

## Curriculum Vita

**Name:** Amna Qasem Ali Abdalhafid

**Contact information:**

Faculty of Science, Chemistry Department

Sebha University, Libya

**Postal code:** 18758

Sebha

Libya

E-mail:

[amnakasim@yahoo.com](mailto:amnakasim@yahoo.com)

[amn.abdalhafid@sebhau.edu.ly](mailto:amn.abdalhafid@sebhau.edu.ly)

**Personal information:**

**Nationality:** Libyan

**Religion:** Muslim.

**Scientific degree :** Assistance professor.

**Marital status:** Married.

**Languages:** Arabic, English.

**Academic Education:**

**02/2010 –10/2014: Ph.D. in Inorganic Chemistry**, School of Chemical Sciences, University Sains Malaysia (USM), Malaysia.

**Thesis title:** “SYNTHESIS OF ISATIN THIOSEMICARBAZONE METAL COMPLEXES AND THEIR ANTI- CANCER, DNA BINDING AND CLEAVAGE ACTIVITIES”

**2003: M.Sc. in Chemistry**, Faculty of Science, Sebha University, Sebha-Libya.

**Thesis title:** “TRANSITION METAL COMPLEXES DERIVED FROM DIAMINOMALEONITRILE AND ITS DERIVATIVES”

**1981-1985: Bachelor of Science, Chemistry** Sebha University, Sebha-Libya.

### **Research Field:**

**Coordination Chemistry:** Synthesis and characterization of transition metal complexes by several techniques (FT-IR, UV-Vis., Mass, NMR, TGA...etc), studying their DNA binding and cleavage activities.

### **Work Experience:**

#### **Full Time:**

**1986-2003: Sebha University**, Chemistry Department, Sebha, Libya - **Teaching Assistance**, undergraduate General and Inorganic chemistry laboratories .

**2003-2009: Lecturer**, Department of Chemistry, Faculty of Science, University of Sebha, Libya.

**4/2015-Now: Lecturer**, Department of Chemistry, Faculty of Science, University of Sebha, Libya.

#### **Part Time:**

**2002-2004:** Sebha University, Chemistry Department, Faculty of Teachers, Sebha-Libya. Cooperative staff- member, undergraduate Inorganic chemistry laboratories and theoretically.

**2018-Now:** Head of Department of Chemistry, Faculty of Science, University of Sebha, Libya.

### **Scholarships:**

**2009 – 2014:** Ministry of Higher Education, Libya, Scholarship for Ph.D.

### **Teaching Experience:**

-General Chemistry (First semester): 2003-2005.

-Inorganic Chemistry (Second semester): 2004.

- Coordination Chemistry (Seventh semester): 2003-2009; 2015-Now

Special teaching methods (Fourth year, Faculty of teachers) 2002-2004.

General Chemistry (First year, Faculty of teachers) 2002-2004.

-Quantitative and Qualitative analysis (First & Second semester lab): 2003-2008; 2015-Now.

- Inorganic and Analytical Chemistry (Second & third semester lab): 2002-2005.

- Coordination chemistry (Seventh semester lab): 2003-2009.

- Quantitative and Qualitative analysis (First year lab, Faculty of teachers): 2004.

General Chemistry (Second semester) 2015-Now.

- Transition Metals & Coordination Chemistry (Third year): 2015-Now..

-Bonding and Chemical Structure (Fourth semester).

- Inorganic chemistry lab (Fourth semester).

- Inorganic Reaction Mechanism (Seventh semester) : 2016-Now

- Inorganic Reaction Mechanism lab (Seventh semester): 2016-Now.

-Supervision of undergraduate projects: 2003-2008; 2015-Now.

### **Postgraduate**

#### Teaching

-Representative of Non-transition Elements (**postgraduate course**): 2017-Now.

-Coordination Chemistry (**postgraduate course**).

-Spectroscopy (**postgraduate course**).

#### Supervision

- Supervision of postgraduate students: 2018-Now

#### Thesis Examiner

**MS.C internal examiner 28/12/2017**

**MS.C internal examiner 26/10/2019**

### **WORKSHOPS & SHORT COURSES**

1- Participated in the FT-NMR workshop (theoretical session) on 10-11 October 2011, at School of Chemical Sciences USM, organize by Universiti Sains Malaysia (USM) and Nancy Universite, France.

