Curriculum Vitae

1.Personal Information	
Name	**Mohammed Al-Anber**
Nationality	**Jordanian**
Contact Information	**Department of Chemical Sciences** **Faculty of Sciences** **Mutah University** **P.O.Box 7** **Karak 61710** **Jordan** masachem@mutah.edu.jo

2.Academic Qualifications				
	University	**Year**	**Country**	**Major**
B.Sc.	**Jordan University of Science and Technology**	**1998**	**Jordan**	**Applied Industrial Chemistry**
M. Sc.	**Jordan University of Science and Technology**	**2000**	**Jordan**	**Applied Inorganic Chemistry**
Ph.D	**Chemnitz University of Technology**	**2003**	**Germany**	**Inorganic Chemistry**

3.Research and Teaching Interests
Applied Inorganic Chemistry
Industrial Inorganic Chemistry
Polymeric Inorganic Chemistry
Environmental Inorganic Chemistry
Environmental Health Chemistry

4.Publication
A. Books
non

B. Articles

Publications List

- 2015

1- Mohammed A. Al-Anber, M. Al-Nuami, Tobias Rüffer and Heinrich Lang
Arabian Journal of Chemistry 8 (2015) 678-684
Synthesis, Solid-State Structure and Supramolecularity of $[Cu(pyterpy)_2](ClO_4)_2$

2- Mohammed Al-Anber
Int. J. Environ. Sci. Technol, (2015) 12:139–150, DOI:10.1007/s13762-013-0410-1
Adsorption of ferric ions onto natural feldspar: kinetic modeling and adsorption isotherm

- 2014

3- Mohammed A. Al-Anber, Haneen Daoud, Mahdi Lataifeh
Journal of Macromolecular Science: Part B, Physics. 53 (2014) 1258 - 1269
The field-dependent magnetization of d^5-d^7 metal β–diketonate complexes and their macromolecular polymers

4- Mohammed Al-Anber
Desalination and Water Treatment 52 (13-15) (2014) 2560 - 2571
Adsorption Properties of Aqueous Ferric ion on the Natural Cotton Fiber: Kinetic and Thermodynamic Studies, DOI:10.1080/19443994.2013.795875

5- M.A. Al-Anber, Z. A. Al-Anber, I. Al-Momani, F. Al-Momani, Q. Abu-Salem
Desalination and Water Treatment 52 (1-3) (2014) 293-304, DOI: 10.1080/19443994.2013.784878
The Performance of Defatted Jojoba Seeds for the Removal of Toxic High Concentration of the aqueous ferric ion

- 2013

6- Mohammed A. Al-Anber, Mahdi Lataifeh, Haneen Dawoud
Journal of Macromolecular Science: Part B, Physics. 52 (2013) 344-354
The Magnetic Properties of d^8-d^{10} β–Diketonate supramolecular metal complexes and their Macromolecular Polymers

7- Mohammed Al-Anber, Nora Wetzold, Bernhard Walfort, Tobias Rüffer, H. Lang,
Inorg. Chim Acta 398 (2013) 124 - 131
2,5-Bis(pyridyl)pyrazine PtM, Pt_2M and Ti_2M_2 Transition Metal Complexes (M = Cu, Ag)

- 2012

8- Mohammed Al-Anber, Petra Ecorchard, Tobias Rüffer and Heinrich Lang
Main group Chemistry 11 (2012) 205-215
Layers of a Cobalt(II) Thenoyl–β–Diketonato Complex by Supramolecular Recognition.

- 2011

9- M. Al-Anber, H. Daoud, H. Lang, T. Ruffer
J. Molecular Structure. 997 (2011) 1-6.

3D-supermolecular structure and electronic absorption of uranyl β–diketone $[UO_2(tfa)_2(L)]$ (L = H_2O, $OHCH_2CH_3$) complex.

10- Mohammed A. Al-Anber
Chapter 27: Pages 737-764. Juan Carlos Moreno-Pirajan, Thermodynamics-Interaction Studies-Solids, Liquids and Gases Book: 1st Edition, InTech (2011), (Book ISBN: 978-953-307-318-7).
Thermodynamics Approach in the Adsorption of Heavy Metals,

11- Zaid Ahmed Al-Anber, Mohammed A. Al-Anber, Mohammad Matouq, Omar. Al-Ayed
Desalination. 276 (2011) 169
Defatted Jojoba for the Removal of Methylene Blue from Aqueous Solution: Thermodynamic and Kinetic Studies

- 2010

12- A. Tuchscherer, Y. Shen, A. Jakob, R. Mothes, Mohammed Al- Anber, B. Walfort, T. Rüffer, S. Frühauf, R. Ecke, S. E. Schulz, T. Gessner and H. Lang
Inorg. Chim. Acta 365 (2010) 10-19
Lewis-Base Copper(I) Formates: Synthesis, Reaction Chemistry Structural Characterization and Their Use as Spin-Coating Precursors for Copper Deposition

13- Mohammad Al-Anber
Desalination 250 (2010) 885-891.
Removal of High-level Fe^{3+} from Aqueous Solution using Jordanian Inorganic Materials: Bentonite and Quartz

14- Mohammed Al-Anber, Bernhard Walfort, Heinrich Lang
Jordan Journal of Chemistry. 5(3) (2010) 231-238.
Bis(Alkynyl)copper(I) Triflouroacetate: Synthesis, characterization, and Solid state structure.

