

FIŞA DE VERIFICARE A ÎNDEPLINIRII STANDARDELOR UNIVERSITĂŢII
Conferentiar universitar poziția 36

publicat în Monitorul Oficial al României nr. 662 din data de 24.11.2014

Candidat: **CAZAN CRISTINA** Data naşterii **08.10.2014**
Funcția actuală **sef lucrari**, Instituția **Universitatea Transilvania din Brasov**

1. Studii universitare (licență și masterat)

Nr. crt.	Instituția de învățământ superior și facultatea	Domeniul	Perioada	Titlul acordat
1	Universitatea Transilvania din Braşov, Facultatea de Ştiințe	fizică-chimie	1993-1997	licentiat
2	Universitatea Transilvania din Braşov, Applied Chemistry in Environment and Industry	mediu	2006 – 2008	master

2. Studii de doctorat

Nr. crt.	Instituția organizatoare de doctorat	Domeniul	Perioada	Titlul științific acordat
1	Universitatea Transilvania din Braşov	stiinta materialelor	2004-2010	doctor

3. Studii și burse postdoctorale (stagii de cel puțin 6 luni)

Nr. crt.	Instituția	Domeniul/ Specializarea	Perioada	Tipul de bursă
1	Universitatea Transilvania din Braşov	stiinta materialelor	2014-prezent	POSTDRU

4. Realizările profesional-științifice

Calitatea activităților didactice/ profesionale	Din Fişa de evaluare și din Propunerea de dezvoltare a carierei universitare
Lucrări publicate în reviste de specialitate recunoscute național internațional	<ol style="list-style-type: none"> Cosnita, M., Cazan, C., Duta, A., Interfaces and mechanical properties of recycled rubber-polyethylene terephthalate-wood composites, Journal of Composite Materials, 48 (6), (2013) 683-694. Cazan, C., Perniu, D., Cosnita, M., Duta, A., Polymeric wastes from automobiles as second raw materials for large scale products, Environmental Engineering and Management Journal 12 (2013) 1649-1655 Andronic, L., Enesca, A., Cazan, C., Visa, M., TiO₂-active carbon composites for wastewater photocatalysis, Journal of Sol-Gel Science and Technology, 71 (2014) 396 - 405 Gyorgy, E., Angel Perez del Pino, A., Logofatu, C., Cazan, C., Duta, A., Simultaneous Laser-Induced Reduction and Nitrogen Doping of Graphene Oxide in Titanium Oxide/Graphene Oxide Composites, J. Am. Ceram. Soc., 1-7 (2014) DOI: 10.1111/jace.13013 Cosnita, M., Cazan, C., Duta, A., Product development using composite from recycled wood, plastics and rubber, 1st first Conference on Quality and innovation and engineering and management (QIEM), QIEM Proceedings (2011), 253-256.

