



CURRICULUM VITAE

PERSONAL DATA

Name and Surname: Tarek Ali Fahad Al Barah
Date of Birthday: 1958 **Place of Birthday:** basra -Iraq
Nationality: Iraqi **Material Status:** Married **Number of children:**3
Current Address: basra- Iraq **Sex:** Male
Tel. Number: 00964 7707075372 **e-mail:** drtarek_58@yahoo.com

Academic Affiliation Current
University: basra
Faculty: Education college for pure sciences
Department: Chemistry
General Specialization: **Chemistry - Fine Specialization:** **Organometallic**

ACADEMIC QUALIFICATION

First University Degree: B.Sc. **Date awarded:** 1980
College: Sciences **Name and Place of University:** basrah- Iraq

Second University Degree: M Sc **Date awarded:**1983
College: Sciences **Name and Place of University:** : basrah- Iraq
Thesis Title: Spectroscopic studies of some fluorinated copper & Vanadyle
 β -diketonate complexes

Third University Degree: Ph.D **Date awarded:** 1998
College: Sciences **Name and Place of University:** : basrah- Iraq
Thesis Title: : Spectroscopic studies of some molecular complexes
between DDQ and 2,1,3-Benzochalcogendiazole Derivatives, and
synthesise of Dinaphotellurepin compounds

EMPLOYMENT HISTORY

Institution (place of work)	Period		Job Title (Academic Rank)	Nature of Work	Type of Work
	From	To			
Basrah-University	1985	1993	Ass.lecture	Teacging &Research	Teacging &Research
Basrah-University	1993	1998	Lecture	Teacging &Research	Teacging &Research
Basrah-University	1998	2014	Ass.prof	Teacging &Research	Teacging &Research
Basrah-University	2014		Prof	Teacging &Research	Teacging &Research

UNIVERSITY TEACHING

1- Courses taught at undergraduate level

Institution	Course Title	Language of Instruction
Chemistry Dept.College of Education for pure sciences - Basrah-University	Inorganic chemistry (1 st class)Atomic structure	Arabic
Chemistry Dept.College of Education for pure sciences - Basrah-University	Inorganic chemistry (2 nd class)Main elements	Arabic
Chemistry Dept.College of Education for pure sciences - Basrah-University	Coordination chemistry	Arabic

2- Courses taught at graduate level

Institution	Course Title	Language of Instruction
Chemistry Dept.College of Education for pure sciences - Basrah-University	Organometallic chemistry	English
Chemistry Dept.College of Education for pure sciences - Basrah-University	Celluriumhemistry of Selnium &Tellurium	English
Chemistry Dept.College of Education for pure sciences - Basrah-University	Chemical application of group theory	English

3- Supervision of thesis and dissertations

Degree	Number	University
M.SC	14	Basrah-University
Ph.D	6	Basrah-University

CONFERENCES AND SYMPOSIA ATTENDED

Conferences and Symposia Attended	Date	Place
Symposium of chemistry	1990	Basra
First national Conferences of chemistry	2012	baghdad
First sci. Conferences of science college-	2013	kerbla
Marine science center Conference	2015	Basra

