

## ANEXA 1

## I. ACTIVITATEA DE CERCETARE

		IF	Nr autori	Punctaj
I.1	1. <u>Doina Lutic</u> , Michael Strand, Anita Lloyd Spetz, Kristina Buchholt, Eliana Ieva, Per-Olof Käll, Mehri Sanati, Catalytic properties of oxide nanoparticles applied in gas sensors, Topics in Catalysis, 45, 1-4, p. 105-109, 2007	2.608	7	25.93
	2. Didier Tichit, <u>Doina Lutic</u> , Bernard Coq, Robert Durand, Rémi Teissier – The aldol condensation of acetaldehyde and heptanal on hydrotalcite type catalysts, J.Catal. 219 (1), p. 167-175, 2003	5.787	5	74.44
	3. Emil Dumitriu, Claude Guimon, Vasile Hulea, <u>Doina Lutic</u> , Ioana Fechete – <i>Transalkylation of toluene with trimethylbenzenes catalyzed by various AFI catalysts</i> , Appl.Catal. A:General, 237, 2002, p. 211-221	3.41	5	45.92
	4. Do Trong On, <u>Doina Lutic</u> , Serge Kaliaguine – <i>An example of mesostructured zeolitic material: Ul-TS-1</i> - Microporous and Mesoporous Materials, 44-45, 2001, p. 435-444	3.365	3	75.63
	5. Emil Dumitriu, <u>Doina Lutic</u> , Vasile Hulea, Dana Dorohoi, Abdelkrim Azzouz, Elibabeth Colnay, Charles Kappenstein - <i>Synthesis optimization of chabazite-like SAPO-47 in the presence of sec-butylamine</i> , Microporous and Mesoporous Materials, 31 (1-2), 1999, p. 187-193	3.365	7	32.41
	6. Doina Lutic, Cristina Coromelci-Pastravanu, Igor Cretescu, Ioannis Poullos, Catalina-Daniela Stan, Rhodamine G Removal from Wastewaters using Photoactive ZnO – a Parametric Study, International Journal of Photoenergy, Article ID 475131, 8 pagini, doi:10.1155/2012/475131, 2012 IF = 1,769	2.663	5	36.96
	7. Elena Mihaela Seftel, Pegie Cool, Anita Lloyd-Spetz, <u>Doina Lutic</u> , Synthesis and characterization of catalytic metal semiconductor-doped siliceous materials with ordered structure for chemical sensing, Journal of Porous Materials, (2013) 20:1119–1128, DOI 10.1007/s10934-013-9694-2	1.348	4	26.47
	8. Saliha Haddoum, Ioana Fechete, Bertrand Donnio, Francois Garin, <u>Doina Lutic</u> , Chems Eddine Chitour, <i>Fe-TUD-1 for the preferential rupture of the substituted C-C bond of methylcyclopentane (MCP)</i> , Catalysis Communications 27 (2012) 141–147	2.915	5	39.98
	9. E.M. Seftel, P. Cool, <u>D. Lutic</u> Mg–Al and Zn–Fe layered double hydroxides used for organic species storage and controlled release, Mat. Sci. Eng. C 33 (2013) 5071–5078	2.736	3	63.05
	11. E. M. Seftel, P. Cool, A. Lloyd Spetz, <u>D. Lutic</u> Pt-doped Semiconductive Oxides Loaded on Mesoporous SBA-15 for Gas Sensing, Comptes Rendus Chimie 17 717–724 2014	1.92	4	35.05
	12. Philippe Caullet, Angelique Simon-Masseron, Henri Kessler, Emil Dumitriu, Ioana Fechete, <u>Doina Lutic</u> , <i>The role of acidity of CeH-EMT-type zeolite for catalyzing toluene alkylation with methanol to xylenes</i> , Rev. Roum. Chimie, 53(1), 55-61 2008	0.331	6	7.48