	<ol style="list-style-type: none"> 6. Vladuta, C., Andronic, L., Duta, A., Effect of TiO₂ nanoparticles on the interfaces PET-rubber composites, Journal of Nanoscience and Nanotechnology 10 (2010) 2518–2526 7. Ienei, E., Isac, L., Cazan, C., Duta, A., Characterization of Al/Al₂O₃/NiOx solar absorber obtained by spray pyrolysis, Solid State Sciences 12 (2010) 1894-1897 8. Vladuta, C., Voinea, M., Purghele, E., Duta, A., Correlations between the structure and the morphology of PET- rubber nanocomposites with different additives, Materials Science and Engineering B, 165-3 (2009) 221-226. 9. Andronic, L. Enesca, A., Vladuta, C., Duta, A., Photocatalytic activity of cadmium doped TiO₂ films for photocatalytic degradation of dyes, Chemical Engineering Journal 152 (2009) 64-71 10. Vladuta, C., Andronic, L., Visa, M., Duta, A., Ceramic interface properties evaluation based on contact angle measurement, Surface & Coatings Technology 202 (2008) 2448–2452 11. Voinea, M., Vladuta, C., Bogatu, C., Duta, A., Surface properties of copper based cermet materials, Materials Science and Engineering: B 152 (2008) 76-80. 12. I. Manciulea, C. Bogatu, C. Cazan, L. Dumitrescu, A. Duță, Investigation of some Mannich bases corrosion inhibitors for carbon steel, International Scientific Conference Corrosion 2014, 18-21 noiembrie 2014, Gliwice, Poland, publicat in Solid State Phenomena, in press.. 13. C. Bogatu, C. Cazan, I. Manciulea, A. Duță, Corrosion resistance in saline environment of colored based alumina spectrally selective surfaces, International Scientific Conference Corrosion 2014, 18-21 noiembrie 2014, Gliwice, Poland, publicat in Solid State Phenomena, in press. 14. Duta, A., Cazan, C., Cosnita, M., Fly ash in optimized composites based on rubber, recycled plastics, World of coal ash(WOCA) Conferences 9-10 may, 2011, Denver, USA. 15. Duta, A., Cazan, C., Accelerated aging test of composites based on rubber, recycled plastics and fly ash, World of coal ash(WOCA) Conferences 9-10 may, 2011, Denver, CO USA. 16. Cerbu, C., Ciofoaia, V., Curtu, I., Vladuta, C., Impact behavior for the composite materials randomly reinforced with e-glass fibers, 13th International Research/Expert Conference "Trends in the Development of Machinery and Associated Technology" TMT 2009, Hammamet, Tunisia, 16-21 October 2009. 17. Vladuta, C., Duta, A., Influence of environmental open air conditions on the mechanical properties of PET – rubber composites, Galați, Romania, UgalMat 2005 The annals of "Dunarea de Jos" University of Galati Fascicle IX Metallurgy and Materials Science, ISSN 1453 – 083X. NR 2 – 2005. 18. Cazan, C., Duta, A., The Influence of Temperature on the Interface Properties of PET-rubber Nanocomposites, 3rd International Conference on Recent Advances in Composite Materials, ICRACM, Limoges, France, 2010. 19. Vladuță, C., Duta, A., Effect of UV exposure on the mechanical properties of PET - rubber - TiO₂ composites, 6th International Conference on "Materials Science and Engineering" - BRAMAT 2009, Brasov, Romania, 2009. 20. Vladuță, C., Duta, A., Polymer - Inorganic Composites on Advanced Recycling Solution, 2nd Conference on Sustainable Energy, Transilvania University of Brasov, Romania, 2008. 21. Vladuta, C., Voinea, M., Duta, A., Composite materials based on recycled PET and tire rubber obtained by compression molding, Simpozionul Impactul Acquis-ului Comunitar de Mediu asupra Tehnologiilor si Echipamentelor, ACQUISTEM, Agiea, 2008. 22. Vladuta, C., Duta, A., The mechanical properties of PET-Rubber composites, The 5th International Conference on "Materials Science
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	and Engineering” - BRAMAT 2007, Brasov, Romania, 2007
Lucrări prezentate la conferințe naționale/ internaționale în profilul postului	<ol style="list-style-type: none"> 1. Vladuta, C., Cosnita, M., Duta, A., Effect of Functionalization of PET on Composites on Based Tire Rubber and Plastic Materials, http://paginas.fe.up.pt/clme/icem15/ 2. Vladuta, C., Duta, A., The Influence of Temperature on the Interface Properties of PET-rubber Nanocomposites http://icracm2013.thefourdy.com/about-icracm-conference 3. Vladuta, C., Duta, A., Novel Solution for Plastic and Rubber Recycling, www.pmi2007.ghent.conference 4. Cristina VLADUTA, Anca DUTA, Camelia CERBU, The additives influence on the shear mechanical properties of composites based on PET and rubber, www.lpmm.univ-metz.fr/shear07/ 5. Cristina VLADUTA, Anca DUTA, Camelia CERBU, Thermal analysis and mechanical properties of the PET- rubber composites, www.lpmm.univ-metz.fr/shear07/ 6. Vladuta, C., Duta, A., Visa, I., Dobre, E.B., Cerbu, C., Studies concerning the mechanical comportment of PET-rubber composites, www. 7. Vladuta, C., Duta, A., Enesca A., Dobre, E.B., Visa, I., Thermal degradation and mechanical properties of PET-rubber composites, www.fe.up.pt/materiais2007 8. E.B. Dobre, I. Vișa, A. Duță, C. Vladuță, Finite Element Analysis Of The Strain Stress In Composites Based On Rubber And Plastics Recycled, http://rocam.unibuc.ro/rocam2006/index1.html 9. C. Vladuta*, A. Duta*, C. Cerbu**, I. Visa*, E.B. Dobre, Influence Of Accelerated Aging in aqueous media of the random PET-rubber Composites, http://Rocam.Unibuc.Ro/Rocam2006/Index1.Html
Volum(e) de specialitate publicat(e) în edituri recunoscute național	<ol style="list-style-type: none"> 1. Vladuta, C., autor capitol 4.3 Recycling in book Sustainable Energy, Ed. Universitatii Transilvania, 2008, Editori: Ion Visa, Anca Duță, ISBN 978-973-598-454-0. 2. Cazan, C., Cosnita, M., Visa, M., Duta, A., capitol 38: Novel Rubber - Plastics Composites Fully Based on Recycled Materials, in Sustainable Energy in the Built Environment - Steps Towards nZEB, Springer, 2014, ISBN 978-3-319-09706-0. 3. Visa, M., Cazan, C., Andronic, L., capitol 41: Fly Ash Based Substrates for Advanced Wastewater Treatment, in Sustainable Energy in the Built Environment - Steps Towards nZEB, Springer International Publishing Switzerland, 2014, ISBN: 978-3-319-09706-0. 4. Cazan, C., Duta, A., autor capitol 7: Rubber/Thermoplastic Blends: Micro and Nano Structur, in book: Advances in Elastomers-I: Their Blends and Interpenetrating Networks, Springer, 2013, ISBN: 978-3-642-20924-6. 5. Cazan, C., Duta, A., autor capitol 8: Recycled Rubber – Composite Matrix, in book Types, Properties and Uses, Nova Science Publishers, Inc., 2010, ISBN: 978-1-61761-464-4. 6. Monografie: Isac, L., Tica, R., Andronic, L., Vladuta, C., Chimie-Activități experimentale, Editura Universitatii Brașov, 2004.

