CURRICULUM VITAE

DRAGOS MIHAEL CIUPARU
dciuparu@upg-ploiesti.ro
B-dul Bucureşti 39, 100680 Ploieşti, Romania

Professional Experience

2006 –	Professor, Department of Petroleum Processing and Environmental Protection, Petrol – Gaze University, Ploieşti, Romania.
2013 – 2015	High level advisor to the Minister of Education within the framework of the European Union High Level Policy Advice Mission to the Republic of Moldova.
2010 – 2012	Vice-President (April – September, 2010) and President (since September, 2010) of the National Authority for Scientific Research, Romania.
2008 – 2010	Vice-Rector responsible with academic affairs of the Petrol – Gaze University of Ploieşti, Romania.
2005 – 2008	Visiting Professor, Department of Chemical Engineering, Yale University.
2005 – 2006	Associate Professor, Department of Petroleum Processing and Petrochemistry, Petrol – Gaze University, Ploieşti, Romania.
2001 – 2005	Associate Research Scientist/Lecturer, Department of Chemical Engineering, Yale University: - accomplished the first synthesis ever of pure boron single wall nanotubes (http://pubs.acs.org/cen/coverstory/83/8335inorganic.html), - designed and conducted research on synthesis of controlled diameter carbon nanotubes, gallium nitride nanowires, nanotubes and nanodots, and on methane combustion on PdO-based catalysts, - taught Chemical Reaction Engineering and Chemical Kinetics courses at the Graduate School of Arts and Sciences - conducted research projects of undergraduate and graduate students.
1999 – 2001	Postdoctoral Research Associate, Department of Chemical Engineering, Yale University: - designed and performed research on catalysts for automotive exhaust gas treatment and methane combustion.
1996 – 1999	Lecturer, Department of Petroleum Technology and Petrochemistry, Petrol – Gaze University, Ploieşti, Romania: - taught undergraduate courses on Catalysis and industrial catalysts, Thermal and catalytic processing in petroleum refining and Computer assisted process design in chemical engineering - designed and conducted research studies on catalysts for the petroleum processing industry and soil and ground water pollution with petroleum products - advised senior research and diploma projects.

1991 – 1996 Teaching and Research Assistant, Petrol – Gaze University, Ploieşti, Romania:
- taught undergraduate laboratory courses
- performed research studies on catalysts for the petroleum processing industry.

Education

1996 – 1999 PhD in Surfaces and Interfaces, Materials in Evolution, University Paris 7 – Denis Diderot, Paris, France. Thesis: "Preparation, Characterization and Reactivity of Palladium Catalysts Supported on Basic Oxides", mention "Tres honorable" Advisor: Professor Francois Bozon-Verduraz.

1991 BS in Chemical Engineering, Petrol – Gaze University, Romania, GPA 9.49/10

Grants as Principal Investigator

2006 – 2008 Awarded the Excellence Research grant "Regenerable feedstocks for manufacturing lubricating oils" by the Romanian Ministry of Education and Research (MEdC).

2005 – 2007 Awarded the Excellence Research grant "Nanostructured Materials for Studies in Catalysis." by the Romanian Ministry of Education and Research (MEdC).

2003 – 2006 Awarded the US-EPA grant "Electrocatalysis for Environmentally Friendly Energy Production Systems."

2003 – 2004 Awarded the NSF-SGER "Templated Synthesis of Boron Nanostructures."

Fellowships

1999 Awarded a one-month PHARE – Tempus research fellowship.
1996 – 1998 Awarded the PhD fellowship of the French Ministry of Education, Research and Technology.

Membership of Professional Bodies

Sigma Xi member
Member of the North American Catalysis Society
Member of the American Chemical Society
Member of the AIChE

Representative Publications

Matei, F.; Jimenez-Borja, C. ; Canales-Vazquez, J . ; Brosda, S.; Dorado, F.; Valverde, J.L.; **Ciuparu, D.** "Enhanced electropromotion of methane combustion on palladium catalysts deposited on highly porous supports", *Applied Catalysis B-Environmental*, **132** (2013), 80-89.

Schwartz, W. R.; **Ciuparu, D.**; Pfefferle, L. D. "Combustion of Methane over Palladium-Based Catalysts: Catalytic Deactivation and Role of the Support.", *Journal of Physical Chemistry C*, **116** (2012), 8587.

D. Ciuparu, A. Ensuque, F. Bozon-Verduraz, "Pd catalysts supported on MgO, ZrO_2 or MgO-ZrO_2: Preparation, characterization and study in hexane conversion", *Applied Catalysis A: General*, **326**(2) (2007), 130-142.

D. Ciuparu, P. Haider, M. Fernández-García, Y. Chen, S. Lim, G. Haller, L. Pfefferle, "X-Ray absorption spectroscopic investigation of partially reduced cobalt species in Co-

MCM-41 catalysts during synthesis of single wall carbon nanotubes", *Journal of Physical Chemistry B*, **109**(34) (2005) 16332.

P. Haider, Y. Chen, S. Lim, G. Haller, L. Pfefferle and **D. Ciuparu**, "Application of the generalized 2D correlation analysis to dynamic near edge X-ray absorption spectroscopy data", *Journal of the American Chemical Society*, **127**(6) (2005), 1906.

D. Ciuparu, R.F. Klie, Y. Zhu and L. Pfefferle, "Synthesis of Pure Boron Single-Wall Nanotubes", *Journal of Physical Chemistry B*, **108**(13) (2004), 3967.

D. Ciuparu, Y. Chen, S. Lim, G.L. Haller and L. Pfefferle, "Uniform-Diameter Single-Walled Carbon Nanotubes Catalytically Grown in Cobalt-Incorporated MCM-41", *Journal of Physical Chemistry B*, **108**(2) (2004), 503.