	13. Emil Dumitriu, Ioana Fechete, Henri Kessler, Philippe Caullet, <u>Doina Lutic</u> , Eric Gautron, <i>Studies on the acidity and the stability of Fe<sup>3+</sup> ions in the framework of (Si,Fe)-MCM-22 zeolite. Selective para-xylene production by toluene disproportionation</i> , Rev. Roum. Chimie, <b>53(1)</b> , 49-54 2008	0.331	6	7.48
	14. Claudia Hristodor, Violeta Copcia, <u>Doina Lutic</u> , Eveline Popovici, <i>Thermodynamics and kinetics of Pb(II) and Hg(II) ions removal from aqueous solution by Romanian clays</i> , Revista de Chimie, 61(3), 2010, p. 285-289	0.538	4	14.32
	15. Elena-Mihaela Seftel, Emiliană Dvininov, <u>Doina Lutic</u> , Eveline Popovici, Calin Ciocoiu - <i>Synthesis of Hydrotalcite-type Anionic Clays Containing Biomolecules</i> , Journal of Optoelectronics and Advanced Materials, 7(6), p. 2869, 2005	0	6	4.17
	16. Ioana Fechete, Saida Debbih-Boustila, Rima Merkache, Oana Hulea, Liliana Lazar, <u>Doina Lutic</u> , Ion Balasanian, Francois Garin, <i>MnMCM-48, CoMCM-48 AND CoMnMCM-48 Mesoporous catalysts for the conversion of methylcyclopentane (MCP)</i> , Environmental Engineering and Management Journal Vol.11, No. 11, 2012, 1931-1943	0.516	8	7.00
	17. <u>Doina Lutic</u> , Igor Cretescu, <i>Detection of Soot Particles Using a Resistive Device Based on Thermophoresis</i> , Environmental Engineering and Management Journal, Vol.13, No. 9, p. 2253-2259, 2014.	1.117	2	46.01
	18. Vasilica-Ancuta Simion, Igor Cretescu, <u>Doina Lutic</u> , Constantin Luca, Ioannis Poulios, Enhancing the Fenton process by UV light applied in textile wastewater treatment, Environmental Engineering and Management Journal, Vol.14, No. 3, 2015, 595-600.	1.117	5	18.40
I.2	1. <u>Doina Lutic</u> , Joakim Pagels, Robert Bjorklund, Peter Josza, Jaco Visser, Ann Grant, Mats L Johansson, P. Jasko, P.-E. Fägerman, Mehri Sanati, Anita Lloyd Spetz, <i>Detection of soot applying sensor device with thermophoretic deposition</i> , Journal of Sensors, p. 1-6, 2010.	20	11	1.82
	E.Dumitriu, A.Azzouz, H.Kessler și <u>Doina Lutic</u> - <i>Synthesis, characterization and catalytic activity of SAPO-34 obtained with piperidine as templating agent</i> , Microporous Materials, 10, 1997, p. 1-12.	20	4	5.00
I.5	<u>Doina Lutic</u> , Anita Lloyd Spetz și Mehri Sanati - „Gas sensors”, capitolul 15 in „Synthesis Properties and Applications of Oxide Nanomaterials”, editori José A. Rodriguez și Marcos Fernández-García, John Wiley & Sons, New York, 2007, p. 411-450 (40 pagini).	100	3 autori	13.33
	<u>Doina Lutic</u> , Vasilica-Ancuta Simion și Igor Cretescu – “Improving the water management and protection of natural aquatic resources by using cost-effective advanced treatments of effluents based on Fenton reaction”, capitolul 7 în Current topics, concepts and research priorities in environmental chemistry, vol. III, editor Carmen Zaharia, Editura Universitatii Alexandru Ioan Cuza Iasi, ISBN 978-606-714-062-0, p. 147-164. (18 pagini)	50	3 autori	3.00

