

Ministry of Higher Education & Scientific Research

Diyala University

College of Sciences



CURRICULUM VITAE



DR. FADHIL LAFTA FARAJ YOUSIF ALKAABI

Department of Chemistry-Faculty of Science, University of Diyala,

Diyala Governorate, Iraq.

PERSONAL PARTICULARS

PERMANENT ADDRESS: Baladyat, Abeed Mathmar, Section No.728, Street No. 44,
House No. 17, Baghdad, Iraq

DATE OF BIRTH: 10 April 1960

PLACE OF BIRTH: Baghdad, Iraq

NATIONALITY: Iraqi

MARITAL STATUS: Married

PASSPORT NUMBER:

CONTACT NUMBER: Mobile Number (009647729395809)

E-MAIL ADDRESS: fadhillaftafaraj@gmail.com

EDUCATIONAL AND PROFESSIONAL QUALIFICATIONS

2014-2015 **Doctor of Philosophy (Ph.D) in Organic Chemistry**

**Department of Chemistry, Faculty of Science, University of Malaya,
50603 Kuala Lumpur, Malaysia**

**Title of Thesis (Metal Coordination Behaviour And Biological Activities
of Indole and Quinazoline Derivatives)**

2001-2012 **Master of Science in Chemistry**

Faculty of Science, University of Houari Boumedin For Science and Technology, Algeria.

Title of Thesis (Synthèse et étude structurale de quelques dérivés hétérocycliques d'intérêt biologique)

1984-1985 Bachelor in Chemistry (B.Sc.) Faculty of Science, University of Almustansiria, Baghdad, Iraq

1980-1981 Secondary School

1974-1975 Primary School

Languages Arabic, English and French

Lecturer at University of Diyala since 2015 until now.

Good experience in the fields: Polyurethane industry for 7 years and Computer Science

ACADEMIC AWARDS (SCHOLARSHIP) RECEIVED

2010 -2015 Scholarship awarded for PhD studies in Organic Chemistry, from Department of Chemistry, Faculty of Science, University of Malaya, 50603 Kuala Lumpur, Malaysia

1999-2002 Scholarship awarded in Organic Chemistry from Faculty of Science, University of Houari Boumedin For Science and Technology, Algeria.

LIST OF PUBLICATIONS

2018

- 17- Aseel Faeq Ghaidan^{1*}, Fadhil Lafta Faraj^{**} and Zaynab Saad Abdulghany¹. Synthesis, Characterization and Cytotoxic activity of New Indole Schiff Bases, Derived From 2-(5-Chloro-3,3-dimethyl-1,3-dihydro-indol-2-ylidene)-Malonaldehyde with Substituted aniline, *Oriental Journal Of Chemistry* 2018, Vol. 34, No.(1)Pg. 169-181, **2018**
- 16- Sri Devi Sukumaran,^{ab} Fadhil Lafta Faraj,^c Vannajan Sanghiran Lee, ^{*bd} Rozana Othman^{ab} and Michael J. C. Buckle. 2-Aryl-3-(arylideneamino)-1,2-dihydroquinazoline-4(3H)-ones as inhibitors of cholinesterases and self-induced b-amyloid (Ab) aggregation: biological evaluations and mechanistic insights from molecular dynamics simulations, *RSC Advances*, 8, 7818, 19 February **2018**
- 15- Elham Bagheri, Kamelia Saremi, Fatemeh Hajiaghaalipour, Fadhil Lafta Faraj, Hapipah Mohd Ali, Mahmood Ameen Abdulla, Si Lay Khaing and Nur'Ain Salehen. Synthesis of Novel Derivatives of Quinazoline Schiff base Compound Promotes Epithelial Wound Healing, *Current Pharmaceutical Design*, Volume 24 , 30 Jan **2018**

2017

- 14- Fatemeh Hajiaghaalipour, ^{*ab} Elham Bagheri,^c Fadhil Lafta Faraj,^{de} Mahmood Ameen Abdulla^b and Nazia Abdul Majid, Underlying mechanism for the modulation of apoptosis induced by a new benzoindole derivative on HT-29 colon cancer cells, *RSC Advances*, 7, 38257, 03 August **2017**.
- 13- **Fadhil Lafta Faraj**, Hamid Khaledi, Hamed Karimian and Hapipah Mohd Ali, Indole-Fused Epoxy-1,5-Diazocines as Cancer-Selective Cytotoxic Agents

Heterocyclic Chem, V,54 (3), P, 2071-2074, 5 May **2017**.

