



Department of Science - Chemistry
Preparatory Year Deanship,
Jazan University

Dr. Usama Ahmed Soliman (U. A. Soliman)
Inorganic and Analytical Chemistry (Molecular Spectroscopy and Computational Chemistry).

Personal Information	<i>Nationality:</i> Egyptian <i>Marital status:</i> Married <i>Phone:</i> 00201004361107- 00966535092495	<i>Birth Date:</i> February 23 th , 1981 <i>Place of Birth:</i> Cairo-Damietta <i>E-mail:</i> osolman@yahoo.com
Summary of Academic Qualifications	<p><u>August 2012- Present</u> Assistant Prof Medical Chemistry Department, Faculty of Medicine, Jazan University, Saudi Arabia.</p> <p><u>May 2011- August 2012</u> Lecturer, Chemistry Department, Faculty of Science, Al-Azhar University, Cairo, Egypt</p> <p><u>June 2007 – May 2011</u> Assistant Lecturer, Chemistry Department, Faculty of Science, Al-Azhar University, Cairo, Egypt</p> <p><u>December 2004– May 2007</u> Teaching Assistant, Chemistry Department, Faculty of Science, Al-Azhar University, Cairo, Egypt</p>	
Teaching and Work related Skills	<p><i>All Positions, Courses, development courses</i></p> <p>Exceptional teaching skills, several years of experience</p> <p>General inorganic chemistry</p> <p>Molecular Spectroscopy:</p> <p>IR, Raman, NMR, Mass and UV-Vis. Spectroscopy</p> <p>Computational Chemistry: Ab initio and DFT Calculations</p> <p>a-Geometry optimization and Conformational analysis</p> <p>b- Frequency calculation and Vibrational assignment aided by Normal coordinate analysis (NCA) and calculated IR and Raman spectra.</p> <p>c- ¹H and ¹³C NMR chemical shift calculation and simulated NMR spectra.</p> <p>d-Calculation of Force constants in internal coordinate.</p> <p>Synthesis and characterization of metal complexes.</p> <p>All inorganic and analytical lab course</p>	
Research Profile	<p><u>Number of Publications</u> 8</p> <p><u>thesis as a supervisor</u> 1</p> <p><u>M.Sc. titled</u> “Hydrochemical and radiological studies on the proposed site To establish a nuclear plant in western Matrouh ARE”</p> <p><u>number of citations</u> 17</p> <p>http://scholar.google.com/citations?user=mb5tw2kAAAAJ&hl=en</p> <p><u>technical experience</u> Using of special programs in Computational chemistry (Gaussian, Gauss view, Chem office, Quantum Chach, Force constant calculation program and IR/Raman simulation program) ,</p>	