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South – Lebanon
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E.mail : srou_r_mah@hotmail.com

Nationality : Lebanese.
Date and place of birth : 02/03/1967 at Aita Alchaeb/ Lebanon
Marier

ACADEMIC QUALIFICATION

- * 1984 : Bacc 1 : Scientific (official school of Remeich – Lebanon)
- * 1985 : Bacc 2 : Mathematics (official school of Remeich – Lebanon)
- *1986–1990 : Physics diploma, Faculty of Science, Lebanese University, Beirut
 - Optical physics
 - Relativistic physics
 - Quantum mechanics
 - Nuclear physics
 - Thermodynamics
 - Electronics...
- *1995 : Diplôme d'Etudes Approfondies (D.E.A) : engineering process
 - Interfacial and Capillarity phenomena
 - Treatment of surfaces et Coating
 - Defect of solids
 - Experimental planes
 - Proceeding analysis
 - Treatment discharge liquids
 - Electrochemical genius...
- *1999 : Doctorate in physical Sciences and Electrochemistry

The title of thesis : “Electrochemical study of platinum alloys used in fuel cells”(under the supervision of Professor. R. Durand).

SCIENTIFIC PUBLICATIONS

REPORT OF TRAINIG IN THE STUDY OF (D.E.A)

M.SROUR (September 1995) : Electrochemical insertion of hydrogen in the metal in the case of change of phase

THESIS

M.SROUR (29 April 99) : “Electrochemical study of platinum alloys used in fuel cells”

PUBLICATIONS :

- PIERRE MILLET, MAHMOUD.SROUR, RENÉ FAURE AND ROBERT DURAND :
A study of the hydrogen absorption and desorption reactions in palladium electrodes using the potential step method. Electrochemistry communications; 3 (2001) 478 482

- Jalal Dweik, Mahmoud Srour, Khalid Karaki, Marwan Kobeissi, Wissam Joumaa, Kalil Abou-Saleh: *Molecular Simulation of Iron Transport at the Water/Vapor Interface*. *Open Journal of Physical Chemistry*, 2012, 2, 147-155.

- Jalal Dweik, Mahmoud Srour, Mohamad Tawbe, Kalil Abou-Saleh: *Surface on ions Distributions in Nanoporous Media, a Molecular Dynamics Study*. *International Journal on Advanced Materials and Technologies (I.R.E.A.M.T)*, Vol. 1, N.4 July 2013.

- Jalal Dweik, Mahmoud Srour, Mohamad Tawbe, Kalil Abou-Saleh: *Solving Microscale Heterogeneous Matrix Diffusion Based on Two and Three-Dimensional Computing Using X-ray Tomography Image Data*. *International Review of Physics (I.RE.PHY.)* Vol.9, N.3 June 2015.

PATENT

O.ANTOINE,R.DURAND,L.GENIES,M.SROUR : *Process of preparation of porous electrodes for gas consumption.*, France Patent 99-01290 (RENAULT-PSA) puted the 4 Feb 99

COMMUNICATIONS and CONFERENCES

- R.DURAND, M.SROUR, N.ADHOUM, D.ABERDAM, Y.JOLY : *H Absorption/Desorption Transients with Phase Change*, *Electrochem.Soc.Meet.*, Montréal, Mai 1997 (Orale)

- R.DURAND, M.SROUR, D.ABERDAM, Y.JOLY, *Modèles d'insertion avec changement de phase, exemple de l'hydruration électrochimique*, Groupe français des composés d'insertion, Font-Romeu, Mars 1998 (Orale)

- R.DURAND, O.ANTOINE, L.GENIES and M.SROUR : *Preparations and Properties of Platinum Nanoparticles for Catalysis and electrocatalysis*, Euroconference on nanocrystallisation, Grenoble, Avril 1998 (Orale invitée)

- M.SROUR, R.FAURE, R.DURAND, M.VERON : *Cathode des piles à combustible à membrane : catalyse de la réduction de O₂*, Journées d'étude Piles à combustible, Paris, Février 99 (Affiche , Actes)

- S.ALBANI, M.SROUR, RDURAND, K.TOUSIMI, R.YAVARI, V.LOGIE, G.MAIRE : *Anode de pile à combustible à membrane : catalyseurs d'oxydation de H₂ peu sensibles au CO*, Journées d'étude Piles à combustible, Paris, Fév.99 (Orale, Actes)

- O.ANTOINE, M.SROUR, S.ADORA and R.DURAND, *PEMFC Electrode preparations by in situ electrochemical or chemical deposition of Pt nanoparticles*, 3rd Int.Symp. New Materials for Electrochemical Systems, Montreal, début Juillet 99 (Orale)

- M.SROUR, R.FAURE and R.DURAND, *Electrochemical reduction of O₂ on Pt Bulk alloys and nanoparticles inside Nafion or acidic solutions*, 50th Int.Soc.Electrochem.Meet., Pavia (Italie), Sept.1999 (Orale invitée)

REPORTS OF CONTRACT

Participation of reports of RENAULT contract (European contract of HYDROGEN for the fuell cell of electrical vehicles), December 96, June 97, December 97 et June 98.