- 12- **Fadhil Lafta Faraj**, Wassan B.Ali, Salah A jassim and Tahseen Ridha Ali, Synthesis, Characterization And Theoretical Study of Zn (II) Complex With New Schiff Base *Diyala journal for pure sciences*, Vol: 13 No: 2 , April **2017**
- 11- Hussin A. Rothan, Elham Amini, **Fadihl L. Faraj**, Mojtaba Golpich, Teow Chong Teoh, Khadijeh Gholami & Rohana Yusof. NMDA receptor antagonism with novel indolyl, 2-(1,1-Dimethyl-1,3-dihydro-benzo[e]indol-2-ylidene)-malonaldehyde, reduces seizures duration in a rat model of epilepsy, *Scientific Reports*. 30 March **2017**.
- 10- F Hajiaghaalipou, FL Faraj, E Bagheri, H Khaledi, HM Ali, NA Majid, MA Abdulla, Synthesis and characterization of a new benzo indole derivative with apoptotic activity against colon cancer cells. *Current pharmaceutical design*, **23**, 1-10, 20 March **2017**.

2016

- 9- FadhilLafta Faraj, FaliahHasen. Ali, Salah Aldin Jassim, prediction of zinc complex using experimental and computational Modeling approach, *Al-Mustansiryah journal of science*, Vol. 27, No 4, **2016**.

2015

- 8- Fadhil Lafta Faraj, Metal Coordination Behaviour And Biological Activities Of Indole And Quinazoline Derivatives, *Thesis*, Faculty of Science University of Malaya Kuala Lumpur, **Malaysia, 2015**
- 7- Maryam Zahedifard, Fadhil Lafta Faraj, Mohammadjavad Paydar, Chung Yeng Looi, Maryam Hajrezaei1, Mohadeseh Hasanpourghadi, Behnam Kamalidehghan, Nazia Abdul Majid1, Hapipah Mohd Ali & Mahmood Ameen Abdulla, apoptotic activity of quinazolinone Schiff base

derivatives toward MCF-7 cells via intrinsic and extrinsic apoptosis pathways, *Scientific Reports*, 25 June **2015**

- 6- Ghulamullah khan^{1*}, Kazi Md. Salim Newaz, Wan Jeffrey Basirun, Hapipah Binti Mohd Ali, Fadhil Lafta Faraj, Ghulam Mustafa Khan, Application of Natural Product Extracts as Green Corrosion Inhibitors for Metals and Alloys in Acid Pickling Processes- A review, *Int. J. Electrochem. Sci.*, Vol. 10, **2015**
- 5- Maryam Zahedifard, Fadhil Lafta Faraj, Mohammadjavad Paydar, Chung Yeng Looi, Pouya Hasandarvish, Maryam Hajrezaie, Behnam Kamalidehghan, Nazia Abdul Majid, Shaden A.M. Khalifa, Hapipah Mohd Ali, Mahmood Ameen Abdulla* and Hesham R. El-Seedi*, Synthesis of Apoptotic New Quinazolinone-Based Compound and Identification of its Underlying Mitochondrial Signalling Pathway in Breast Cancer Cells, *Current Pharmaceutical Design*, 21, 3417-3426, **2015**
- 4- Ghulamullah Khan, Kazi Md. Salimnewaz, Wan Jeffrey Basirun, Hapipahbintimohd Ali, Fadhil lafta faraj & Magajiladan, Corrosion Inhibition Efficiency And Adsorption Mechanism of Some Schiff Bases At Mild Steel/Hcl Interface, *International Journal of Mechanical Engineering*, Vol. 4, Issue 4, 15-28 Jun - Jul **2015**