SCIENTIFIC RESEARCHES

- 1- T.A.Fahad ,A.K.Abass H.Baker and S.A.Jassim , ELECTRICAL AND OPTICAL PROPERTIES OF CHEMICALLY DEPOSITED Sn O₂ :I COATING J. Solar energy material ,17,425 -431 (1988)
- 2-T.A.Fahad and K .A.K.Ebraheem., The effect of substituents on the electronic and vibration spectra of Bis (p-substituted benzoyl 1,1,1,-trifluoroacetato)oxo vanadium (iv) complexes., Canadian j.of spectro.34,1,(1989)
- 3- T.A.ALSalim,F.S.Kummona, T.A.Fahad and G.A.Adam.,The rheological characterization of PVC with some new resinous ester Schiff base .,International meeting of the polymer KOREA 1990,64-66
- 4- T.A.Fahad ., Anew potentiometric method for the determination of the derivative of hydrazine and hydrazide with iodine J.Basrah Research,10,66-7(1993)
- 5-F.M.ALJabri , T.A.Fahad , N.L.Shabaldain, Determinatio of L-ascorbic acid in pharmaceuticals , J. of pure and applied science,2,49-54e (1994)
- 6- T.A.Fahad., potentiometric method for the determination of ascorbic acid with bis (N,N—disalicylaethylene diamine) Cobalt (III)complex, J.Basrah Research,13,18- 22(1997)
- 7-T.A.Fahad, N.L.Shabaldain and S.A.K.Hassan.,study of substitution effect by using ¹H,¹³CNMR.,spectroscopy for 1-benzoyl-2-furyl- , -dichlorocyclopropane J.Basrah Research, 15,123-138- (1998)
- 8-T.A.Fahad , spectroscophotometric studyon charge transfer complexes of p- chloranil with aromatic aminoacide J.Basrah Research, 18,87-94 (1999)
- 9-Ali,A.A. and Fahad,T.A., Use of mercury (II) as redox reaction in the ptentiometric determination of some hydrazo compounds,J.Basrah Research,24,59-64(2000)
- 10-T.A.Fahad, N.L.Shabaldain and Ali.H.Issa, charge transfer study between some Schiff bases and DDQ J.Basrah Research,28,102-107(2002)
- 11- Ali . A . A, Fahad , T, A., Rusen , L , A and Mohammed , I , K, synthesis and spectrophotometric studies of some new azodyes drivenfrom 2- thiobarbituric acid .part I: acid –base oroperties J.Basrah,, Research,24, 59- 64(2008)
- 12-
- 13- Ali Z Al-Rubaie a, Tarik A Fahad , Shaker A.N Al-Jadaan , Naji A Aboud, Synthesis and characterization of 2,7-dihydro-1H-dinaphtho[c,e]tellurepin: a new heterocyclic telluride, Journal of Organometallic ChemistryVolume 689, Issue 14, 15 July 2004, Pages 2377-2381
- 13-- Fahad , T, A , Ali . A . A, Mohammed , I , K, and Rusen , L , A,Spectrophotometric determination of silver azodyes driven from thibarbituric acid . part II: Silver Complexes, J.Basrah Research , 36 , 60-64 (2010)
- 14-Ali . A . A, Fahad , T, A and Mohammed , I , K, spectral properties of novel azodyes.partIII:Derived From Phenyl Acetic Acid J.Basrah Research , 37 , 131 -140(2011).
- 15-TAREK A. FAHAD*, ASSAD A. ALI and HAWRAA K. EBRAHEEM, Synthesis and Spectral Study of New Mercerized Azodyes and their Complexes with Copper(II)Chem Sci Trans., 2013, 2(4). 1402-1410
- 16- Asaad A. Ali, Tark A. Fahad and Wesam A.Abdullah, Synthesis and Spectral Properties of Some New Derivatives of 4-aminoantipyrine Azo Dyes(Part I), J.,Kufa,Sci.,8 ,59-69(2013)
- 17- Fahad,T.A. ,Ali,A.A. and Ibraheem,H.K. , Synthesis and Spectral Studies of Some Novel Organomercury Compounds Containing Azo Group and Their Complexes with Cupper (II), Basrah J.Sci., 32, 1-31 (2014)
- 18- Asaad A. Ali, Tark A. Fahad and Wesam A.Abdullah, Using 5-(4- aminoantipyrineazo)-8-hyroxquinoline as Complexometry Reagent With Cupper (II) and Zinc (II) Ions and its Biological Activity , J. of advances in Chemistry , 11 , 3382-3393 (2014)

