# Assist Prof. Dr. Aeed salih Mohammed Al-Fahdawi

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# PERSONAL PROFILE

* University Assist Professor in Synthetic Inorganic Chemistry & organometalic
* PhD in “Synthetic Inorganic Chemistry” for dithiocarbamate and it is Applications.
* For several years taught a range of topics in Inorganic, Organic and Spectroscopic at Under-Graduate level and Post-Graduate level.
* Several years Research Experience working on many aspects of inorganic and organic. These include working on the development of new agents for Biomedical Applications.
* Supervised successfully **3 MSc** students.
* Research interests in **Synthesis and applications of coordination chemistry**. My interdisciplinary research areas focus on applications of coordination chemistry against Bacteria and Fingal, advanced materials supported chelate system. Research interest in determination heavy metal ions in many deferent type in direction live.

# PROFESSIONAL EXPERIENCES

**2015--2019 Assistant** head of the Inorganic department and assistant Professor of Synthetic Inorganic chemistry, Anbar of University, Iraq

**2012 --2014** Visiting Research Academic, of Synthetic Inorganic Chemistry, Manchester Metropolitan University, UK

**2009 – 2012** , Department of Chemistry, College of science, University of Babylon, (doctoral student)

**2005 --2009** Lecturer of Inorganic Chemistry, Department of Chemistry, College of Education for women, University of Anbar.

**2003 – 2005** Assistant Lecturer of Inorganic Chemistry, Department of Chemistry, College for Education, University of Anbar.

**2001 – 2003** Post graduated Research, Inorganic Chemistry, Department of Chemistry, College of Education, University of Baghdad.

**1982--1987** Instructor, Department of Chemistry, University of Mosel.

# EMPLOYMENT HISTORY

**2019-** Assistant Professor of Inorganic Chemistry, Department of Chemistry, College of Education for women, University of Anbar

* Teaching and Assessment which covered theoretical and practical in Inorganic, (2nd&3rd year)
* Supervision of final year students
* Supervision of postgraduate students
* Administrative duties

**2012-2014 Researcher**, Manchester Metropolitan University, Department of Chemical Engineering, UK

* Supervision of Undergraduate research project
* Organic Synthesis of new polydentate ligands bearing S donor atoms and their metal complexes for biomedical applications.
* Supervising the synthesis labs for second year students
* Reviewing papers submitted to international journals
* Preparing papers for publication

**2003-2012 Assistant Lecturer** in Inorganic Chemistry, Department of Chemistry, College of Education for women, University of Anbar

**2001 – 2003** Mrs. student in Inorganic Chemistry, Department of Chemistry, College of Education Ibn Al-Haitham, University of Baghdad.

# QUALIFICATIONS

**2010 -2014 Ph.D. In Synthetic Inorganic Chemistry (Grade: *Very Good*)**

Ministry of Higher Education and Scientific Research, University of Babylon

College of Science, Department of Chemistry

**Thesis title**: Metal Ion Assisted In Bimetallic Complexes Formation Of New Bis-Dithiocarbamate Macrocyclic Compounds

**2001-2003 M.Sc. In Inorganic Chemistry**, Department of Chemistry, College of Education Ibn Al-Haitham, University of Baghdad.

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 **Thesis Title**: Synthesis and Characterization of Some Macrocyclic Ligands Type N4 And Their Complexes With Some Metal Ions

 **1982-1987 B.Sc. In Chemistry** University of Mosel

# TEACHING/SUPERVISION EXPERIENCE

My teaching covered theoretical and practical Inorganic and Analytical including course design, preparation of teaching material and assessment. I have successfully supervised 3 MSc students.

**Undergraduate Students**, Department of Chemistry, University of Anbar

* Introduction to Inorganic Chemistry (1st year)
* Coordination Chemistry and Transition Metals (3rd year)
* Introduction to Organometallic Chemistry (3rd year)
* Laboratory classes (2nd and 3rd year)

**Post Graduate Students**, Department of Chemistry, University of Anbar

# M.Sc.

* + Special topics in Inorganic Chemistry
	+ Spectroscopic Methods in Inorganic Chemistry
	+ Mechanisms of Reactions at Transition Metal Sites
	+ Ligand Design for Macrocyclic & Polymeric Applications

# Ph.D

* + Advance inorganic Spectroscopy
	+ Design and fabrication Coordination and Organometallic Complexes.

# AWARDS AND HONORS

* **Year: 2016:** Received a special acknowledgement from the **President of Baghdad University** for my role in the “High Quality Research Work Publication”
* **Year: 2018:** Received a **three** special acknowledgement from the **President of Anbar University** for my role in the “High Quality Research Work Publication”.
* **Year: 2017:** Received a **two** special acknowledgement from the **President of Anbar University** for my role in the “High Quality Research Work Publication”.
* **Year: 2017:** Received award and a special acknowledgement apecial aknowlegment from Den of education college.
* **Year: 2017:** Received a special acknowledgement from Secretary of the Arab project
* **Year: 2012:** Received a special acknowledgement from the **Iraqi Minister of Environment** for my role in supporting the activities of the Ministry in protecting the Iraqi Environment.
* **Year: 2012:** Received a special acknowledgement from a president of Babylon university
* **Year: 2009:** Received a**Two** special acknowledgement from the president of Babylon university
* **Year: 1990:** Received a special acknowledgement from the Den of education college
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# PROFESSIONAL ACTIVITIES

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# PROFESSIONAL BODY NEMBERSHIPS

# LIST OF PUBLICATIONS

 **BOOKS :**

1. “Formation of Bimetallic Bis(dithiocarbamate) Macrocyclic Complexes”, Aeed S. Al- Fahdawi, Mohamad J. Al-Jeboori, Hussain A. Al-Kafajy, LAP Lambert Academic Publishing, (June 29th, 2015). ISBN-13: 978-3-659-31666-1.