2014

- 3- Maryam Zahedifard, Fadhil Lafta Faraj, Maryam Hajrezaie, Nazia Abdul Majid, Mahmood Ameen Abdulla, Hapipah Mohd Ali, World Academy of Science, Synthesis and Cytotoxic Activity of New Quinazoline- Based Compounds Against Human Breast Cancer Cell Line MCF-7. *Engineering and Technology, International Journal of Pharmacological and Pharmaceutical Sciences*, Vol. 1, No. 10, 12th october **2014**
- 2- Fadhil Lafta Faraj, Hamid Khaledi, Yuma Morimoto, Shinobu Itoh, Marilyn M. Olmstead and Hapipah Mohd Ali, A Tetradentate β -Diiminato Ligand Containing Phenolate Substituents: Flexivalent Coordination to Mn^{III} , Co^{III} , Ni^{II} , and Cu^{II} , V. (33), P. 5752-5759. **2014**

- 1- Fadhil Lafta Faraj, Chung Yeng Looi, Maryam Zahedifard, Nazia Abdul Majid, Nura Suleiman Gwaram, Mohammadjavad Paydar, Hapipah Mohd Ali and Mahmood Ameen Abdulla, Synthesis, Characterization, and Anticancer Activity of New Quinazoline Derivatives against MCF-7 Cells. *The Scientific World Journal*, **2014**.

CONFERENCE PARTICIPATED AND PRESENTED

List of Conferences

- 1. Name of Conference: The 6st International Scientific Conference of Renewable Energies and Their Applications**

Title: Participation

Venue: University of Karbala, Iraq

Date: 21th-22th / 2 /2018

- 2. Name of Conference: the 1th International Scientific Conference**

Title: A meso-substituted β -dialdiminate-bis(phenolate) ligand in Mn(III), Co(III) , Co(II), Ni(II) and Cu(II) complexes

Venue: College of Science / University of AL- Qadisiyah / Iraq in Corporation with The Researcher Foundation To Coordinate Academic

Date: 19th-20th / 11 /2017

- 3- Name of Conference: Training Course in Integrated Based System**

Title: Continues Medical Education Section / College of Medicine / Diyala University

Venue: College of Medicine / Diyala University / Iraq

Date: 17th-18th / 9 /2017

4. Name of Conference: The 1st International Scientific of Nanotechnology and Advanced Materials in the Petroleum and Gas Industry

Title: participation

Venue: University of Technology, Baghdad, Iraq.

Date: 3th-4th may 2017

Certificate of appreciation

5. Name of Conference: The chemistry is mirror of development and progression

Venue: University of Baghdad, Faculty of Science Girls

Date: December 20-21th 2015

6. Name of Conference: The International Conference on Natural Product 2015(ICNP2015) is an annual conference of the Malaysian Natural Product Society (MNPS).

Title: C-Curarine Analogous Indolic Epoxy-1, 5-Diazocines As Cancer-Selective Cytotoxic Agents

Venue: Department of Chemistry, Faculty of science, Universiti Teknologi Malaysia, 81310 Johor Bahru, Johor, Malaysia

Date: Sep. 22-24th 2015

7- Name of Conference: The International Conference in chemistry

Title: Hepatoprotective Potential of 3-(5-bromo-2-hydroxymino)-2(5-bromo-2-hydroxyphenyl)-2,3-dihydroquinalonine-4(1H)-one in Sub- chronic liver Injury induced by Thioacetamide in Rates

Venue: Tokushima Bunri University, Japan

Date: August 30th – September 2nd 2015 ISPSA 2015, Tokushima

8. Name of Conference: ICC-41st international conference on coordination chemistry

Title: A meso-substituted β -dialdiminate-bis(phenolate) ligand in Mn^{III} , Co^{III} , Co^{II} , Ni^{II} and Cu^{II} complexes

Venue : Suntec International Convention & Exhibition Centre, Raffles boulevard, Suntec city, **Singapore**, 039593

Date: 21–25 July 2014.