- Rafid H. Al-Asadi, Tarek A. Fahad * and Bahjat A. Saeed Synthesis, Characterization and Anti-tumor Bioactivity of Some New organotellurium containing azo group Part II, Journal: Journal of Advances in Chemistry Vol. 9, No. 2078 -2091 3(2014)
- 20- Tarek a.Fahad and Shaker.A.N.AL-Jadaan Synthesis, Characterization and Thermal studies of Novel Organomercury Drivenfrom Sulfa Drugs Part 1 , Journal: Journal of Advances in Chemistry Vol. 7, No. 2 1338-1347(2014)
- 21- Rafid H. Al-Asadi¹, Tarik A. Fahad¹, Bahjat A. Saeed¹ and Wasfi A. Al- Masoudi, Synthesis, Characterization and Antitumor Activity of Some New Oganotellurium Compounds Containing Azomethine Group, Part One ,Journal: Journal of Advances in Chemistry Vol. 8, No. 1, 1464 (2014)
- 22- Tarek A. Fahad*, Asaad A. Ali and H. Abd-al-samad., SYNTHESIS NOVEL LIGENDS DERIVED FROM SULFADRUGS AND CHROMOTROPIC ACID AND THEIR COMPLEXES WITH OXOVANADIUM (IV) World Journal of Pharmaceutical Research 4, Issue 6, 2737-2752. , 2015.
- 23- Tarek a.Fahad and Shaker.A.N.AL-Jadaan Synthesis, Characterization and Thermal studies of Novel Organomercury Drivenfrom Sulfa Drugs Part 1 , Journal: Journal of Advances in Chemistry Vol. 7, No. 2 1338-1347(2014)
- 23--Rafid H. Al-Asadi¹, Tarik A. Fahad¹, Bahjat A. Saeed¹ and Wasfi A. Al- Masoudi, Synthesis, Characterization and Antitumor Activity of Some New Oganotellurium Compounds Containing Azomethine Group, Part One ,Journal: Journal of Advances in Chemistry Vol. 8, No. 1, 1464 (2014)
- 24-Tarek A. Fahad*, Asaad A. Ali and H. Abd-al-samad., SYNTHESIS NOVEL LIGENDS DERIVED FROM SULFADRUGS AND CHROMOTROPIC ACID AND THEIR COMPLEXES WITH OXOVANADIUM (IV) World Journal of Pharmaceutical Research 4, Issue 6, 2737-2752. , 2015.
- 25-Tarek A. Fahad ,Jassim A. AL-Hilfi¹, Naji Abood¹, 1 and Scott Turner², SYNTHESIS NOVEL LIGENDS DERIVED FROM SULFADRUGS AND CHROMOTROPIC ACID AND THEIR COMPLEXES WITH OXOVANADIUM (IV), Der Chemica Sinica, 2015, 6(11):37-41. ,
- 24-H., Yaqoob and. T. A. Fahad, PREPARATION, CHARACTERIZATION AND ANTIMICROBIAL ACTIVITY OF NEW AZO COMPLEXES ONTAINING PARACETAMOL MOIETY., World Journal of Pharmaceutical Research, Vol 05, Issue 01, 2016.,
- 25-Asaad A. Ali, Montha. Kh. H. and Tarek A. Fahad*"SPECTROPHOTOMETRIC STUDIES OF SOME TRANSITION ELEMENTS AS COMPLEXES WITH NEW AZODYE 2-(SULFAPYRIDINE AZO)-4,5-DIPHENYL IMIDAZOL" , World Journal of Pharmaceutical Research Vol 6, Issue 7, 2017. Page 239-
- 26-Tarek A. Fahad*, Rawaa H. Yaqoob and Asaad A. Ali, ANTIMICROBIAL ACTIVITY STUDIES, PREPARATION AND CHARACTERIZATION OF NEW AZO COMPLEXES DRIVEN FROM N-(4- HYDROXYPHENYL) ACETAMIDE, World Journal of Pharmaceutical Research, Vol 6, Issue 5, 2017. Page 101-
- 27-Asaad A. Ali, Montha. Kh. H. and Tarek A. Fahad*"SPECTROPHOTOMETRIC STUDIES OF SOME TRANSITION ELEMENTS AS COMPLEXES WITH NEW AZODYE 2- (SULFAPYRIDINE AZO)-4,5-DIPHENYL IMIDAZOLE., World Journal of Pharmaceutical Research, Vol 6, Issue 7, 2017,
- 28-Asaad A. Ali , Montha Kh. H. and Tarek A. Fahad ANALYTICAL STUDIES OF AZODYE 2-(SULFAPYRIDINE AZO)-4,5-DIPHENYL IMIDAZOLE AS REAGENT FOR COMPLEXES FORMATION WITH CADMIUM(II) AND MERCURY (II) ONS.,World Journal of Pharmaceutical Research 7.(06) 2018,103-114
- 29-Kawther A. F. Al Radi, Tarek A. Fahad* and Asaad A. Ali,SYNTHESIS AND SPECTRAL CHARACTERIZATION OF SOME TRANSITION METAL COMPLEXES OF AZO-SCHIFF BASE DERIVATIVE OF METOCLOPRAMIDE, World Journal of Pharmaceutical Research 7.(11) 2018
- 30-Tarek A. Fahad^{1*}, Kawther A. F. Al Radi¹ and Enas A. Bady, SYNTHESIS, CHARACTERIZATION AND ANTIBACTERIAL STUDY OF NOVEL AZO- SCHIFF BASE COMPLEXES DERIVED FROM SULFADIAZINE AND 2-(DIETHYLAMINO)ETHYL -4-AMINOBENZOATE, World Journal of Pharmaceutical Research, Volume 8, Issue 1, 265-276. 2019
- 31- Tarek A. Fahad*, Asaad A. Ali and Abdulshahed H. Baty, SYNTHESIS, CHARACTERIZATION AND ANALYTICAL STUDIES OF SOME NEW AZODYES DRIVEN FROM O-VANILLIN , World Journal of Pharmaceutical Research Volume 8, Issue 2, 707-715. 2019
- 32- Asaad A Ali, Tarek A Fahad, Alaa A Al-muhsin, Preparation and Spectroanalytical Studies of Two New Azo Dyes Based on Luminol, 2nd International Scientific Conference of Al-Ayen University (ISCAU-2020) IOP Conf. Series: Materials Science and Engineering 928 (2020) 052007 IOP Publishing doi:10.1088/1757-899X/928/5/052007 -
- 33- Alaa A Al-Muhsin , T A Fahad and A A ALI, Preparation and characterization azo dyes derived from 4- hydroxycoumarin and studying their analytical Applications., Journal of Physics: Conference Series 1999 (2021) 012010 IOP Publishing doi:10.1088/1742-6596/1999/1/012010
- 34- Noor Al AlBaheley*, Asaad A. Ali and Tarek A. Fahad., Synthesis, characterization, and spectroscopic properties of new azo dyes derived from Sulfamerazine based on β diketones and azo-metal (II) complexes., Journal of Physics: Conference Series 1999 (2021) 012017 IOP Publishing doi:10.1088/1742-6596/1999/1/012017
- 35- Noor Al AlBaheley*, T A Fahad and Asaad A Ali., Synthesis, spectroscopic, and thermal studies of azo compounds from luminol and procaine with acetylacetone and their complexes., Journal of Physics: Conference Series 2063 (2021) 012016 IOP Publishing doi:10.1088/1742-6596/2063/1/012016 1
- 36- Huda T Thuiny, Tarek A Fahad and Asaad A Ali., Preparation, analytical Studies and application of a New Azodye Derived from Pharmaceutical Materials (Procaine Hydrochloride & Salicylic acid),Journal of Physics: Conference Series 2063 (2021) 012024 IOP Publishing doi:10.1088/1742-6596/2063/1/012024 1
- 37- Adil Muala Dhumad a, Qusay M.A. Hassan b,*, C.A. Emshary b, Tarek Fahad a, Nabeel A. Raheem a, H.A. Sultan ., Nonlinear optical properties investigation of a newly synthesised Azo-(β)- diketone dye., Journal of Photochemistry & Photobiology, A: Chemistry 418 (2021) 113429
- 38- Dhumad A M, Hassan Q M A, Fahad T, Emshary C A, Raheem N A and Sultan H A 2021 Synthesis, structural