Director de departament,
prof. Dr. Ing. Codruta JALIU

Candidat,
sef lucr. Dr. Cristina CAZAN

CAZAN CRISTINA

Fișă de îndeplinire a standardelor minimale pentru ocuparea postului de conferențiar universitar aprobate prin OMCTS

	Condiții conferențiar	Punctaje îndeplinite
Activitate didactică/profesională A1	20 puncte	45,94 puncte
Activitate de cercetare A2	150 puncte	249,89 puncte
Recunoașterea impactului activității A3	30 puncte	176,75 puncte
Total	200 puncte	472,58 puncte

A1. Activitatea didactică și profesională (conferențiar-minim 20 puncte)

1.1 Carti si capitole in carti de specialitate			Punctaj indeplinit
1.1.1 Carti/capitole ca autor(minim 1) 1.1.1.1. Internationale	Cazan, C., Duta, A., co-authors Chapter 8: Recycled Rubber – Composite Matrix, in book Types, Properties and Uses, Nova Science Publishers, Inc., 2010, ISBN: 978-1-61761-464-4. (22 pag.)	Nr.pag. / 5 x nr.autori	2.20
	Cazan, C., Duta, A., co-authors Chapter 7 Rubber/Thermoplastic Blends: Micro and Nano Structur, in book: Advances in Elastomers-I: Their Blends and Interpenetrating Networks, Editors: Visakh, P.M., Sabu, T., Arup, K.C., Aji, P.M., Springer, 2013, ISBN: 978-3-642-20924-6 (48 pag)		4.60
	Cazan, C., Cosnita, M., Visa, M., Duta, A., capitol 38: Novel Rubber - Plastics Composites Fully Based on Recycled Materials, in Sustainable Energy in the Built Environment - Steps Towards nZEB, Springer, 2014, ISBN 978-3-319-09706-0.		0.80
	Visa, M., Cazan, C., Andronic, L., capitol 41: Fly Ash Based		1.86