**Research published:**

1. EI Alsalihi, **AS Al-Fahdawi**, Synthesis and Antibacterial Activity of Isatin Schiff Base Derivative with 3-Aminoacetophenone and its Ni (II), Co (II) Transition Metals Complexes, ARO-The Scientific Journal of Koya University 6 (1), 38-45, 2018
2. **A Al-Fahdawi,** E Alsalihi, Synthesis and Characterization of Iron (II), Cobalt (II), Nickel (II), Copper (II), and Zinc (II) Complexes Using Diphenylmethyl Xanthate Ligand, ARO-The Scientific Journal of Koya University 6 (1), 33-37, 2018
3. F. Al-Obeidi, **AS Al-Fahdawi**, MJ Al-Jeboori. Synthesis, Spectral Characterization and Biological Activity of Dithiocarbamate-based Ligand and its Metal Complexes, (2018)
4. S Saleh, U Al-Timari, **A Al-Fahdawi**, N El-Khatatneh, M Mahendra, Synthesis, Characterization and Molecular Docking of Novel Quinoline and Pyridine Derivatives, Oriental Journal of Chemistry 33 (6), 2713-2719, 2017
5. EI Alsalihi, **AS Al-Fahdawi**, BI Meena, Synthesis and Characterization of Sodium Diphenylcarbamodithioate Ligand [L] and its Cobalt, Nickel, and Copper Complexes, ARO-The Scientific Journal of Koya University 5 (2), 1-5, 2017
6. EI Yousif, RM Ahmed, HA Hasan, **AS Al-Fahdawi**, MJ Al-Jeboori, Metal Complexes of Heterocyclic Hydrazone Schiff-Bases: Preparation, Spectral Characterisation and Biological Study, Iranian Journal of Science and Technology, Transactions A: Science 41 (1-3), 2017
7. Enaam I. Yousif, Riyadh M. Ahmed, **Aeed S. Al-Fahdawi**, Hasan A. Hasan, Mohamad J. Al-Jeboori, “Metal Complexes of Heterocyclic Hydrazone Schiff-bases; Preparation, Spectral Characterisation and Biological Study”, accepted for publication in *Iranian Journal for Science and Technology, Trans. A* (2015).
8. **A Al-fahdawi**, MJ Al-Jeboori, H Al-Khafaji, Formation of Bimetallic Bis(dithiocarbamate) Macrocyclic Complexes, 2, 2015
9. **Aeed mohammed,** Synthesis and Spectral Identification of Various New Ligands and Complexes with (Pb2+), Journal of Natural Sciences Research 5 (11), 2015
10. **Aeed S. Al-Fahdawi**, Hussain A. Al-Kafajy, Mohamad J. Al-Jeboori, Simon J. Coles, Claire Wilson and Herman Potgieter, “N1,N4-bis•(diphenylmethylene)benzene-1,4- diamine”, Acta Crystallog. E 70, o66, (2014).
11. **Aeed S. Al-Fahdawi**, Hussain A. Al-Kafajy, Mohamad J. Al-Jebooriand Herman Potgieter, “New Bimetallic Bisdithiocarbamate-Based Macrocyclic Complexes: 2, 2014
12. **Aeed S. Al-Fahdawi**, Hussain A. Al-Kafajy, **Mohamad J. Al-Jeboori** and Herman Potgieter, “Synthesis, Spectral and Structural Studies of Neutral Co(II), Ni(II) and Cu(II) Macrocyclic Dithiocarbamate-Based Complexes Formed via one Pot Reaction”, Iraqi National Journal of Chemistry, **52** ,414-429, (2013).
13. **Aeed S.Alfahdawi and etal**…Preparation of Some Oxygenic Compounds and Comparing Their Antibacterial Activity with Pomegranate Puniea granatum Peels Extracts†,Asian Journal of Chemistry 24 (12), 5602-5604, 2012
14. M.J. Al-Jeboori, S.M.Lateef, **A. S. Mohammed**, “Structural and Spectroscopic Study of Novel Tetradentate Macrocyclic Ligand Type N4 and It’s Complexes with CrIII, MnII, FeII, CoII, NiII ,CuII, PdII and CdII”, *Journal of Ibn Al-Haitham for Pure and Applied Sciences*, Vol. 22, No. 4, 126-141, (2009).
15. AAH Waleed.F. Al-Hity\* **Aeed S. Mohamed Alfahdawi**\* Mohamed. SYNTHESIS, CHARACTERIZATION AND KINETIC STUDIES OF SOME OXAZEPINE AND OXAZEPANE FROM REACTION OF ETHYLIMINO AND DIETHYLIMINO WITH MALEIC, SUCCINIC AND PHTHALIC ANHYDRIDE. J. of al-anbar university for pure science: Vol.2: No.3 : 2008 2 (3)
16. **Aeed s. Alfahdawi**. SYNTHESIS AND SPECTRA STUDIES ON CHROMIUM COPPER AND CADMIUM COMPLEXES OF (TETRA METHYLDIBENZOTETRA AZA {16} ANNULENE [L]), J. of al-anbar university for pure science: Vol.2: No.3 : 2008