

Curriculum Vitae

Dr. ANWAR ABO-AMER

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Summary

Languages English, German, Arabic

Permanent Residence Jordan, Canada



Education

2001- 2005

Ph.D. in Inorganic Chemistry, Institute of Chemistry,
Duisburg-Essen University, Germany.

Thesis Title:

*"An Innovative Method for Generating Iodine(V and III)-
Fluorine Bonds and Contributions to the Reactivity of Fluoro-
organoiodine(III) Fluorides and Related Compounds"*

1994 - 1998

M.Sc. in Inorganic Chemistry, Department of Chemistry,
Al al-Bayt University, Jordan, July 1998.

Thesis Title

*"Synthesis and study of transition metal complexes containing
mixed ligands of chemotherapeutic impacts"*

1987 - 1991

B.Sc. in Chemistry, Department of Chemistry, Yarmook
University, Jordan, 1991

Experience

Sept 2008 – Now	Assistant Professor of Inorganic Chemistry , Faculty of Science, Al al-Bayt University, Al-Mafraq, Jordan
Oct 2007 – Sept 2008	Assistant Professor of Inorganic Chemistry , Faculty of Pharmacy, Alzaytoonah University, Amman, Jordan
Feb 2007 – Oct 2007	Postdoc , Department of Chemistry and biochemistry, University of Lethbridge, Alberta, Canada
Jan 2005 – June 2006	Teaching and Researcher Assistant , Department of Inorganic Chemistry, Institute of Chemistry, Duisburg-Essen University, Germany
July 2001 – Jan 2005	Research Assistant , Department of Inorganic Chemistry, Institute of Chemistry, Duisburg-Essen University, Germany
March 2000 – May 2001	Teaching Assistant , Department of chemistry, Al al-Bayt University, Jordan
Sept. 1992 – March 2000	Teacher , Al-Mafraq Secondary School (Gov.), Jordan

Honors and Fellowships

- Visiting Professor, University of Western Ontario, June/2008 –Oct/2008
- Visiting Professor, University of Western Ontario, June/2009 –Oct/2009
- Visiting Professor, University of Western Ontario, June/2010 –Oct/2010
- Visiting Professor, University of Western Ontario, June/2011 –Oct/2011
- Postdoc Fellowship, Lethbridge University, Canada, Feb 2007
- PhD Fellowship (Deutsche Forschungsgemeinschaft (DFG)), Germany, 2001-2005
- King Abdullah II Prize, Master Degree, Al al-Bayt University, Jordan, 1998

List of Publications, Presentations and Conferences

Publications

- 1) "Reactivity and mechanism in the ring-opening of cyclopropylmethylplatinum(IV) complexes" , Abo-Amer, Anwar; Puddephatt, Richard J. Inorganic Chemistry Communications (2011), 14(1), 111-114
- 2) "Microwave-assisted synthesis and antioxidant properties of some new 1,2,4-triazole derivatives" , By Al-Soud, Yaseen A.; Mohammed, Hamdoon A.; Abo-Amer, Anwar, Journal of Chemistry (2010), 5(2), 119-129
- 3) "cis-Dimethylbis(triphenylarsine)platinum(II)", Abo-Amer, Anwar , Acta Crystallographica, Section E: Structure Reports Online (2010), E66(2), m172, Sm172/1-Sm172/8
- 4) "Solid-state NMR spectroscopy of xenon and iodine fluorides", Gerken, Michael; Abo-Amer, Anwar; Hazendonk, Paul; Iuga, Adriana; Mack, Johnathan P.; Nieboer, Jared; Schrobilgen, Gary J.; Tramsek, Melita; Zemva, Boris, Abstracts of Papers, 234th ACS National Meeting, Boston, MA, United States, August 19-23, 2007 (2007), FLUO-039.
- 5) "Solid-state NMR spectroscopy of xenon and iodine fluorides", Michael Gerken, Paul Hazendonk, Anwar Abo-Amer, Adriana Iuga, Johnathan P Mack, Jared Nieboer, Gary J. Schrobilgen, Melita Tramsek, and Boris Zemva, *J. Fluorine Chem.*, "accepted" 2007
- 6) "From hypervalent xenon difluoride and aryl iodine(III) difluorides to onium salts: Scope and limitation of acidic fluoroorganic reagents in the synthesis of fluoroorgano xenon(II) and iodine(III) onium salts". Anwar Abo-Amer, Hermann-Josef Frohn, Christoph Steinberg, and Ulrich Westphal, *J. Fluorine Chem.* 2006, 127, 1311-1323
- 7) "Polyfluoroorganotrifluoroborates and -difluoroboranes: interesting materials in fluoroorgano and fluoroorgano-element chemistry". Anwar Abo-Amer, Nicolay Yu. Adonin, Vadim V. Bardin, Petra Fritzen, Hermann-Josef Frohn and Christoph Steinberg, *J. Fluorine Chem.* 2004, 125, 1771-1778.
- 8) "Synthesis of 1,3,4-Mercapto-oxadiazole mono- and dinuclear copper (I) and copper (II) complexes and their microbiological activity". K. H. Al-Obaidi, R. Abu-El-Halawa, B. F. Ali, A. Abo-Amer, *Transition Metal Chem.* 2004, 29, 804-811.
- 9) "Production of halogen fluorides and organohalogen fluorides". Hermann-Josef Frohn; Anwar Abo-Amer, (Germany). Ger. Offen. (2004), 4 pp. CODEN: GWXXBX DE 10232323 A1 20040205 Patent written in German. Application: DE 2002-10232323 20020717. CAN 140:148543 AN 2004:95301 CAPLUS.
- 10) "Microwave-Assisted Synthesis and Antioxidant Properties of Some New 1,2,4-Triazole Derivatives", Yaseen A. Al-Soud, Hamdoon A. Mohammed, and Anwar Abo-Amer; *Jordan J. Chem.* 2010, 4(5), 1.
- 11) "C-H Activation using platinum complexes"; R. Puddephatt And Anwar Abo-Amer, will be published soon.

Note: Other results are under publication

Presentations and Conferences

- 1) **M. Gerken, A Abo-Amer, P. Hazendonk, A. Iuga, J. P. Mack, J. A. Nieboer, G. J. Schrobilgen, B. Zemva**, “Solid-state NMR spectroscopy of xenon and iodine fluorides”, 234th ACS National Meeting, Boston, August 21-22, **2007**.
- 2) **H.-J. Frohn, A. Abo-Amer, et al.**, “From hypervalent xenon difluoride and iodine(III and V) fluorides to onium salts: Recent developments in fluoroorgano xenon(II) and iodine(III and V) chemistry”, 231st ACS National Meeting, Atlanta, GA, March 26-30, **2006**.
- 3) **A. Abo-Amer, H.-J. Frohn, et al.**, “The introduction of polyfluoroorgano groups into XeF₂: strength and limitation of the concept xenodecoration”, XIVth European Symposium on Fluorine Chemistry, Poznan, Poland, July, **2004**.
- 4) **H.-J. Frohn, A. Abo-Amer, et al.**, “A new conceptual approach to generate hydrophilic surfaces on modified polyolefin polymers by fluorination with elemental fluorine”, XIVth European Symposium on Fluorine Chemistry, Poznan, Poland, July, **2004**.
- 5) **A. Abo-Amer**, "A new method for preparation of Iodine pentafluoride." Paper presented at “**Oster**”-Kolloquium, Duisburg University / Germany, **May, 2003**.
- 6) **A. Abo-Amer**, “Synthesis and study of oxadiazole metal complexes and their application” Al al-Bayt University Scientific day / Jordan, May, **2001**.