	Substrates for Advanced Wastewater Treatment, in Sustainable Energy in the Built Environment - Steps Towards nZEB, Springer International Publishing Switzerland, 2014, ISBN: 978-3-319-09706-0. (28 pag)		
1.1.1.2. Nationale	Vladuta, C. , autor cap. 4.3 <i>Recycling in book Sustainable Energy</i> , Ed. Universitatii Transilvania, 2008, Editori: Ion Visa, Anca Duță, ISBN 978-973-598-454-0, pp 300-324. (24 pag)	Nr.pag. / 10 x nr.autori	2.4
1.2 Material didactic/lucrari didactice			
1.2.1 Materiale didactice/monografii (minim 1)	Cazan C. , Managementul Deseurilor Solide, Notite de curs pentru specializarile Ingineria si Protectia Mediului in Industrie si Ingineriasi Valorificarea Deseurilor, anul IV, platforma e-learning 2012-2013, Universitatea Transilvania Brasov (365 sliduri- 121 pag)		6.05
	Cazan C. , Chimie generala, Notite de curs pentru, anul I, platforma e-learning 2008-2009, Universitatea Transilvania Brasov (402 sliduri – 134 pag)		6.7
1.2.2 Indrumatoare de laborator/aplicatii (minim 1)	Isac, L., Tica, R., Andronic, L., Vladuta, C. , <i>Chimie- Activități experimentale</i> , Editura Universitatii Braşov, 2004 (133 pagini)	Nr. Pag / 25 x nr. autori	1.33
1.3 Coordonare de programe de studii, organizare si coordonare programe de formare continua si proiecte educationale			
Responsabil	Tutore anul II – 2013/2014 - Ingineria Valorificării Deșeurilor		10
Membru	<i>Leonardo da Vinci, RO/95102/EX</i> : “Improving Competencies on Recycling Waste and Sustainable Development”. 2005-2006.		5

	COMENIUS 226362-CP-1-2005-1-RO-COMENIUS-C21 SEE-EU TOOL Sustainable energy for high school, Education-An European Training Tool		5
Total criteriul A1 = 45.94 puncte			

A2. Activitate de cercetare (conferențiar-minim 150 puncte)

2.1 Articole in reviste cotate ISI Thomson Reuters si in volume indexate ISI proceedings (Minim 10 articole pentru Conferențiar / CSII din care min. 5 in Reviste cotate ISI Th.R., din care min. 3 cu FI de min.0,5 si min. 2 ca autor principal indiferent de FI)

Nr. ctr.	Articole in reviste ISI Thomson Reuters	FI 2013	Număr de autori	Prim autor	Puntaj
1	György, E., Pérez del Pino, A., Logofatu, C., Cazan, C. , Duta, A., Simultaneous Laser-Induced Reduction and Nitrogen Doping of Graphene Oxide in Titanium Oxide/Graphene Oxide Composites, Journal of the American Ceramic Society, 97 (9), (2014) pp.2718-2724)	2.428	5	nu	14.71
2	Andronic, Luminita; Enesca, Alexandru; Cazan, Cristina; Visa, Maria, TiO ₂ -active carbon composites for wastewater photocatalysis, Journal of Sol-Gel Sciencea Technology Volume: 71 Issue: 3 Pages: 396-405 Published: SEP 2014	1.547	4	nu	13.98
3	Cosnita, M., Cazan, C. , Duta, A., Interfaces and mechanical properties of recycled rubber–polyethylene terephthalate–wood composites, Journal of Composite Materials, 48 (6), (2013), pp.683-694	1.257	3	nu	8.33
4	Cazan, C. , Perniu, D., Cosnita, M., Duta, Polymeric Wastes From Automotives As Second Raw Materials For Large Scale Products, A., Environmental Engineering And Management Journal, 12(8) (2013), pp. 1649-1655.	1.258	4	da	12.54
5	Cosnita, M., Cazan, C. , Duta, A., Product development using composite from recycled wood, plastics and rubber, 1 st first Conference on Quality and innovation and engineering and management (QIEM), QIEM Proceedings (2011), pp. 253-256.	-	3	nu	8.33

6	Vladuta, C., Andronic, L., Duta, A.,Effect of TiO ₂ nanoparticles on the interfaces PET-rubber composites, Journal of Nanoscience and Nanotechnology 10 (2010), pp. 2518–2526	1.339	3	da	17.26
7	Ienei, E., Isac, L., Cazan, C., Duta, A., Characterization of Al/Al ₂ O ₃ /NiOx solar absorber obtained by spray pyrolysis, Solid State Sciences 12 (2010), pp.1894-1897	1.679	4	nu	14,61
8	Vladuta, C., Voinea, M., Purghel, E., Duta, A., Correlations between the structure and the morphology ofPET- rubber nanocomposites with different additives, Materials Science and Engineering B, 165-3 (2009), pp.221-226.	2.122	4	da	18.26
9	Andronic, L. Enesca, A., Vladuta, C., Duta, A., Photocatalytic activity of cadmium doped TiO ₂ films for photocatalytic degradation of dyes, Chemical Engineering Journal 152 (2009), pp.64-71	4.058	4	nu	26.54
10	Vladuta, C., Andronic, L., Visa, M., Duta, A., Ceramic interface properties evaluation based on contact angle measurement, Surface & Coatings Technology 202 (2008) 2448–2452	2.199	4	da	17.24
11	Voinea, M., Vladuta, C., Bogatu, C., Duta, A., Surface properties of copper based cermet materials, Materials Science and Engineering: B 152 (2008), pp.76-80	2.122	4	nu	18.26
TOTAL CRITERIUL 2.1					170.06