9. Name of Conference: Celebrating the International Year of Crystallography, IYcr 2014

Title: Synthesis and Crystal Structures of $\text{Ni}(\text{II})$, $\text{Cu}(\text{II})$, $\text{Mn}(\text{III})$, $\text{Co}(\text{III})$ and $\text{Zn}(\text{II})$ Complexes of Indole Derivatives

Venue: Department of Chemistry, Faculty of Science, University of Malaya, **Malaysia**,

Date: 28th May 2014.

Activity: Oral presentation

10. Name of Conference: Online Conference

Title: The black seed (*Nigella Sativa*) “A cure for every illness” by the Saudi Council for health Specialties by 8 CME HRs.

Venue: Department of chemistry, Faculty of science, University of Malaya, **Malaysia**.

Date: 30th April, 2014.

11. Name of Conference: UM-NUS-CU trilateral mini symposium and scientific meeting

Title: A meso-substituted β -dialdiminate-bis(phenolate) ligand in $\text{Mn}(\text{III})$, $\text{Co}(\text{III})$, $\text{Co}(\text{II})$, $\text{Ni}(\text{II})$ and $\text{Cu}(\text{II})$ complexes

Venue: Department of chemistry, Faculty of science, University of Malaya, **Malaysia**.

Date: 11th- 12th February 2014

12. Name of Conference: Joint Malaysia- UK Symposium on Inorganic Chemistry

Title: A meso-substituted β -dialdiminate-bis(phenolate) ligand in Mn(III), Co(III) , Co(II), Ni(II) and Cu(II) complexes

Venue: Department of Chemistry, Faculty of Science, UM. Kuala Lumpur, **Malaysia.**

Date: 5th December **2013**

13. Name of Conference: UMRC

Venue: University of Malaya Researchers Conference. Kuala Lumpur, **Malaysia.**

Date: 19th-20th November **2012**

14. Name of Conference: 17th Malaysian Chemical Congress (17 MCC)

Title: Synthesis, characterization and biological activities of some new quinazolin Schiff bases derived from 2-minobenzhydrazide and substituted aromatic aldehydes

Venue: 2012 at the Putra World Trade Centre in Kuala Lumpur, **Malaysia**

Date: October15-17, **2012**

Seminar

1-Name of seminar: Safety and chemical security in chemical laboratories

Venue: Department of chemistry-Faculty of science- Diyala University, **Iraq.**

Date: 27-28th March, **2016.**

2-Name of seminar: Seminar on Materials Characterization by X-Ray Fluorescence (XRF) and X-Ray Diffraction (XRD).

Venue: Department of Chemistry, University of Malaya. **Malaysia.**

Date: 23 April **2014.**

3- ACA/IKM Skill Workshop for Young Malaysian Scientists and Engineers

Venue: Department of Chemistry, University of Malaya, Kuala Lumpur, Malaysia.

Date: 27 February, 2014.

Social Activities

-Member of Iraqi chemists association.

-Member of Iraqi teachers union.

Review of scientific and linguistic research

- 1- Inductively coupled plasma-atomic emission spectroscopy and inductively coupled plasma-mass spectrometry elemental analysis of 65 elements, 11 oxides and preparation of catalyst in *Iris postii* Mouterde.