15- W.K. Lafi, Mohammad Al-Anber, Zaid A. Al-Anber, Mohammad Al-Shannag
Desalination and Water Treatment, Vol. 24, (2010), 251-256
Coagulation and Advanced Oxidation Processes in the Treatment of Olive Mill Wastewater (OMW)

16- Nawash Al-Ghzawi, Mohammed Al-Anber, Zaid A. Al-Anber, Tayel El-Hassan, Idrees Al-Momani
Desalination and Water Treatment. Vol. 24, (2010), 336-343.
Decontamination and adsorption modelling of aqueous Pb^{2+} and Co^{2+} ions using natural inorganic materials: tripoli (NT) and bentonite (NB)

- 2009

17- M. Battarseh, Ali Mahasneh, Mohammed A Al-Anber
(www.oc-praktikum.de).
Sustainability in the Organic Chemistry Laboratory Course (ترجمة)

- 2008

18- Mohammed Al-Anber and Zaid Al-Anber
Desalination, 225 (1-3), (2008) 70 – 81.
Utilization of natural zeolite as ion-exchange and sorbent material in the removal of iron

19- Zaid Al-Anber and Mohammed Al-Anber

Asian J. Chem. Vol 20, No. 4 (2008) 1675 – 1690.
Electrochemical Behavior of Thienyl-Fluorinated β–Diketone Substrates and their Conductivity in Solution.

20- Tayel El-Hasan, Zaid A. Al-Anber, Mohammad Al-Anber, Mufeed Batarseh, Farah Al-Nasr, Anf Ziadat, Yoshigi Kato and Anwar Jiries
Current World Environment, 3(1) (2008) 01-14
Removal of Zn^{2+}, Cu^{2+} and Ni^{2+} Ions from Aqueous Solution via Tripoli: Simple Component with Single Phase Model

21- Zaid A. Al-Anber, Mohammad Al-Anber
Journal of Mexican Chemical Society, 52(2) (2008) 108 - 115.
Adsorption of ferric ions from aqueous solution by olive cake: Thermodynamic and kinetic studies

- 2007

22- Mohammad Al-Anber
Asian J. Chem. Vol 19, No. 5 (2007) 3493 – 3501.
Removal a Model Solution of Trivalent Iron Using Jordanian Natural Zeolites

23- Thomas Stein, Mohammed Al-Anber, Tobias Rüffer, Heinrich Lang
Analytical Sciences, Vol.23, (2007), 217.
Crystal Structure of $[\{[Ti](C{\equiv}CSiMe_3)_2\}Cu$ (1,10-phenanthrolin)$]^+(BF_4)^-$.

- 2006

24- Al-Anber, Mohammed A
Journal of Saudi Chemical Society (2006), 10(2), 347-360.
Overview of cyclicvoltammetric study and conductivity of some fluorinated β–diketone containing Thenoyl unit

25- M. Al-Anber, H. Lang.
Jordan Journal of Chemistry, Vol. 1, No 1 (2006) 55 – 59
Porphyrin-Based Octanuclear Ti4M4 (M = Cu, Ag) Transition Metal Complexes.

- 2005

26- Al-Anber, M.; Stein, Th.; Vatsadze, S.; Lang, H.
Inorganica Chimica Acta (2005), 358(1), 50-56.
Organometallic π–tweezers incorporating pyrazine- and pyridine-based bridging units.

27- Al-Anber, M.; Vatsadze, S.; Holze, R.; Lang, H.; Thiel, W. R
Journal Chemical Society Dalton Transactions (2005), (22), 3632-3637.
π –Conjugated N-heterocyclic compounds: correlation of computational and electrochemical data.

28- Vatsadze, S.; Al-Anber, M.; Thiel, W. R.; Lang, H.; Holze, R.
Journal of Solid State Electrochemistry (2005), 9(11), 764-777.
Electrochemical studies and semiempirical calculations on π –conjugated dienones and heterocyclic nitrogen containing donor ligand molecules.

- 2004

29- Al-Anber, M.; Walfort, B.; Stein, T.; Lang, H.
Inorganica Chimica Acta (2004), 357(6), 1675-1681.

Organometallic {[Ti](C≡CSiMe3)2}M π–Tweezers Bridged by Pyrazine.

30- Al-Anber, Mohammed; Walfort, Bernhard; Vatsadze, S.; Lang, Heinrich.
Inorganic Chemistry Communications (2004), 7(6), 799-802.
A Novel Polymeric Copper Strain Formed by Helically Terpyridyle-Surrounded Cu_2^{2+} Unites.

31- Vatsadze, S.; Al-Anber, M.; Holze, R.; Thiel, W. R.; Lang, H.
Proceedings - Electrochemical Society, 2004-10(Analytical, Mechanistic, and Synthetic Organic Electrochemistry), (2004), 197-200.
Electrochemical Studies and Semiempirical Calculations on π–Conjugated Dienones and Related Compounds

32- M. Al-Anber, S. Vatsadze, R. Holze, W.R. Thiel, and H. Lang.
Proceedings - Electrochemical Society (2004), 10, 197-200
Electrochemical Studies and Semiempirical Calculation on a π–Conjugated Dienones

33- S. Vatsadze, M. Al-Anber, R. Holze, W.R. Thiel, and H. Lang
Proceeding book of 3rd Chianti Electrochemistry Meeting, pp 806, July 3.–9., (2004), Certosa di Pontignano, Italy.
Electrochemical Studies and Semiempirical Calculation on a -Conjugated Dienones

- 2003

34- Al-Anber, Mohammed
Ph.D Thesis (2003), CAN 143:422396 AN 2005:1065942 CAPLUS (printed book)
Organic and/or Inorganic Pi-Conjugated Units in the Synthesis of Multinuclear Transition Metal Complexes.

5.Patents

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