TEACHING EXPERIENCE

*1990–1993 :

Teacher of physics and mathematics in the official secondary school of Aita-Alchaeb and Machgarah (Lebanon)

***2000-2001 :**

- . Lecturer in the Lebanese University “faculty of sciences, section El-Nabatiyeh” :
 - Mechanics and optics
 - Electricity
- . Teacher of the secondary classes in the school of Mohammed Saad (El – Abbassiyeh)

***2001-2002 :**

- . Lecturer in the Lebanese University “faculty of science, section El-Nabatiyeh”:
 - Fluid and thermodynamics
 - Electricity
 - TP mechanics + electricity
- . Teacher of the secondary classes in the school El-Moustapha “ El-Nabatiyeh ”

***2002-2003 :**

- . Lecturer in the Lebanese University “faculty of science, section El-Nabatiyeh”:
 - Fluid and thermodynamics
 - Electricity
 - TP mechanics + electricity
- . Lecturer in the Institute of Technological University in Jwayya
 - General physics for the 1st years “Medical analysis : Laboratory”
- . Lecturer in the University of Kaslik (Usek) / Rmeich :
 - General mechanics
 - Electronics

***2003-2004 :**

- . Lecturer in the Lebanese University “faculty of science, section El-Nabatiyeh”:
 - Fluid and thermodynamics
 - Electricity
 - TP mechanics + electricity
- . Lecturer in the Institute of Technological University / Jwayya
 - General physics for the 1st years “Medical analysis : Laboratory”
 - General physics for the 2nd years “Medical analysis : Laboratory”

***2004-2005 :**

- . Lecturer in the Lebanese University “faculty of science, section El-Nabatiyeh”:
 - Fluid and thermodynamics
 - Electricity
 - TP mechanics + electricity
- . Lecturer in the Institute of Technological University / Jwayya
 - General physics for the 2nd years “Medical analysis : Laboratory”
- . Lecturer in the Islamic University in Lebanon – Kaldeh- “faculty of Engineering”
 - Mechanics-1 (Kinematics + Dynamics + Statics)

***2005-2006 :**

- . Lecturer in the Lebanese University “faculty of science, section El-Nabatiyeh”:
 - Fluid and thermodynamics
 - Electricity
 - Electronics
 - TP mechanics + electricity
- . Lecturer in the Islamic University in Lebanon – Kaldeh- “faculty of Engineering”
 - Mechanics-I (Kinematics + Dynamics + Statics)
 - Mechanics-II (Motors – Kinematics of solids – Euler's angles....)

***2006-2011 :**

- . Lecturer in the Lebanese University “faculty of science, section El-Nabatiyeh”:
 - Fluid and thermodynamics
 - Electricity
 - TP mechanics + electricity) + optics
- . Lecturer in the Islamic University in Lebanon – Kaldeh- “faculty of Engineering”
 - Mechanics-I (Kinematics + Dynamics + Statics)
 - Mechanics-II (Motors – Kinematics of solids – Euler's angles....)

***2011-2013 :**

- . Lecturer in the Lebanese University “faculty of science, section El-Nabatiyeh”:
 - Fluid and thermodynamics for the first year
 - Thermodynamics for the third year
 - TP mechanics + electricity) + optics
- . Lecturer in the Islamic University in Lebanon – Kaldeh- “faculty of Engineering”
 - Mechanics-I (Kinematics + Dynamics + Statics)
 - Mechanics-II (Motors – Kinematics of solids – Euler's angles....)

***2012-2015 :**

"Director of the faculty of sciences - Nabatiyeh south lebanon"

***2014-2021:**

- . Lecturer in the Lebanese University “faculty of science, section El-Nabatiyeh”:
 - Fluid and thermodynamics for the first year
 - Thermodynamics for the third year
 - TP (mechanics + electricity + optics)

LANGUAGES

- Arab : maternal language
 - French : Bilingual
 - English : Without problem.
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