Date: 21/ 8/ 2017

Manuscript Number: 394

- 2- Evaluation of Zinc, Copper, Chromium and Thyroid Hormones levels in Serum of Iraqi Women with Polycystic Ovarian Syndrome

Date: 25/ 8/ 2017

Manuscript Number: 366

- 3- Dye Sensitized Solar Cells by using natural Dyes anthocyanin dye extracted from red cabbage and chlorophyll dye extracted from palm leaf as Photosensitizer

Date: 25/ 8/ 2017

Manuscript Number: 371

4- Biochemical Study in Iraqi Patients with Chronic Renal Failure Therapy by Regular Hemodialysis

Date: 2/ 9/ 2017

Manuscript Number: 393

5- A simple and Sensitive Spectrophotometric Method for the Determination of Trace Amounts of Sulfadiazine in Pharmaceutical Drugs Sample

Date: 4/ 9/ 2017

Manuscript Number: 368

6- Preparation and Characterization Some monomers and Polymers Derivative From Azo - Schiff Base Compounds and Studying liquid Crystalline Properties, Electrical Conductivity and Dielectric Constant

Date: 13/ 9/ 2017

Manuscript Number: 388

7- Separation of amino acids Glutamic and alanine of extract Ethanolic solution for *Artemisia-herba-alba* (Asteraceae) Located in Northern and Western Iraq using High performance liquid chromatography (HPLC)

Date: 14/ 9/ 2017

Manuscript Number: 374Ch5-17

8- A preliminary study of the effect of drinking black tea on the absorption of iron in the blood

Date: 20/ 10/ 2017

Manuscript Number: 342

9- Synthesis, Spectral And Bacterial Studies Mixed Ligand Complexes of Schiff Base Derived from Methyldopa And Anthranilic Acid With Some Metal Ions

Date: 26/ 10/ 2017

Manuscript Number: IHJPAS-16-042

10- Thermodynamic study of the Adsorption of some of Azo Dyes on Activated carbon

Date: 3/ 11/ 2017

Manuscript Number: 409

11- Studying the relationship between gradient energy coefficient with occupied site fraction, temperature, density and surface tension for liquid cyclohexane

Date: 20/ 11/ 2017

Manuscript Number: 304

12- Synthesis and liquid crystalline study of 2,4-bis(4'-n-heptyloxybenzoyloxy)-benzylidene-4''-n'-alkoxy aniline

Date: 22/ 11/ 2017

Manuscript Number: 415

13-Synthesis and Characterization of Some New Dioxoisindolin Compounds Contains Thiazine,Azetidine,Thiazolidine and Amide Moities

Date: 27/ 11/ 2017

Manuscript Number: 421

14- Synthesis, Characterization and Theoretical Study of some Pyrazole Compounds

Derived from 1,1,2-Trimethylbenz[e] Indole

Date: 6/ 12/ 2017

Manuscript Number: 435

**15- Synthesis, Characterization and Studying Liquid Crystalline properties of Some Azo
- Schiff base Derivatives**

Date: 22/ 12/ 2017

Manuscript Number: 416

16- Gold Modification by Reduction of a Diazonium Salt Prepared From Aliphatic Diamine

Date: 23/ 12/ 2017

Manuscript Number: 434

**17- Analysis of Nickel Steel Alloys Using Inductively Coupled Plasma Atomic Emission
Spectrometry Technique**

Date: 29/ 12/ 2017

Manuscript Number: 432

**18- Synthesis and spectroscopic studies of Some Heterocyclic Compounds(2,3-
dihydroquinazolin,azetidin-2-one)Derived from Schiff Bases and studying their
bacterial activity**

Date: 16/ 1/ 2018

Manuscript Number: 451Ch12-17

- 19- Synthesis and Spectroscopic Studies of Some Heterocyclic Compounds(2,3-Dihydroquinazolin, Azetidin-2-one)Derived from Schiff Bases and Studying Their Bacterial Activity**

Date: 23/ 2/ 2018

Manuscript Number: 451

- 20- Synthesis and characterization of some derivatives of 3,4-dihydropyrimidin-2-(1H)ones**

Date: 29/ 3/ 2018

Manuscript Number: prime -2- chem21-2

- 21- Synthesis and biological activity evaluation of some new 1,3,5 triazine derivatives from-2-carbo`xylic acid.**

Date: 11/ 4/ 2018

Manuscript Number: prime -6- chem-6-3 (3)

- 22- Removal of Residual Chlorine from Water by Adsorption Using Apricot Shell Activated Carbon**

