, Duta Anca, <i>Removal of methyl orange and methylene blue dyes from wastewater using sawdust and sawdust-fly ash as sorbents</i> , Environmental Engineering And Management Journal, vol. 10 (2011) 1255-1262.	1.004	3,75
	7.	Lucaci Dora, Duta Anca, <i>Adsorption of Methyl Orange From Wastewater Using Sawdust and Sawdust-Fly Ash Substrates</i> , Revista de Chimie, vol. 62(7) (2011) 741-745	0.599	2,5
	8.	Wang Ding; Jian Li; Cheng Lin; et al, <i>Preparation and Characterization of Modified Kaolins and Their Photocatalytic Property</i> , Spectroscopy and Spectral Analysis, vol. 32, (2012), 8, 2209 – 2213.	0,84	2,5

	9.	Singh, Sarika; Barick, K. C.; Bahadur, D, <i>Functional oxide nanomaterials and nanocomposites for the removal of heavy metals and dyes</i> , Nanomaterials and Nanotechnology, vol.3, (2013, nov)	1,547	3,75
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	2.	Zhao, Yan; Zhang, Xiaoxia; Zhao, Xiaoguang; et al, <i>Preparation and characterization of V-TiO₂/fly-ash cenospheres and its photocatalytic properties</i> , Optoelectronics and Advanced Materials-Rapid Communications, vol. 7, 1-2, (2013), 129-132	0,402	1,25
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	4.	Andronic, Luminita; Perniu, Dana; Duta, Anca, <i>Synergistic effect between TiO₂ sol-gel and Degussa P25 in dye photodegradation</i> , Journal of Sol-Gel Science and Technology, vol. 66, 3, (2013), 472-480	1.632	3,75
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Revista	Nr. Crt.	Articolul care citează	FI	Punctaj
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<p>9. Visa, Maria, Isac, Luminita ; Duta, Anca, Fly Ash - Activated Carbon Powder Composites for Dyes and Heavy Metals Removal Book Editor(s): Yin, YS ; Wang, X , Conference: 2nd International Conference on Multi-Functional Materials and Structures Location: Qingdao, PEOPLES R CHINA Date: OCT 09-12, 2009,Qingdao, Mat & Chem Engn Branch Source: MULTI-FUNCTIONAL MATERIALS AND STRUCTURES II, PTS 1 AND 2 Book Series: Advanced Materials Research, vol. 79-82, (2009) 243-246 (1 citari in reviste ISI)</p>				
ISI	1	Malarvizhi, T. S.; Santhi, T., <i>Lignite fired fly ash modified by chemical treatment for adsorption of zinc from aqueous solution</i> , Research on Chemical Intermediates , vol. 39, (6) (2013), 2473-2494	0.880	3,33
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<p>10. Andronic Luminita, Hristache Bianca, Enesca Alexandru, Visa Maria, Duta Anca, <i>Studies on titanium oxide catalyst doped with heavy metals (cadmium, copper and nickel)</i>, Environmental Engineering and Management Journal, vol. 8(4) (2009) 747-751 (7 citari in reviste ISI)</p>				
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	6.	Suciu, Ramona -Crina; Rosu, Marcela Corina; Silipas, Teofil Danut; et al., <i>Fe₂O₃ – TiO₂ Thin Films Prepared by Sol-Gel Method</i> , Intern. Conference on Analytical and Nanoanalytical Methods for Biomedical and Environmental Sciences (IC-ANMBES), Romania, 2010 Environmental Engineering And Management Journal, vol.10, (2) (2011) 187-192	1.004	3
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13. Visa Maria , Enesca, Alexandru, Duta Anca, <i>Simultaneous Adsorption of Methyl Orange and Heavy Metals from Solution Using Fly Ash</i> 2nd International Conference on Multi-Functional Materials and Structures Location: Qingdao, PEOPLES R CHINA Date: OCT 09-12, 2009 MULTI-FUNCTIONAL MATERIALS AND STRUCTURES II, PTS 1 and 2 Book Series: Advanced Materials Research, vol. 79-82, (2009) 247-250, (1 citari in reviste ISI)				
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				5
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5.	Cazan ,C., Perniu, D., Cosnita, M., <i>Polymeric wastes from automotive as second raw materials for large scale products</i> , Environmental Engineering and Management J., vol. 12 (2013), 1649-1655	1.117	5
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		TOTAL	48,35

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ISI	1.	Singh, Sarika, Barick, K. C., Bahadur, D., <i>Functional Oxide Nanomaterials and Nanocomposites for the Removal of Heavy Metals and Dyes</i> , J. Nanomaterials and Nanotechnology, vol.3(2013),	2,547	10
			TOTAL	10
			TOTAL CRITERIUL 3.1.	518,56

Criteriul 3.3 Membru in colectivele de redactie sau comitete stiintifice al revistelor si manifestarilor stiintifice, organizator de manifestari stiintifice / Recenzor pentru reviste si manifestari stiintifice nationale si internationale indexate ISI

Membru in colectivul editorial la:

2012 – prezent, membru în comitetului editorial: *Journal of Membrane and Separation Technology*: **8puncte**
 - *Bioprocessing Technology, Herbert Publications*: **8puncte**
 - Sesion Chairman -Conference Multi-Functional Materials and Structures MFMS/section, 9-12 October 2009, Qingdao China
 2007 – prezent, Vice – presedinta a Societatii Romane de Chimie, Filiala Brasov, **3puncte**
 2011 – prezent, membru al American Nano Society, **5 puncte**
 Profil public: <http://members.nanosociety.us/mariavisa>

3.3.1 Recenzor reviste ISI: Journal of Hazardous Materials, Chemical Engineering Journal, Materials Science and Engineering B, Applied Surface Science, Materials Chemistry and Physics, Central European Journal of Chemistry, Desalination, Journal of Catalysis, Applied Catalysis B: Environmental, Environmental Technology, Environmental Engineering and Management Journal, Materials Science, Molecules, Chemosphere, Ultrasonics, Powder Technology,

Punctaj 16 reviste x 5 puncte=80 puncte

TOTAL CRITERIUL 3.3

104,00

Criteriul 3.4. Experienta de management, analiza si evaluare in cercetare si/sau invatamant

3.4.1. Conducere: - Director al Colegiului de Stiinte ale Naturii "Emil Racovita" Brasov:

4x5=20puncte

TOTAL CRITERIUL A3 = 489,30 PUNCTE

	Condiții profesor	Punctaje indeplinite
Activitate didactică/profesională A1	40 puncte	93,88
Activitate de cercetare A2	300 puncte	781,75
Recunoașterea impactului activității A3	60 puncte	622,56
Total	400 puncte	1498,19

06. iunie. 2014

Prof. univ.dr. Maria VISA