2- Participated in the FT-NMR workshop (practical session) on 12-13 October 2011, at School of Chemical Sciences (USM), organized by Universiti Sains Malaysia (USM) and Nancy Universite, France.

- 3- Participated in the Laboratory safety and Management on 13th July 2011, organized by safety and health committee school of chemical sciences at Lecture Hall G31 Universiti Sains Malaysia (USM). .
- 4- Certificates: Beginning and Intermediate levels of Intensive English Program offered by ELS Language center Bukite Bintang KL, Malaysia from 1<sup>st</sup> June to 30 November 2009.
- 5- **Bahasa Malay 101:** Universiti Sains Malaysia (USM)

### **Publications:**

#### **Year 2018**

- 25- **Amna Qasem Ali**, Abdusalam Matoog Hamil, Siang Guan Teoh (2018). Synthesis, Spectroscopic, Thermal Studies of Palladium(II) Complex of SNO Donor Schiff Base and Their DNA Cleavage Activity. *Journal of Sebha University*.

#### **Year 2017**

- 24- **Amna Qasem Ali**, Siang Guan Teoh, Naser Eltaher Eltayeb, Mohamed B. Khadeer Ahamed, A.M.S. Abdul Majid, Arabya Abdelsalam A. (2017). Synthesis, structure, in vitro anti-cancer, DNA binding and cleavage activity of palladium(II) complexes based on isatin thiosemicarbazones derivatives. *Applied Organometallic Chemistry* (DOI: 10.1002/aoc.3813).

#### **Year 2016**

- 23- **Qasem Ali**, Abdusalam Matoog Hamil, Siang Guan Teoh (2016). Synthesis, Spectroscopic, Thermal Studies of Nickel(II) and Palladium(II) Complexes of Tridentate Ligand and Their DNA Cleavage Activity, *Journal of Sebha University*, Vol.15 No.2 (2016).

- 22- Abdusalam Matoog Hamil, Khalifa Mesbah Khalifa, **Amna Qasem Ali (2016)**. Synthesis, Characterization and Antibacterial Studies of 4-Amino-3-hydroxynaphthalene -1-sulphoric acid Derivate Chelates of Cr(III), Mn(II), Co(II) and Cu(II) Complexes, *Journal of Sebha University*, Vol.15 No.2 (2016)..
- 21- **Qasem Ali**, Siang Guan Teoh, Naser Eltahir Eltayeb (2016). (Z)-2-(5-Fluoro-2-oxoindolin-3-ylidene)-N-methylhydrazinecarbothioamide, *International Union of Crystallography*, 2 Abbey Square, Chester CH1 2HU, UK, IUCrData (2016). 1, x160659

#### Year 2014

- 20- **Amna Qasem Ali**, Siang Guan Teoh, Naser Eltahir Eltayeb, Mohamed B. Khadeer Ahamed, A.M.S. Abdul Majid (2014). Synthesis of nickel(II) complexes of isatin thiosemicarbazone derivatives: in vitro anti-cancer, DNA binding, and cleavage activities, *Journal of Coordination Chemistry*, <http://dx.doi.org/10.1080/00958972.2014.959943>.
- 19- **Amna Qasem Ali**, Siang Guan Teoh, Naser Eltahir Eltayeb, Mohamed B. Khadeer Ahamed, A.M.S. Abdul Majid (2014). Synthesis of copper(II) complexes of isatin thiosemicarbazone derivatives: In vitro anti-cancer, DNA binding and cleavage activities. *Polyhedron* 74: 6–15.
- 18- **Amna Qasem Ali**, Siang Guan Teoh, Naser Eltahir Eltayeb, Abdussalam Salhin, Mohamed B. Khadeer Ahamed, A.M.S. Abdul Majid (2014). Synthesis of isatin thiosemicarbazones derivatives: In vitro anti-cancer, DNA binding and cleavage activities. *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy* 125: 440–448.
- 17- **Amna Qasem Ali**, Siang Guan Teoh, Naser Eltahir Eltayeb, Abdussalam Salhin, Mohamed B. Khadeer Ahamed, A.M.S. Abdul Majid (2014). Synthesis of Platinum(II) Complexes of Isatin Thiosemicarbazones Derivatives: In Vitro Anti-cancer and Deoxyribonucleic Acid Binding Activities. *Inorganica Chimica Acta* 416: 235–244.

