



<b>Europass Curriculum vitae</b>			
<b>Personal information</b>			
First name/Surname	<b>Opris Cristina Madalina</b>		
Address	7, M. Kogalniceanu, Valenii de Munte, Prahova		
Telephone	-	Mobile:	0765243227
E-mail	cristina_opris88@yahoo.com		
Naționality	Romanian		
Date of birth	17.07.1988		
Gender	female		
<b>Work experience</b>	Research Assistant		
Dates	2012 - present		
Occupation or position held	Research Assistant		
Main activities and responsibilities	Synthesis and characterisation of catalysts Catalytic tests Processing and interpretation of experimental results		
Name and address of employer	University of Bucharest, Faculty of Chemistry, Department of Organic Chemistry, Biochemistry and Catalysis, Catalysis and Catalytic Processes Research Centre 4-12 Regina Elisabeta Bd., Bucharest 030018-Romania		
<b>Education and training</b>			
Dates	2012 - present		
Title of qualification awarded	PhD studies – Field of studies: Catalysis		

Name and type of organisation providing education	University of Bucharest, Faculty of Chemistry				
Level in national or international classification	Level 5 – University education				
Dates	2010-2012				
Title of qualification awarded	Master studies – Field of studies: Environmental Science, Program of study: Chemical Pollution of the Environment, Faculty of Chemistry, University of Bucharest				
Name and type of organisation providing education	University of Bucharest, Faculty of Chemistry				
Level in national or international classification	Level 5 – University education				
Dates	2007-2010				
Title of qualification awarded	Bachelor of Science in Environmental Science, Field of studies: Environmental Science, Program of study: Environmental Chemistry, Faculty of Chemistry, University of Bucharest				
Name and type of organisation providing education	University of Bucharest, Faculty of Chemistry				
Level in national or international classification	Level 5 – University education				
<b>Personal skills and competences</b>					
Mother tongue	<b>romanian</b>				
Other language					
Self-assessment	<b>Understanding</b>		<b>Speaking</b>		<b>Writing</b>
<i>European level (*)</i>	Listening	Reading	Spoken interaction	Spoken production	

<b>English language</b>	B1	Independently user	B2	Independently user	A2	Elementary user	A2	Elementary user	B1	Independently user
<b>French language</b>	B1	Independently user	B2	Independently user	A2	Elementary user	A2	Elementary user	B1	Independently user
<i>(*) Common European Framework of Reference for Languages</i>										
<b>Organisational skills and competences</b>	Organisation of my research work- acquired in the practical realisation of under license and master degrees, as well as within the activities as research assistant.									
<b>Technical skills and competences</b>	Ability to work with equipment in chemistry laboratory (GC-MS, GPC, HPLC, XRD, Raman)- acquired in research activities									
<b>Social skills and competences</b>	Ability to communicate, team spirit, desire to learn – acquired by working in a research team									
<b>Computer skills and competences</b>	Utilisation of MS Office, Internet – acquired by working on computer									
<b>Published articles</b>	<p>“Lignin Fragmentation onto Multifunctional Fe<sub>3</sub>O<sub>4</sub>@Nb<sub>2</sub>O<sub>5</sub>@Co@Re Catalysts: The Role of the Composition and Deposition Route of Rhenium”, C. Opris, B. Cojocaru, N. Gheorghe, M. Tudorache, S. M. Coman, V. I. Parvulescu, B. Duraki, F. Keumeich, J. A. van Bokhoven, ACS Catalysis, 2017, 7, 3257–3267;</p> <p>“Peroxidase-based oxi-polymerization of monolignols”, C. Opris, N.Amanov, M. Tudorache, V.Parvulescu, submitted to Comptes rendus chimie (2017);</p> <p>“Lignin fragmentation over magnetically recyclable composite Co@Nb<sub>2</sub>O<sub>5</sub>@Fe<sub>3</sub>O<sub>4</sub> catalysts”, C. Opris, B. Cojocaru, N. Gheorghe, Cr. Teodorescu, M. Tudorache, S.M. Coman, L. Tanase, V.I. Parvulescu, B. Duraki, F. Krumeich, J.A. van Bokhoven, Journal of Catalysis 2016, 339, 209–227;</p>									

	<p>"New multicomponent catalysts for the selective aerobic oxidative condensation of benzylamine to N-benzylidenebenzylamine", C. M. Opris, O. D. Pavel, A. Moragues, J. El Haskourib, D. Beltrán, P. Amorós, M. D. Marcos, L. E. Stoflea and V. I. Parvulescu, Catal. Sci. Technol., 2014, 4, 4340;</p>
Conferences	<p>"Co@Nb<sub>2</sub>O<sub>5</sub>@Fe<sub>3</sub>O<sub>4</sub> as efficient magnetic recyclable composite catalyst for the fragmentation of lignin", V. Parvulescu, M. Tudorache, C. Opris, 3<sup>rd</sup> Workshop Lignoal, 27-28 martie 2017, Torremolinos, Spain;</p> <p>"Superparamagnetic Core Shell Catalysts for the Environmental Production of Fuels from Renewable Lignin", C. Opris, B. Cojocaru, M. Tudorache, S. M. Coman, V. I. Parvulescu, C. Bala, B. Duraki, J. A. Van Bokhoven, 18th International Conference on Renewable Energy and Environment, Bali, Indonesia, 13-14 October, 2016;</p> <p>"Design artificial lignin composites with predictable properties based on peroxidase biocatalysis of the lignin-residues", M. Tudorache, C. Opris, N. Amanov, M. Alcalde, M. Irimia-Vladu, V. I. Parvulescu, IUPAC Green Chemistry, Venice, Italy, 4-8 September, 2016;</p> <p>"Production of artificial lignin fragments with predictable properties using oxy-polymerization process assisted by peroxidase enzyme", M. Tudorache, C. Opris, N. Amanov, M. Alcalde, M. Irimia-Vladu, V. I. Parvulescu, Biocat, Hamburg, Germane, 29 August - 1 September, 2016;</p> <p>"Biocatalytic polymerization of the lignin residues for tunable biocomposites production", M. Tudorache, C. Opris, M. Alcade, M. Irimia-Vladu, V. I. Parvulescu, International Conference on Green Chemistry and Sustainable Engineering Rome (Italy), 20-22 July 2016;</p> <p>"Production of lignin biomaterials - oxy-polymerization of the lignin residues using peroxidase", M. Tudorache, C. Opris, N. Amanov, M. Alcalde, M. Irimia-Vladu, V. I. Parvulescu, OxyZyme, Wageningen, Netherland, 3-6 July, 2016;</p>

