

# Curriculum Vitae



## Personal information :

Name: Dr. Hamdah Saleh Alanazi

Position: Assistant Professor

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## Educational Qualifications:

Ph.D. Degree, King Saud University, College of Science, Inorganic Chemistry, Metal Oxides and their Applications (11/07/2009)

Theses Titled " Contrivance of A new Synthetic Method of Transition Metal Oxides and Investigations of their Properties" under supervisor Prof . Mutasim I. Khalil

Master's Degree - King Saud University - College of Science - inorganic Chemistry-organometallic chemistry ( 2001)

Theses Titled " SYNTHESIS AND CHARACTERIZATION OF SOME ALKYNYL COININGE METAL COMPLEXES " under supervisor Prof. Omar M. Abu-Salah

Bachelor's Degree - King Saud University - College of Science – 1995 (with excellent honors)

## Academic qualifications

Assistant Professor: Department of Chemistry - King Saud University (2009 - present )

Lecturer: Department of Chemistry - King Saud University-( 2006-2009)

Teaching Assistant: Department of Chemistry - King Saud University (1998-2006)

## **Management positions (administrative leadership):**

Director Assistant of KSU Outstanding and Talented Students Program 2015- present (2022)

2012-2015 Head of the Quality Unit in College of Science

Co- Assistant Supervisor of Teaching Assistants and Lecturers Support Unit in the Scientific Departments 2010 - 2012

## **Practical and administrative experience and scientific activities**

### **Membership of committees, associations and administrative work**

Member of Saudi Chemical Society

Member of Some committees at the college level (Final Examinations Committee - Registration, Guidance, since 1998 -

Member of Several internal committees in the department (Library and Computer Committee, Teaching Load Distribution Committee, Monitoring Committee, etc.). Since 1998

Member of Committee for the Annual Report of the Chemistry department 2008-2009-2010 **at College Level**

Member of Steering Committee for Quality Representation of the Chemistry department Programme 1429-1431

Member of Academic Accreditation Committee of the Chemistry Section Programme from 1429-1439

Coordinator for female section for Scientific Research and Postgraduate Studies Commission (one of the quality committees) 1430-1431

Member of Project for the Development of occupational Training at the College and University Levels 2013- 2014

Member of ISO 9001-2008 team for College of sciences 2015 **at the College level** .

**Coordinator of inorganic specialist at chemistry department in 1437H**

Member of Training and Community Service Unit at College of sciences from 2016 for two years .

Member of Commission for the Study of the Value Added of Infrastructure to the University City of Female Students - Institutional Renewal Committees 2016 **at University Level for Dean of Development and Quality.**

Member of Support team for the Provision of Information, Statistics and Documentation for the Institutional Academic Renewal Project 2016 **at University Level for Dean of Development and Quality.**

Member of Alumni Unit in the College of Science for the year 2018-2019 **at the College level**

Member of Human Resources and Alumni Committee, Chemistry Department, 2018-2022

Member of Public Relations and Community Partnership Committee, Chemistry Department, 2018-2022

Coordinator of the Chemistry Program for Quality and Academic Accreditation form 2nd semester 2010-2012 **at the College level**

Supervisor of the Outstanding and Talented Students Club from 2018-2022 - **Dean of Student Affairs**

Coordinator of the Chemistry Initiative brings together alumni from the Chemistry Department since 2018.

Outstanding and Talented student Advisor A guide for the Outstanding and Talented Students Program for student Seetah Al-Harbi from the Department of Chemistry- KSU Outstanding and Talented Students.

Academic mentor for 10 students from 1438 to 1443( this year 7 student)

### **Teaching experience :**

Many practical courses in the chemistry department of King Saud University.  
Like practical courses 101 chem-249 chem -108 chem-251 chem-259 chem-428 chem , etc.

Theoretical courses currently taught or taught previously 101 chem -324 chem -107 chem-421 chem-422 chem -222 chem - 498 - 499 chem Research and Symposium - 497 chem (Training course) - 329 chem -201 chem – 321 chem , etc

### **Conferences Attendance**

Attending a scientific meeting in Lindau as a young researcher in the southern Germany - Lindau, dedicated for chemistry in that year ( 2009/06/28)

Attending at the 39th World Conference on Coordination Chemistry in Adelaide, Australia, 13-18-8-1431 AH 2010/07/25

Attending numerous conferences, workshops and lectures held at King Saud University and outside in Riyadh City

Participation by scientific poster in Water Arabia 2020 February 11,12 & 13 2020  
Location: Le Merdian Khobar, Saudi Arabia 2020/02/11

Attending of International Conference on Advanced Materials and their Applications 2021 from 7<sup>th</sup> to 9<sup>th</sup> March 2022

### **Workshops and training programmes**

#### **Training programmes**

Attending the First Training Workshop Design Education 1428 AH - Deanship of E-Learning and Distance Learning

E-Learning Design Training Program 7-1428 A.D. E-Learning and Distance Learning  
.At King Saud University

Attending the workshop entitled "Nano Research in Universities: The Way Towards Achieving the Vision of the Custodian of the Two Holy Mosques - King Saud University - 1428-1429 AH