**Year 2013**

**Year 2012**

- 16- **Amna, Q. A.**, Naser, E. E., Siang, G. T., Abdussalam, S. and Hoong-Kun, F. (2012). (Z)-2-(2-Oxoindolin-3-ylidene)-N-phenylhydrazinecarbothioamide. *Acta Crystallographica Section E* E68: o962–o963.
- 15- **Amna, Q. A.**, Naser, E. E., Siang, G. T., Abdussalam, S. and Hoong-Kun, F. (2012). Bis[2-(2-oxoindolin-3-ylidene)-N-phenylhydrazinecarbothioamidato-  $\kappa^3$  O, N<sup>2</sup>, S] nickel(II) dimethylformamide monosolvate. *Acta Crystallographica Section E* E68: m538–m539.
- 14- **Amna, Q. A.**, Naser, E. E., Siang, G. T., Abdussalam, S. and Hoong-Kun, F. (2012). (Z)-2-(5-Fluoro-2-oxoindolin-3-ylidene)-N-phenylhydrazinecarbothioamide. *Acta Crystallographica Section E* E68: o285–o286.
- 13- **Amna, Q. A.**, Naser, E. E., Siang, G. T., Abdussalam, S. and Hoong-Kun, F. (2012). (Z)-N-Methyl-2-(5-nitro-2-oxoindolin-3-ylidene)hydrazinecarbothioamide. *Acta Crystallographica Section E* E68: o953–o954.
- 12- **Amna, Q. A.**, Naser, E. E., Siang, G. T., Abdussalam, S. and Hoong-Kun, F. (2012). (Z)-N-Methyl-2-(5-methyl-2-oxoindolin-3-ylidene)hydrazinecarbothioamide. *Acta Crystallographica Section E* E68: o955–o956.
- 11- **Amna, Q. A.**, Naser, E. E., Siang, G. T., Abdussalam, S. and Hoong-Kun, F. (2012). (Z)-2-(5-Chloro-2-oxoindolin-3-ylidene)-N-methylhydrazinecarbothioamide. *Acta Crystallographica Section E* E68: o964–o965.

- 10- **Amna, Q. A.**, Naser, E. E., Siang, G. T., Abdussalam, S. and Hoong-Kun, F. (2012). (Z)-N-Ethyl-2-(5-fluoro-2-oxoindolin-3-ylidene)hydrazinecarbothioamide. *Acta Crystallographica Section E* E68: o2868–o2869.
- 9- Halema, Sh., A., **Amna, Q. A.**, Naser, E. E., Siang, G. T. and Hoong-Kun, F. (2012). Bis{N-ethyl-2-[3-(hydroxyimino-κN)-butan-ylidene]hydrazinecarbothioamide-κ<sup>2</sup>N<sup>2</sup>,S}nickel(II) dichloride. *Acta Crystallographica Section E* E68: m183–m184.
- 8- Halema, Sh., A., **Amna, Q. A.**, Naser, E. E., Siang, G. T. and Hoong-Kun, F. (2012). Bis{2-[3-(hydroxyimino-κN)butan-2-ylidene]-N-methylhydrazinecarbothioamide-κ<sup>2</sup>N<sup>2</sup>,S}nickel(II) dichloride. *Acta Crystallographica Section E* E68: m108–m109.
- 7- Halema, Sh., A., **Amna, Q. A.**, Naser, E. E., Siang, G. T. and Hoong-Kun, F. (2012). (E)-2-[(E)-3-(Hydroxyimino)butan-2-ylidene]-N-methylhydrazinecarbothioamide. *Acta Crystallographica Section E* E68: o184–o185.
- 6- Halema, Sh., A., **Amna, Q. A.**, Naser, E. E., Siang, G. T. and Hoong-Kun, F. (2012). (E)-N-Ethyl-2-[(E)-3-(hydroxyimino)-butan-2-ylidene]hydrazinecarbothioamide. *Acta Crystallographica Section E* E68: o2552–o2553.

#### Year 2011

- 5- **Amna, Q. A.**, Naser, E. E., Siang, G. T., Abdussalam, S. and Hoong-Kun, F. (2011). (Z)-2-(5-Methyl-2-oxoindolin-3-ylidene)-N-phenylhydrazinecarbothioamide. *Acta Crystallographica Section E* E67: o3476–o3477.
- 4- **Amna, Q. A.**, Naser, E. E., Siang, G. T., Abdussalam, S. and Hoong-Kun, F. (2011). ((Z)-2-(5-Chloro-2-oxoindolin-3-ylidene)-N-phenylhydrazinecarbothioamide. *Acta Crystallographica Section E* E67: o3141–o3142.