Date: 13/ 4/ 2018

Manuscript Number: 461

- 23- Silver Nanoparticles Synthesized by using *Matricaria chamomilla* extract and effect on bacteria isolated from dairy products**

Date: 14/ 4/ 2018

Manuscript Number: Djps – prime -7- chem-13-2

- 24- Synthesis and characterization of two 3,4-dihydropyrimidinone derivatives**

Date: 7/ 5/ 2018

Manuscript Number: 463

25- Synthesis of 2-Amino-5-Mercapto-1,3,4-Thiadiazole Compound and Some Derivatives and Biological Activity Evolution

Date: 25/ 5/ 2018

Manuscript Number: Djps – prime -15- chem-20-5

Manuscript Number: 435

26- Silver Nanoparticles Synthesized by Using *Matricaria chamomilla* Extract and Effect on Bacteria Isolated from Dairy Products

Date: 23/ 7/ 2018

Manuscript Number: 465

Examiner for Master Thesis

Internal Examiner

1-Candidate: Shahad Aanan Hatam Alwan

Programme: M.Sc. Organic chemistry

Date: 7/ 1/ 2018

Faculty: Science

Department: Chemistry

University: Diyala

Title of thesis: Synthesis, Characterization and Study of liquid Crystalline Properties of Some Organic Compounds and Evaluate The Efficiency of Their Use In Optical Devices

Supervision of Master Thesis

1- Candidate: Aseel Fayeq Ghaidan

Status: Completed 29/ 6/ 2018

Programme: M.Sc. Organic chemistry

Faculty: Science

Department: Chemistry

University: Diyala

Title: Synthesis and Characterization of Some New Indole Derivatives and Study their Anticancer Activity

2- Candidate: Rusul Adnan Nafia

Status: On going

Programme: M.Sc. Organic chemistry

Faculty: Science

Department: Chemistry

University: Diyala

Title: Synthesis and Characterization of New Schiff Bases and Evaluate their Biological Activity

3- Candidate: Ali Habeel Hasan

Status: On going

Programme: M.Sc. Organic chemistry

Faculty: Science

Department: Chemistry

University: Diyala

Title: Synthesis and Characterization of New Pyrazole Compounds and Study their Biological Activity

4- Candidate: Huda Sagban Lateef

Status: On going

Programme: M.Sc. Inorganic chemistry

Faculty: Science

Department: Chemistry

University: Diyala

Title:

5- Candidate: Reham Faek Hamed

Status: On going

Programme: M.Sc. Inorganic chemistry

Faculty: Science

Department: Chemistry

University: Diyala

Title:

التشكرات

1- شكر وتقدير من عمادة كلية العلوم- جامعة ديالى

الامر الاداري 1840 في 19-11-2017

2- شكر وتقدير من رئيس جامعة ديالى لاعضاء اللجان الامتحانية 2018

3- شكر وتقدير من عمادة كلية العلوم للبنات- جامعة بغداد

افي 21-11-2015

4- شكر وتقدير من طلبة المرحلة الرابعة- كلية العلوم-قسم الكيمياء - جامعة ديالى 2018

5- شكر وتقدير من عمادة كلية العلوم- جامعة ديالى

الامر الاداري 1924 في 3-7-2016

تسلسل 23

6- شكر وتقدير من عمادة كلية العلوم- جامعة ديالى

العدد 409 في 1-2-2016

7- شكر وتقدير من عمادة كلية التربية للعلوم الصرفة – ابن الهيثم - جامعة ديالى

العدد 2752 في 29-4-2018

الشهادات التقديرية

1- شهادة تقديرية من عميد كلية العلوم- جامعة ديالى لنشر بحوث علمية في مجلات علمية عالمية رصينة 2017

2- شهادة تقديرية من عميد كلية العلوم- جامعة ديالى نتيجة الجهود والعمل باللجان الامتحانية 2017

3- شهادة تقديرية من عميد كلية العلوم- جامعة ديالى نتيجة الجهود العلمية المتميزة والحصول على مرتبة علمية اعلى 2017