

## CURRICULUM VITAE

of

Shimaa Muhammad Mahmoud Ali

OBJCTIVE	I am willing to give total support to faculty of science, Cairo university, with the experience and capability that I have, in order to achieve the university's goals and create mutual benefits.
EDUCTION	<ul style="list-style-type: none"><li>• Ph.D. of physical chemistry and materials science, Cairo university, 2010</li><li>• Master of physical chemistry and materials science, Cairo university, 2006</li><li>• B.Sc. of chemistry, faculty of science, Cairo university 2003 (accumulating grade: very good 83%)</li></ul>
SKILLS	<p>Computer Skills:</p> <ul style="list-style-type: none"><li>▪ Very good knowledge of Microsoft Office</li><li>▪ Very good user of many scientific programs such as Sigma plot, Origin, MathCAD and SPSS.</li><li>▪ Advanced user of internet</li></ul> <p>Language Skills:</p> <ul style="list-style-type: none"><li>▪ Native language Arabic</li><li>▪ Fluent command of both written and spoken English</li><li>▪ Fair command in French and Germany</li></ul>
WORK EXPERIENCE	<ul style="list-style-type: none"><li>• Lecturer in Cairo university, faculty of science, chemistry department from march 2010- till now.</li><li>• Assistant lecturer in Cairo university, faculty of science, chemistry department from 2006-2009.</li><li>• Teaching assistant in Cairo university, faculty of science, chemistry department from 2003-2006.</li></ul>

INTERSETS	<ul style="list-style-type: none"> <li>• Scientific interest in the areas of nanotechnology and material science, energy production and fuel cells, catalysis, conducting polymers electrochemistry.</li> </ul>
INSTRUMENTAL TRAINING EXPERIENCES	<ul style="list-style-type: none"> <li>• Working with Electrochemical Analyzer, BAS instruments.</li> <li>• Working with Electrochemical Impedance Spectroscopy (EIS), Gamry Instruments.</li> <li>• Training on IR, UV, NMR, mass spectroscopy techniques besides HPLC and GC chromatographic techniques in the micro-analytical center, faculty of science, Cairo University.</li> <li>• Familiar with, Scanning Electron Microscope (SEM), Scanning Probe Microscope (SPM), and X-ray Diffraction (XRD)</li> </ul>
CONFERENCE PARTICIPATION	<ul style="list-style-type: none"> <li>• Fifth International Conference of Cairo University, Dec, 23, 2009.</li> <li>• Participated in the organization of the international biannual conference on chemistry March 2008, Cairo, Egypt.</li> <li>• Participated in the synchrotron light application meetings hold in Nov, 17-22, 2008, under the supervision of the ministry of Higher education and scientific research, Cairo, Egypt.</li> <li>• Participated in Cairo university international conference for scientific research, Cairo, Egypt, Dec, 2006.</li> </ul>
PUBLICATIONS	<ul style="list-style-type: none"> <li>• Synthesis, structure and catalytic activity of nano-structured Sr–Ru–O type perovskite for hydrogen production, Ahmed Galal, Soher A. Darwish, Nada F. Atta, Shimaa M. Ali, Ahmed A. Abd El Fatah, Applied Catalysis A: General 378 (2010) 151–159.</li> <li>• Electrocatalytic evolution of hydrogen on a novel SrPdO<sub>3</sub> perovskite electrode, Ahmed Galal, Nada F. Atta, Soher A. Darwish, Ahmed Abdel Fatah, Shimaa M. Ali, Journal of Power Sources 195 (2010) 3806–3809.</li> </ul>

	<ul style="list-style-type: none"> <li>• Electrodeposited metals at conducting polymer electrodes. II- Study of the oxidation of methanol at poly(3-methylthiophene) modified with Pt-Pd co-catalyst, Ahmed Galal, Nada F. Atta, Soher A. Darwish, Shimaa M. Ali, Topics in Catalysis</li> </ul>
<p>TEACHING EXPERIENCE</p>	<ol style="list-style-type: none"> <li>1- Teaching the practical qualitative analytical chemistry for the first level undergraduates, Chem. 101, Department of Chemistry, and Cairo University.</li> <li>2- Teaching the practical physical chemistry for the first level undergraduates, Chem.103, Department of Chemistry, and Cairo University.</li> <li>3- Teaching the practical analytical chemistry for the first level undergraduates, Chem. 221, Department of Chemistry, and Cairo University.</li> <li>4- Teaching the practical physical chemistry for the second level undergraduates, Chem.211, Department of Chemistry, and Cairo University.</li> <li>5- Teaching of the Gravimetric, volumetric, and instrumental methods of analysis for the third level undergraduates, Chem. 383.</li> <li>6- Teaching of Chemical kinetics and Surface Chemistry for the Bachelor students, Chem. 481.</li> <li>7- Teaching of electrochemical, refractometric, polarimetric, and spectroscopic methods for the Bachelor students, Chem. 483.</li> </ol>

PERSONAL INFORMATION	<ul style="list-style-type: none"><li>• Place and Date of Birth : Cairo, 03/21/1982</li><li>• Sex: Female</li><li>• Marital Status : Married</li><li>• Religion: Islam</li><li>• Nationality: Egyptian</li><li>• Current address : 6<sup>th</sup> October, 6<sup>th</sup> region, Future land , project of Family Home number 16 (8)</li><li>• Home Telephone : 02-38165467</li><li>• Mobile : 0105784988</li><li>• Work Telephone: 02-35676561</li><li>• E-mail: <a href="mailto:shimaa_muhmmad@yahoo.com">shimaa_muhmmad@yahoo.com</a></li></ul>
-------------------------	--