



FORM NUM: 500.1.03

Academic Personnel Short Profile / Short CV

University:	University of Nicosia
Surname:	Christou Y.
Name:	Stavroula
Rank/Position:	Adjunct Faculty
Faculty:	Life and Health Sciences
Department:	Health Sciences
Scientific Domain: *	Chemistry

** Field of Specialization*

Academic qualifications (list by highest qualification)				
Qualification	Year	Awarding Institution	Department	Thesis title (Optional Entry)
PhD	2006	University of Cyprus	Chemistry	Investigation of the OSC Phenomenon and Regeneration of Commercial TWCs
MSc	2003	University of Cyprus	Chemistry	Environmental Catalysis
MSc	2001	National Technical University of Athens	Chemical Engineering	Solid State Polymerization for the Production of Nylon-6,6
BSc	2001	National Technical University of Athens	Chemical Engineering	Materials Chemistry
PhD	2006	University of Cyprus	Chemistry	Investigation of the OSC Phenomenon and Regeneration of Commercial TWCs



Employment history in Academic Institutions/Research Centers – List by the three (3) most recent

Period of employment		Employer	Location	Position
From	To			
September 2014	Present	University of Nicosia	Nicosia, Cyprus	Adjunct Faculty
September 2013	June 2014	Frederick University	Nicosia, Cyprus	Adjunct Faculty
December 2011	January 2013	Ministry of Labour, Welfare and Social Insurance	Nicosia, Cyprus	Labour Inspection Officer
September 2008	June 2010	University of Nicosia	Nicosia, Cyprus	Adjunct Lecturer
April 2006	November 2011	University of Cyprus	Nicosia, Cyprus	Post-doctoral Research Fellow

Key refereed journal papers, monographs, books, conference publications etc. List the five (5) more recent and other five (5) selected –(max total 10)

Ref. Number	Year	Title	Other authors	Journal and Publisher / Conference	Vol.	Pages
1	2013	Chapter 03: Investigation of the Oxygen Storage and Release Kinetics of Model and Commercial Three-Way Catalytic Materials by Transient Techniques	Efstathiou, A.M., and Christou, S.Y.	Catalysis by Ceria and Related Materials	Vol. 12/ 978-1-84816-963-0	139-221
2	2013	The Effects of P-Poisoning of $Ce_xZr_{1-x}O_2$ on the Transient Oxygen Storage and Release Kinetics	Christou, S.Y., and Efstathiou, A.M.	Topics in Catalysis	Vol. 56	232-238
3	2013	Regeneration of Aged Commercial Three-Way Catalysts Using Cl-containing Reagents	Christou, S.Y., and Efstathiou, A.M.	Topics in Catalysis	Vol. 56	255-260
4	2012	Deactivation of Pd/Ce _{0.5} Zr _{0.5} O ₂ Model Three-Way Catalyst by P, Ca and Zn Deposition	Christou, S.Y., García-Rodríguez, S., Fierro, J.L.G., Efstathiou, A.M.	Applied Catalysis B: Environmental	Vol. 111-112	233-245
5	2011	Suppression of the Oxygen Storage and Release Kinetics in Ce _{0.5} Zr _{0.5} O ₂ Induced by P, Ca and Zn Chemical Poisoning	Christou, S.Y., Álvarez-Galván, M.C., Fierro, J.L.G., Efstathiou, A.M.	Applied Catalysis B: Environmental	Vol. 106	103-113
6	2009	Regeneration of Aged Commercial Three-Way Catalytic Converters	Christou, S.Y., Gåsste, J., Karlsson, H.L., Fierro, J.L.G., Efstathiou, A.M.	Topics in Catalysis	Vol. 52	2029-2034
7	2007	Reactivation of Severely Aged Commercial Three-Way	Christou, S.Y., Birgersson, H., Efstathiou, A.M.	Applied Catalysis B: Environmental	Vol. 71	185-198