2.2 Articole in reviste si volumele unor manifestari stiintifice indexate in alte baze de date internationale (minim 2 pentru conferențiar)

NR. CRT.	ARTICOLE INDEXATE IN BAZA DE DATE SCOPUS		Nr.autori	PUNCTAJ
1	Vladuta, C., Duta, A., Influence of environmental open air conditions on the mechanical properties of PET – rubber composites, Galați, Romania, UgalMat 2005 The annals of “Dunarea de Jos” University of galati fascicle IX Metallurgy and materials science, ISSN 1453 – 083X. NR 2 – 2005 .	Revista 20 / nr.	2	10

	http://scholar.google.ro/scholar?start=10&q=vladuta&hl=en&as_sdt=0,5	Autori		
2	Duta, A., Cazan, C. , Cosnita, M., Fly ash in optimized composites based on rubber, recycled plastics, World of coal ash(WOCA) Conferences 9-10 may, 2011, Denver, CO USA, http://scholar.google.ro/scholar?start=0&q=cazan+c.&hl=en&as_sdt=0,5		3	3.33
3	Duta, A., Cazan, C. , Accelerated aging test of composites based on rubber, recycled plastics and fly ash, World of coal ash(WOCA) Conferences 9-10 may, 2011, Denver, CO USA, http://scholar.google.ro/scholar?start=70&q=cazan+c.&hl=en&as_sdt=0,5		2	10
4	Cerbu, C., Ciofoaia, V., Curtu, I., Vladuta, C. , Impact behaviour of the composite materials randomly reinforced with e-glass fibres, 13th International Research/Expert Conference "Trends in the Development of Machinery and Associated Technology" TMT 2009, Hammamet, Tunisia, 16-21 October 2009, http://scholar.google.ro/scholar?start=20&q=vladuta&hl=en&as_sdt=0,5		4	2.50
		TOTAL CRITERIUL 2.2		25.83

2.4 Granturi/proiecte castigate prin competitie

2.4.1 Director/Responsabil

Nr. Crt.	Proiect internațional	Poziție	Perioada	Nr. Ani	Punctaj
1	The European Solar Research Infrastructures for concentrates Solar Power. Second phase II. - <i>Solar collectors sealing with increased durability in the working environment (saline aerosols, humidity, temperature and UV)</i>	director	2014	1	20
TOTAL					20

2.4.2 Membru în echipa

2.4.2.1 Internaționale

2.4.2.2 Naționale

Nr. Crt.	Proiect național	Poziție	Perioada	Nr. Ani	Punctaj
1	"Research on energy production in traditional and new methods", Theme 4: Wastes collection and recycling 17bis	membru	2004	1	2
2	„Nanomaerials for Solar Cells” TU Delft, Olanda, , TNW 03.466	membru	2005	1	2
3	CNCSIS A400 Increasing the conversion efficiency of the solid state solar cells	membru	2005-2008	3	6
4	CEEX 226 / 2006 „Integrated system for renewable energy production”	membru	2006-2008	3	6
5	CEEX 277/2007 „Multifunctional materials for the efficient solar/thermal conversion”	membru	2006-2008	3	6
6	CNCSIS Platform 79 /2006 „Product design for sustainable development”	membru	2007	1	2
7	PN II Idei nr. 79/2007 Foto-Complex: Complex Photo-catalytic systems for advanced waste water treatment from textile finishing	membru	2007-2009	3	6
8	Complex high surface area photoactive nanomaterials for environmentally-friendly energy production and organic pollutants degradation (NANOVISMAT)	membru	2012	1	2
9	Comanda - Servicii : Microscopie electronica de baleiaj, microscopie de forta, testari mecanice	membru	2012	1	2
TOTAL					34

A3 RECUNOAȘTEREA ȘI IMPACTUL ACTIVITĂȚII (minim 30 puncte)