#### Year 2010

### **Year 2009**

- 3- K. M. Khalifa, A. M. Hamil, **A. Q. A. Al-Houni**, M. A. Ackacha, Determination of Heavy Metals in Fish Species of the Mediterranean Sea (Libyan coastline) Using Atomic Absorption Spectrometry, Vol.2, No.2,,pp 1350-1354, April-June 2010
- 2- K.M.KHALIFA, A.M.HAMIL,, **A.QASEM** and A.ABDULSALAM.(2010). Synthesis and Characterization of Some Ni(II) and Cu(II) Complexes with 2-[(4-Aminophenyl)imino]-1, 2-diphenyl-1-ethanone. **E-Journal of Chemistry**. 2010, 7(1), 49-54.
- 1- A. M. Hamil, K.M. Khalifa, **A. Q. AL-Houni** and M.M. El-ajaily (2009). SYNTHESIS, SPECTROSCOPIC INVESTIGATION AND ANTIBACTERIAL ACTIVITY OF SCHIFF BASE COMPLEXES OF COBALT (II) AND COPPER (II) IONS. **RASĀYAN JOURNAL OF CHEMISTRY**. Vol.2, No.2 (2009), 261-266.

### **Conferences Posters presentations:**

#### **Year 2013**

**6- Amna, Q. A.**, Siang, G. T. and Abdussalam, S. Syntnesis, physicochemical properties, x-ray crystal structures and DNA cleavage activity of NOS tridentate Schiff base ligand and its nickel complex. <sup>4</sup>th International Conference for Young Chemists **2013 (ICYC)**. Universiti Sains Malaysia, Pinang, **Malaysia**.

#### **Year 2010**

**5- Amna Q. Ali**, Mohamed B. Hassan and Mohsen M. Mostafa. Spectroscopic studies of some metal complexes derived from diaminomaleonitrile with phenyl isocyanate and phenyl isothiocyanate The <sup>11</sup>th International Chemistry conference and Exhibition (**11 ICCA**). 20th to 23rd November **2010** Luxor, **Egypt**.

#### **Year 2008**



4- K. M. KHALIFA, A. M. HAMIL, A. QASEM and A. ABDULSALAM. Synthesis and characterization of some Ni(II) and Cu(II) complexes with 2-[(4-Aminophyl)Imino]-1,2-Diphenyl-1-ethanone, **The Fifth Jordanian International Conference of Chemistry**, Chemistry Department, Yarmouk University, Irbid, **Jordan** 16-19 June, **2008**.

### Year 2007

3- **Amna Q Ali**, Mohamed B. Hassan, Hoda A. Bayoumi and Mohsen M. Mostafa. Metal complexes of ligands derived from diaminomaleonitrile (DAMN) with 2,3-butanedionemono-oxime(DMDM) and acetylacetone (DMAA). 9th International Conference on the Chemistry and Its Role in Development (**9 ICCRD**), 16, April **2007**, Sharm El-Sheikh, Egypt.

1- تحديد تركيز بعض العناصر الثقيلة في الدواجن , مؤتمر الكيمياء الأول , جامعة سبها ( 14 – 2006 /11/16م).

2- متراكبات العناصر الانتقالية المشتقة من اوثوفينلين ثنائي امين وبعض مشتقاتها , المؤتمر الكيميائي العربي الرابع عشر جامعة الفاتح 03/31 -2008/04/3م

### REFERENCES

Professor Dr. Siang Guan Teoh  
School of Chemical Sciences,  
Universiti Sains Malaysia,  
Minden, Pinang, Malaysia,  
Email : [siangguan@gmail.com](mailto:siangguan@gmail.com)  
Email : [ppsk1@yahoo.com](mailto:ppsk1@yahoo.com)  
Tel : 0060164510177  
Fax: (604)-6574854

Professor Dr. Mohsen M. Mostafa  
Department of Chemistry  
University of Manssoura  
Manssoura, Egypt  
P.O. Box. 35516, Egypt  
Email: [amohsenmostafa@yahoo.com](mailto:amohsenmostafa@yahoo.com)  
Tel : 00-202-37612948  
Mobil:

00201067446662