		Catalysts by Washing with Weak EDTA and Oxalic Acid Solutions				
8	2007	Efficient In-Situ Regeneration Method of the Catalytic Activity of Aged TWC	Christou, S.Y., and Efstathiou, A.M.	Topics in Catalysis	Vol. 42-43	415-419
9	2006	Reactivation of an Aged Commercial Three-Way Catalyst by Oxalic and Citric Acid Washing	Christou, S.Y., and Efstathiou, A.M.	Environmental Science & Technology	Vol. 40	2030-2036
10	2004	A Two-Step Reaction Mechanism of Oxygen Release from Pd/CeO ₂ : Mathematical Modeling Based on Step Gas Concentration Experiments	Christou, S.Y., Costa, C.N., Efstathiou, A.M.	Topics in Catalysis	Vol. 30-31	325-332

Research Projects. List the five (5) more recent and other five (5) selected (max total 10)

Ref. Number	Date	Title	Funded by	Project Role*
1	01/01/09-30/11/11	Development of a New Regeneration Method for Expanding the Life-Cycle of Deactivated Automotive Catalysts (DIDAKTOR/DISEK/308/33)	Cyprus Research Promotion Foundation	Research Fellow
2	01/03/08-31/03/10	Processing of Biomass Gasification (BIOGAS/ CY-RO/ 0407)	Cyprus Research Promotion Foundation	Research Fellow



3	01/01/08-31/12/09	Dynamic Oxygen Storage and Release Properties of Ce- and Zr-Based Products	MEL Chemicals/MEI Company	Research Fellow
4	01/05/06-31/12/08	Mobile Laboratory for Environmental Pollution Measurements and Emission Control Systems Evaluation (MOBILAB)	Interreg III, Archimed, European Union	Research Fellow
5	01/06/04-30/06/07	Regeneration of Three-Way Commercial Catalytic Converters (ATKA/ TEXNO 0603/09)	Cyprus Research Promotion Foundation	Research Fellow
6	01/09/01-31/01/04	Improvement of the Ceramic Substrate of Three-Way Catalysts to Develop a Regeneration and/or Reactivation Procedure Of Used Catalyst (G5RD-CT-2000-00376)	European Union	Research Fellow
7	01/01/09-30/11/11	Development of a New Regeneration Method for Expanding the Life-Cycle of Deactivated Automotive Catalysts (DIDAKTOR/DISEK/308/33)	Cyprus Research Promotion Foundation	Research Fellow
8	01/03/08-31/03/10	Processing of Biomass Gasification (BIOGAS/ CY-RO/ 0407)	Cyprus Research Promotion Foundation	Research Fellow
9	01/01/08-31/12/09	Dynamic Oxygen Storage and Release Properties of Ce- and Zr-Based Products	MEL Chemicals/MEI Company	Research Fellow
10	01/05/06-31/12/08	Mobile Laboratory for Environmental Pollution Measurements and Emission Control Systems Evaluation (MOBILAB)	Interreg III, Archimed, European Union	Research Fellow

**Project Role: i.e. Scientific/Project Coordinator, Research Team Member, Researcher, Assistant Researcher, other*



**Academic Consulting Services and/or Participation in Councils / Boards/ Editorial Committees.
List the five (5) more recent (Optional Entry)**

Ref. Number	Period	Organization	Title of Position or Service	Key Activities
1	today	ETEK	Member	
2	2006-today	PUC	Member	



**Awards / International Recognition (where applicable). List the five (5) more recent and other five (5) selected.
(max total 10) (Optional Entry)**

Ref. Number	Date	Title	Awarded by:
1	2008-2011	First Place with the highest score in thematic category among more than 30 competitors for Post-doctoral Research Funding ("Development of a New Regeneration Method for Expanding the Life-Cycle of Deactivated Automotive Catalysts" DIDAKTOR project)	Research Promotion Foundation
2	2006	First Award for Heterogeneous Catalysis Lab Research Team for its successful participation in the Program "Growth" (5 th FP, EU) through the REGENCATS project	Research Promotion Foundation
3	2001-2006	PhD Research Funding	EU ("Growth", 5 th FP), Research Promotion Foundation, University of Cyprus
4	1996-2001	Full Scholarship for Undergraduate Studies	Beneficent Union of G. & M. Tirimou