3.1 Citări în reviste ISI și BDI

Ienei, E., Isac, L., **Cazan, C.**,Duta, A., Characterization of Al/Al₂O₃/NiOx solar absorber obtained by spray pyrolysis, Solid State Sciences 12 (2010), pp.1894-1897 (3 citari in reviste ISI)

Revista	Nr. Crt.	Articolul care citează	FI	Punctaj
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ISI	1	Amri, Amun; Duan, XiaoFei; Yin, Chun-Yang; et al., Solar absorptance of copper-cobalt oxide thin film coatings with nano-size, grain-like morphology: Optimization and synchrotron radiation XPS studies, <i>Applied Surface Science</i> , 275 (2013) 127-135	2.212	5
	2	Khatibani, A.B., Rozati, S. M., Synthesis and characterization of amorphous aluminum oxide thin films prepared by spray pyrolysis: Effects of substrate temperature, <i>Journal of Non-Crystalline Solids</i> , 363 (2013) 121-133	1.597	3.75
	3	<i>Journal of Vacuum Science and Technology</i> , 32 (2011) 943-950	1.34	3.75
			TOTAL	12.50
Andronic, L. Enesca, A., Vladuta, C. , Duta, A., Photocatalytic activity of cadmium doped TiO ₂ films for photocatalytic degradation of dyes, <i>Chemical Engineering Journal</i> 152 (2009) 64-71(23 citari in reviste ISI și 1 citare în reviste BDI)				
Revista	Nr. Crt.	Articolul care citează	FI	Punctaj
	1	Ducman, Vilma; Petrovic, Vladimira; Skapin, Sreco D.. Photo-catalytic efficiency of laboratory made and commercially available ceramic building products, <i>Ceramics International</i> , 39 (2013) 2981-2987	1.789	3.75
	2	Karunakaran, C., Vijayabalan, A., Manikandan, G., Photocatalytic bacteria inactivation by polyethylene glycol-assisted sol-gel synthesized Cd-doped TiO ₂ under visible light, <i>Research On Chemical Intermediates</i> , 39 (2013) 1437-1446	0.880	2.50
	3	Makarewicz, E., Cysewski, P., Michalik, A., et al., Properties of acid or alkali treated cadmium pigments, <i>Dyes And Pigments</i> , 96 (2013) 338-348	3.532	5
	4	Carcel, R.A., Andronic, L., Duta, A., Photocatalytic activity and stability of TiO ₂ and WO ₃ thin films, <i>Materials Characterization</i> , 70 (2012) 68-73	1.880	3.75
	5	Anju, S. G.; Yesodharan, S., Yesodharan, E. P., Zinc oxide mediated sonophotocatalytic degradation of phenol in water, <i>Chemical Engineering Journal</i> , 189 (2012) 84-93	3.473	5
	6	Akpan, U.G., Hameed, B.H., Photocatalytic degradation of wastewater containing acid red 1 dye by titanium dioxide: Effect of calcination temperature, <i>Desalination and Water Treatment</i> 43 (2012) 84-90	0.852	2.50
	7	Lee, D.M., Yun, H.J., Yu, S., Yun, S.J., Lee, S.Y., Kang, S.H., Yi, J., Design of an efficient photocatalytic reactor for the decomposition of gaseous organic contaminants in air, <i>Chemical Engineering Journal</i> 187 (2012) 203-209	3.473	5
	8	S. Saha, J.M. Wang, Anjali Pal, Nano Silver Impregnation on Commercial TiO ₂ and a Comparative Photocatalytic Account to Degrade Malachite Green, <i>Separation and Purification Technology</i> 89 (2012) 147-159	2.894	5
	9	Petrovic, V., Ducman V., Skapin S.D., Determination of the photocatalytic efficiency of TiO ₂ coatings on ceramic tiles by monitoring the photodegradation of organic dyes, <i>Ceramics International</i> 38 (2012) 1611-1616.	1.789	3.75
	10	Andronic, L., Duta, A., The influence of precursor's composition and concentration on cadmium doped TiO ₂ film, <i>Central European Journal Of Chemistry</i> , 10 (2012) 85-90	1.167	3.75
ISI	11	Ahmed, Saber, Impact of Operating Conditions and Recent Developments in Heterogeneous Photocatalytic Water Purification Process, <i>Critical Reviews in Environmental Science and Technology</i> , 42 (2012) 601-675.	4.841	5