	<p>"Tuning the bio-polymer properties based on the lignin residues and biocatalytic process", M. Tudorache, C. Opris, N. Amanov, M. Alcalde, M. Irimia-Vladu, S. M. Coman, V. I. Parvulescu, 12th International Conference on Renewable Resources and Biorefineries, Gent, Belgium, 30-31 May &amp; 1 June, 2016;</p>
	<p>"Biocatalytic polymerization of the lignin residues for tunable biocomposites production", M. Tudorache, C. Opris, M. Alcalde, M. Irimia-Vladu, V. I. Parvulescu, FCCat 1, Frejus, France, 23-27 May, 2016;</p>
	<p>"Lignin fragmentation over Re@Co@Nb<sub>2</sub>O<sub>5</sub>@Fe<sub>3</sub>O<sub>4</sub> catalysts", C. M. Opris, M. Tudorache, B. Cojocaru, V. I. Parvulescu, The 11th International Symposium of the Romanian Catalysis Society, Timisoara, 6-8.06.2016;</p>
	<p>"Combination of metal active species and acidic supports in synthesis of catalysts effectives for lignin fragmentation", C. Opris, V. I. Parvulescu, 3rd Seminar for French speaking PhD students, Belgrad, 10-12.05.2016;</p>
	<p>"Catalytic conversion of lignin into add-value products", C. Opris, V. I. Parvulescu, 2nd Seminar for French speaking PhD students, Bucuresti, 20-24.04.2016;</p>
	<p>"Catalytic conversion of lignin into add-value products", C. Opris, V.I. Parvulescu, 1st Seminar for French speaking PhD students, Ircelyon, 25-27.01.2016;.</p>
	<p>„Catalytic hydrogenolysis of lignin to add-value products”, C. Opris, M. Tudorache, V. I. Parvulescu in cadrul FP1306 COST Action, Lignoal, Joint WG &amp;WG2 Meeting, University of Bucharest, Bucuresti, 21-22 Septembrie 2015;</p>
	<p>"New catalysts for conversion of lignin to add-value products", C. Opris, M. Tudorache, V. I. Parvulescu, The 8th International Conference on Advances materials, ROCAM 2015, held under the auspices of Academy of Romanian Scientists, 7.07.2015 – 10.07.2015, Bucuresti, România;</p>

	<p>"Valorisation of lignocellulosic biomass side streams for sustainable production of chemicals, materials &amp; fuels using low environmental impact technologies", C. Opris, M. Tudorache, V.I. Parvulescu, 1<sup>st</sup> Summer School on Green Chemistry, in parallel with the 3rd International Symposium on Green Chemistry, La Rochelle, France, May 5-7th, 2015;</p>
	<p>"Conversia catalitica a ligninei in compusi cu valoare adaugata", C. Opris, V. I. Parvulescu, Sesiunea de comunicari stiintifice a Scolii Doctorale in Chimie - 14 iunie 2014, Bucuresti;</p>
	<p>"New multicomponent catalysts for the selective aerobic oxidative condensation of benzylamines to N-benzylidenbenzilimine", A. Moragues, J. El Haskourib, P. Amorós, C. M. Opris, V. I. Parvulescu, 7th World Congress on Oxidation Catalysis (7WCOC), Saint Louis, Missouri, USA, iunie 2013;</p>
	<p>"New catalysts for valorification of lignin", C. M. Opris, V. I. Parvulescu, The International Symposium of the Romanian Catalysis Society, Cluj-Napoca, Romania, mai 2013;</p>
<p>Projects participation</p>	<p>nr. 14227/2013, Title: "New catalytic route from biomass waste to fuel", international cooperation RO-Swiss (RSRP), director Vasile I. Parvulescu;</p> <p>nr. 246461/2011, Title: " Innovative Synthesis in Continuous-Flow Processes for Sustainable Chemical Production", international cooperation, director prof. Vasile I. Parvulescu;</p> <p>nr. 275/2011, Title: "Heterogeneous catalytic synthesis of amine derivatives by N-C coupling and coupling reactions", national project, director prof. Vasile I. Parvulescu;</p> <p>nr. 9/2012, Title: "Design of organic connectors usable in building metal-organic networks - to improve control over porous architecture and active catalytic sites", national project, director prof. Marius Andruh</p>