



### Academic Personnel Short Profile / Short CV

<b>University:</b>	University of Nicosia
<b>Surname:</b>	Christou
<b>Name:</b>	Stavroula
<b>Rank/Position:</b>	Adjunct Faculty
<b>Faculty:</b>	School of Life and Health Sciences
<b>Department:</b>	Pharmacy Programme, Department of Health Sciences
<b>Scientific Domain: *</b>	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	Basic Studies for Understanding the Phenomenon of Oxygen Storage in Catalysts
MSc	2003	University of Cyprus	Chemistry	Heterogeneous Catalysis
MSc	2001	National Technical University of Athens	Chemical Engineering	Solid State Polymerization
BSc	2001	National Technical University of Athens	Chemical Engineering	Material Chemistry



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

Period of employment		Employer	Location	Position
From	To			
2014	Today	University of Nicosia	Nicosia, Cyprus	Adjunct Faculty
2013	2014	Frederick University	Nicosia, Cyprus	Adjunct Faculty
2011	2013	Department of Labour Inspection	Nicosia, Cyprus	Labour Inspector
2008	2010	University of Nicosia	Nicosia, Cyprus	Adjunct Faculty
2006	2011	University of Cyprus	Nicosia, Cyprus	Postdoctoral 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	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 <sub>0.5</sub> Zr <sub>0.5</sub> O <sub>2</sub> 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 <sub>0.5</sub> Zr <sub>0.5</sub> O <sub>2</sub> 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 Catalysts by Washing with Weak EDTA and Oxalic Acid Solutions	Christou, S.Y., Birgersson, H., Efstathiou, A.M.	Applied Catalysis B: Environmental	Vol. 71	185-198
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 <sub>2</sub> : 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	Ανάπτυξη Νέας Μεθόδου Αναγέννησης για την Επέκταση του Κύκλου Ζωής Απενεργοποιημένων Καταλυτών Αυτοκινήτων (ΔΙΔΑΚΤΩΡ/ΔΙΣΕΚ/308/33)	Research & Innovation Foundation	Researcher
2	01/03/08-31/03/10	Processing of Biomass Gasification (BIOGAS/ CY-RO/ 0407)	Research & Innovation Foundation	Researcher
3	01/01/08-31/12/09	Dynamic Oxygen Storage and Release Properties of Ce- and Zr-Based Products	MEL Chemicals/MEI Company	Researcher
4	01/05/06-31/12/08	Mobile Laboratory for Environmental Pollution Measurements and Emission Control Systems Evaluation (MOBILAB)	Interreg III, Archimed, European Union	Researcher
5	01/06/04-30/06/07	Αναγέννηση Εμπορικών Τριοδικών Καταλυτών Αυτοκινήτων (ΑΤΚΑ/ ΤΕΧΝΟ 0603/09)	Research & Innovation Foundation	Researcher
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	Researcher

\*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	2011-Today	Cyprus Scientific and Technical Chamber (ETEK)	Member	
2	2006- Today	PEEX	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 the thematic category among 30 candidates for postdoctoral research funding ("Development of a New Regeneration Method for Expanding the Life-Cycle of Deactivated Automotive Catalysts" DIDAKTOR project)	Research & Innovation Foundation
2	2006	First award for the successful participation of the Heterogeneous Catalysis Laboratory team in the research program REGENCATS ("Growth" 5 <sup>th</sup> FP, EU) thro	Research & Innovation Foundation
3	2001-2006	Scholarship for postgraduate studies	EU ("Growth", 5 <sup>th</sup> FP), Research & Innovation Foundation, University of Cyprus
4	1996-2001	Scholarship for undergraduate studies	Γ.&Μ. Τυρίμου Foundation