- 39- Sultan H A, Dhumad A M, Hassan Q M A, Fahad T, Emshary C A and Raheem N A 2021 Synthesis, characterization and the nonlinear optical properties of newly synthesized 4-((1,3-dioxo-1-phenylbutan-2-yl)diazenyl)benzenesulfonamide Spectrochimica acta. Part A, Molecular and biomolecular spectroscopy 251 119487
- 40- H.A. Sultan a , Adil Muala Dhumad , Qusay M.A. Hassan, Tarek Fahad , C.A. Emshary , Nabeel A. Raheem ., Synthesis, characterization and the nonlinear optical properties of newly synthesized 4-((1,3-dioxo-1-phenylbutan-2-yl)diazenyl) benzenesulfonamide ., Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy 251 (2021) 119487
- 41-Dhia A. Hassan a, H.A. Sultan b, Rafid H. Al-Asadi a, Qusay M.A. Hassan b,* , C.A. Emshary b, Tarek Fahad, DFT calculation and nonlinear optical properties of E-(2)-((8-hydroxyquinolin-5yl)diazenyl)-5-sulfamoylpheneyl)mercury(II) chloride, <https://doi.org/10.1016/j.physb.2022.413908>
- 42- Tadamun Sabah Younus and Tariq Ali Fahad, Synthesis and Thermal Studies of Some Metal azo Complexes Derived from Hydroxy coumarin. Journal of Kufa for Chemical Sciences Vol(2).No(9).....Nov 2022

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- 44- Nabeel A. Raheem, Qusay M.A. Hassan, Adil Muala Dhumad, H.A. Sultan, Tarek Fahad, C.A. Emshary, Nuah W. Ali, DFT structural and optical nonlinear investigations of a synthesized new azo β -diketone dye, Journal of the Indian Chemical Society, Volume 100, Issue 3, 2023, <https://doi.org/10.1016/j.jics.2023.10092>.