	12	Gao H., Lu B., Liu F., Liu Y., Zhao X., Photocatalytical Properties and Theoretical Analysis of N, Cd-Codoped TiO ₂ Synthesized by Thermal Decomposition Method, <i>International Journal Of Photoenergy</i> (2012) Article Number: 453018	1.769	3.75
	13	Carcel, R.A., Andronic, L., Duta, A., Photocatalytic Degradation of Methylorange Using TiO ₂ , WO ₃ and Mixed Thin Films Under Controlled pH and H ₂ O ₂ , <i>Journal of Nanoscience and Nanotechnology</i> , 11 (2011) 9095-9101	1.563	3.75
	14	Rauf M. A.; Meetani M. A.; Hisaindee S., An overview on the photocatalytic degradation of azo dyes in the presence of TiO ₂ doped with selective transition metals, <i>Desalination</i> 276 (2011) 13-27.	3.041	5
	15	Motoc, Adrian Mihail; Piticescu, Radu Robert; Carcel, Radu Adrian; et al., Hydrothermal Synthesized TiO ₂ based Nanopowders for Photocatalytic Applications, <i>Environmental Engineering and Management Journal</i> , 10 (2011) 1299-1303	1.117	3.75
	16	Chirila, Elisabeta; Dobrinas, Simona; Paunescu, Elena; et al., Determination of aromatic volatile compounds in petrochemical wastewater, <i>Environmental Engineering and Management Journal</i> , 10 (2011) 1081-1085	1.117	3.75
	17	Dudita Mihaela; Bogatu Cristina; Enesca Alexandru; Duta ANCA, The influence of the additives composition and concentration on the properties of SnO _x thin films used in photocatalysis, <i>Materials Letters</i> 65 (2011) 2185-218.	2.224	5
	18	Karunakaran C.; Vijayabalan A.; Manikandan G.; et al., Visible light photocatalytic disinfection of bacteria by Cd-TiO(2) Source: <i>Catalysis Communications</i> 12 (2011) 826-829.	2.915	5
	19	Long R.; English N. J., Tailoring the electronic structure of TiO(2) by cation codoping from hybrid density functional theory calculations, <i>Physical Review B</i> 83 (2011) Article Number: 155209.	3767	5
	20	Long R., English N. J., Band gap engineering of double-cation-impurity-doped anatase-titania for visible-light photocatalysts: a hybrid density functional theory approach, <i>Physical Chemistry Chemical Physics</i> 13 (2011) 13698-13703.	3.829	5
	21	Molea A.; Popescu V., The obtaining of titanium dioxide nanocrystalline powders, <i>Optoelectronics And Advanced Materials-Rapid Communications</i> 5 (2011) 242-246.	0.402	1.25
	22	Enesca Alexandru; Bogatu Cristina; Voinea Mihaela; Duta Anca, Opto-electronic properties of SnO ₂ layers obtained by SPD and ECD techniques, <i>Thin Solis Films</i> 519 (2010) 563-567	1.888	3.75
	23	Chirila Elisabeta; Dobrinas Simona; Paunescu Elena; Stanciu G., Draghici C., Determination of aromatic volatile compounds in petrochemical wastewater , <i>Environmental Engineering and Management Journal</i> 10 (2011) 1081-1085	1.004	3.75
BDI	24	Ciobanu I., Lazar A. M. Chaumont D., Veteleanu A., Sacelloti M., Researches about the photocatalitic effect of TiO ₂ nanostructures synthetized on silicon substrate and co microparticles, <i>Metalurgia International</i> 16 (2011) 26-30	-	0.75
			TOTAL	93.5
Vladuta, C., Voinea, M., Purghel, E., Duta, A., Correlations between the structure and the morphology of PET- rubber nanocomposites with different additives, <i>Materials Science and Engineering B</i>, 165-3 (2009), pp.221-226 (3 citari in reviste ISI)				
REVISTA	NR. CRT.	ARTICOLUL CARE CITEAZA	FI	punctaj