<b>I.9</b>	MNT ERA Net, Soot Sens II -Soot Sensors for a healthy environment, Proiect transnational nr. 09044/2010, MNT Era Net nr. 7-028/2010, <b>director / responsabil</b> din partea Universitatii Al. I. Cuza, 2010	20 000 euro	-	20.00
	Bilateral Project Romania – Greece nr. 576/2012, Oxidarea fotocatalitică folosind lumina solară a soluțiilor de colorant în medii apoase (Solar Photocatalytic Oxidation and Decolorization of Dye Solutions in Aqueous Media (PHOTODYEOUT), <b>director</b> , 2012-2013. (4930 euro)	4 930 euro	-	4.93
	MNT ERA Net, Soot Sens-Soot Sensors for a healthy environment, Project, nr. 07149, MNT Era net 7-011/08.09.2008, <b>membru</b> , 2008-2009, (director Prof. Evelini Popovici)	444000 lei (120000 euro la 3.7 lei/euro)	5 membri	24.00
	Project CEEEX nr.1/S1/2005 Porous oxidic multifunctional materials for the removal and degradation of priority dangerous substances from wastewaters, <b>membru</b> , 2007-2008. (director Prof. Evelini Popovici)	1500000 lei (416 666 euro la 3.6 lei/euro)	21 membri	19.84
	Project CNCSIS nr. 1450, Synthesis of new solids with nanometric scale porosity useful for the ecologic processes of wastewaters rehabilitation, <b>membru</b> , 2005-2006. (director Prof. Evelini Popovici)			0.00
	Detection systems based on metallic multilayer nanowires for biomedical applications, Project PNII-PC4 11-072.2.1, <b>membru</b> , 2007-2010. (director Prof. Gheorghe Nemțoi)	181511 lei (55 000 euro la 3.3 lei/euro)	3 membri	18.33
<b>I.11</b>	Peter Jozsa, Anita Lloyd-Spetz, <u>Doina Lutic</u> , Mehri Sanati, Jaco Visser, <i>Method and arrangement for detecting particles</i> , Patent Number(s): WO2009108091-A1 ; EP2255178-A1 ; CN101965511-A ; US2011197571-A1, 2009.		5	20.00
<b>I.12</b>	Citari și recenzii ale lucrărilor științifice Conform documentului separat atasat			4702.13
	TOTAL CRITERIUL I			<b>5393.08</b>

## II. ACTIVITATEA DIDACTICA

<b>II.1</b>	1. E.Dumitriu și <u>Doina Lutic</u> , « <i>Cataliza: o abordare generală</i> », Editura «VIE», Iasi, Romania, ISBN 973-85989-7-4, 2002.	380 pagini	2 autori	57
<b>II.2</b>	Elaborare de ciclu de lucrări de laborator la disciplinele nou predate			
	2007-prezent: Biotehnologii (Chimie, anul III BT)			40
	2011-2014: Chimie Ecologică (Chimie, master)			40
	2014-2015: Chimie Alimentară (Chimie, master)			40
<b>II.3.</b>	1. <u>Doina Lutic</u> – “ <i>Procese catalitice</i> ”, îndrumar de laborator pentru studenți, Editura “Performantica”, ISBN 973-730-047-5, Iasi, 2005.	96 pagini	1 autor	28.80
	2. Eveline Popovici, Maria Alexandroaei și <u>Doina Lutic</u> , “ <i>Merceologie</i> ” – îndrumar de laborator pentru studenți, Editura Universității “Al.I.Cuza” Iasi, Romania, 1997.	240 pagini	3 autori	24

3. Gheorghe Duca, Eveline Popovici, Maria Gonța și <u>Doina Lutic</u> , “Chimie Ecologică”, îndrumar de laborator pentru studenți, Editura Universității de Stat din Chișinău, Republica Moldova, 1996, 140 pagini.	140 pagini	4 autori	10.50
4. Suporturi electronice de curs la disciplinele:			
2007-prezent: Biotehnologii (Chimie, anul III BT)			10
2011-2014: Chimie Ecologică (Chimie, master)			10
2014-2015: Chimie Ecologică (Fizică, master Științe)			10
2013-2014: Ecologie Generală (Chimie, master didactica)			10
2014-2015: Chimie Alimentară (Chimie, master)			10
2012-2014: Chimie Generală (Chimie, anul I)			10
2012-2013: Managementul Cercetării Științifice (Chimie, master)			10
2009-2010: Catalizatori și procese catalitice avansate/curate (Chimie, master)			10
2009-2011: Procese Catalitice Avansate/Curate (Chimie, master)			10
1998-2006: Procese Catalitice (Chimie, anul IV)			10
TOTAL CRITERIUL II			<b>340.30</b>
TOTAL CRITERIILE I + II			<b>5733.38</b>