ISI	1	Rodriguez, Francisco, J., Galotto, M.J., Abel; et al., Modification of cellulose acetate films using nanofillers based on organoclays, Guarda, Journal of Food Engineering, 110 (2012) 262-268	2.276	5
	2	Rezaeian, I.; Zahedi, P., Rezaeian, A., Rubber Adhesion to Different Substrates and Its Importance in Industrial Applications: A Review, Journal of Adhesion Science and Technology, 26 (2012) 721-744.	0.900	2.50
	3	Aradoaei, S.; Darie, R.; Constantinescu, G.; et al., Modified lignin effectiveness as compatibilizer for PET/LDPE blends containing secondary materials, JOURNAL OF NON-CRYSTALLINE SOLIDS, 356 (2010) 768-771	1.597	3.75
TOTAL			11.25	
Vladuta, C., Andronic, L., Visa, M., Duta, A., Ceramic interface properties evaluation based on contact angle measurement, Surface & Coatings Technology 202 (2008) 2448–2452 (5 citari in reviste ISI și 1 citări în reviste BDI)				
Revista	Nr. Crt.	ARTICOLUL CARE CITEAZA	FI	punctaj
ISI	1	Widiyastuti W.; Hidayat Darmawan; Purwanto A.; Iskandar F., Okuyama K., Particle dynamics simulation of nanoparticle formation in a flame reactor using a polydispersed submicron-sized solid precursor, Chemical Engineering Journal 158 (2010) 362-367	3.473	5
	2	Andronic, L., Perniu, D., Duta, A., Synergistic effect between TiO2 sol-gel and Degussa P25 in dye photodegradation, Journal of Sol-Gel Science and Technology, 66 (2013) 472-480	1.660	3.75
	3	Houweling Z. S., Geus J.W., Schropp Ruud E. I., Synthesis of WO(3) Nanogranular Thin Films by Hot-Wire CVD, Chemical Vapor Deposition, 16 (2010) 179-184	1.316	3.75
	4	Houweling, Z. Silvester; Geus, John W.; de Jong, Michiel; et al., Growth process conditions of tungsten oxide thin films using hot-wire chemical vapor deposition, Materials Chemistry and Physics, 131 (2011) 375-386.	2.072	5
	5	Ting H. T.; Abou-El-Hossein K. A.; Chua H. B., Review of micromachining of ceramics by etching, Transactions of Nonferrous Metals Society of China 19 (2009) S1-S16	0.971	2.50
BDI	6	Visa M.; Isac L.; Duta A., Fly Ash - Activated Carbon Powder Composites for Dyes and Heavy Metals Removal, Multi-Functional Materials and Structures II, PTS 1 and 2 Book Series: Advanced Materials Research Volume: 79-82 (2009) 243-246 Part 1-2		0.75
TOTAL			20.75	
Voinea, M., Vladuta, C., Bogatu, C., Duta, A., Surface properties of copper based cermet materials, Materials Science and Engineering: B 152 (2008), pp.76-80 (4 citari in reviste ISI)				
Revista	Nr. Crt.	ARTICOLUL CARE CITEAZA	FI	Punctaj
	1	Jinga, V., Dudita, M., Nascov, V., et al., Application of nanostructured technology for accuracy increasing in a gas flow meter case, Metalurgia International, 18 (2013) 153-158	0.134	1.25

ISI	2	Dudita, M., Isac, L., Duta, A., Influence of solvents on properties of solar selective coatings obtained by spray pyrolysis, Bulletin of Materials Science, 35 (2012) 997-1002	0.584	2.5
	3	Bertus, L. M.; Duta, A., Synthesis of WO ₃ thin films by surfactant mediated spray pyrolysis, Ceramics International, 38 (2012) 2873-2882	1.789	3.75
	4	Dudita, M., Bogatu, C., Enesca, A., Duta, A., Thin Films of SnO ₂ Obtained Electrochemically from Surfactants Containing Electrolytes, Revue Roumaine de Chimie, 56 (2011) 717-723	0.331	1.25
TOTAL			8.75	

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

3.3.1 Recenzor reviste ISI: Chemical Engineering Journal, Materials Science and Engineering B, Materials Letter, Materials Chemistry and Physics, Journal of Mechanical Engineering Research, Journal of Nanoscience and Nanotechnology.

Punctaj 6 reviste x 5 puncte= 30 puncte

TOTAL CRITERIUL 3.3 30

	Condiții conferențiar	Punctaje indeplinite
Activitate didactică/profesională A1	20 puncte	45,94 puncte
Activitate de cercetare A2	150 puncte	249,89 puncte
Recunoașterea impactului activității A3	30 puncte	176,75 puncte
Total	200 puncte	472,58 puncte

06.01.2015

Cristina CAZAN