Attending Creative Thinking Skills Development 12-1428H -Cultural Meeting - King Saud University

Attending the Training Program Developing knowledge in the field of specialization in the history of 2- 1429 H - Deanship of Skills Development - King Saud University

Attending the Training Program Effective University Teaching Planning 4- 1429 H. Amadah Skills Development - King Saud University

Attending the course of active learning and using it in the management of the big classes 4- 1429 H Deanship of Skills Development - King Saud University

Attending the 5-1429 AH Self Development Course - Deanship of Skills Development - King Saud University

Attending the training workshop Methods of evaluating students within the classrooms 51429H - Deanship of Skills Development - King Saud University

Attending Technical Integration Course in Teaching 5- 1429 H. Amadah Skills Development - King Saud University

Strategic Planning 1- 1430 e - Deanship of Skills Development - King Saud University

Problem Solving and Decision Making 2-1430H - Deanship of Skills Development - King Saud University

Building Tests 4-1430 AH - Deanship of Skills Development - King Saud University

Quality in University Education 4-1430 H - Deanship of Skills Development - King Saud University

Building and managing team work 4-1430 H - Deanship of Skills Development - King Saud University

E-Learning Management 7-1430H - National E-Learning Center  
And many other development programs during 1431 so far  
From the Deanship of Skills Development as well as the National Center for E-Learning

#### **Latest training programs in recent years:**

1. Collaborative learning 28-29/8/2012
2. Project proposals and research grants 8-9/11/1433
3. Women Leadership Training workshop: skills Development – 1-2/4/2013
4. Effective Teaching - Professional Certificate 25/8/2013
5. Micro-teaching 3/9/2013
6. Fundamentals of academic leadership 26-28/1/2014
7. Development of the Teaching File (Professional Degree Programme) 12/5/2014

8. Virtual classes 2-9-2014
9. Micro- teaching 15 - 9 – 2014
10. Understanding the merits and limitations of the patent of invention 15 - 4- 2015
11. Support for the provision of data needed to implement the King Saud Quality Management System (KSU-QMS 26-27/4/2015)
12. ISO Educational Institutions Quality Management System 10-14/5/2015
13. Use of social networks in education 7/12/2015
14. Direct student evaluation by professor by survey everywhere 7/2/2016
15. Clakers - Centre of Excellence in Learning and Education 1437 AH
16. In-depth study course on the International Parallel ISO 9001 - 28-29\1-5\6\1437
17. Certified Internal Investigator Qualification Course II/1437
18. Use of social networks in education 25 - 1437/02/25
19. Direct teacher-student evaluation via poll Everywhere - 28 - 1437/04/28
20. Keys to Excellence in the Teaching of Graduate Students - 08 - 1438/02/08
21. Developing effective research proposals - 29 - 1438/05/29
22. Publishing and disseminating - 01 - 1438/06/01
23. Presentation Program (Prezi) - 27 - 1439/05/27
24. Google Tools for Education - 22 - 1439/05/22
25. Scientific Dissemination in International Periodicals ISI- 03 - 1439/08/03
26. Cloud storage. 28/1/1440
27. Infographic graphics - 1440/03/27
28. Financial planning and budget -- 1440/03/13
29. Activities management - 1440/03/14
30. modern specific publications ecosystems - 25 - 1440/08/25
31. Mixed research - 1441/01/27
32. Evaluation of student performance and online learning - 1441/08/08
33. E-Learning Management System Fundamentals - 1441/08/12
34. Employment of distance education in the educational process - 1441/08/14 –
35. Application of academic ethics in electronic testing - 1441/08/16

36. Environmental analysis and sampling of drinking water and sanitation: Sep 28-30, 2020 - Technical Expert Training Centre
37. Statistical reporting skills using Excel 19-22/1/1442
38. Cybersecurity Fundamentals - 1442/01/27 –
39. Cloud computing recruitment skills in the administrative process - 27.28.1/1442) 2020 /9/16-15•
40. Information graphics - Infographic - 12-13/2/1442 29-30/2020
41. Why Volunteer (interactive workshop using First style) - 1442/10/27
42. Workshop of Heads of Mowhiba Enrichments programs -, March 2020
43. Workshop of Heads of Mowhiba Enrichments programs 2022 - Saturday, 5 March 2022

#### **Other technical training courses**

Training program of Data entry and text processor

Workshop Training of Computer maintenance

Workshop Training of Photoshop design

#### **Publications:**

1. Omar M. Abu-Salah, Mohammed H. Ja'far, a Abdel Razzak A. Al-Ohaly, Khalid A. Al-Farhan, Hamda S. Al-enzi, Oleg V. Dolomanov and Judith A. K. Howard " Synthesis and structural characterization of a Halide-Free Rhombohedral Silver Alkynyl CageComplex [Ag<sub>14</sub>(C<sub>2</sub>But)<sub>12</sub>][BF<sub>4</sub>]<sub>2</sub> ". Eur. J. Inorg. Chem. (2006), 2353-2356.
2. Mutasim I-khalil, **Hamda Al-Enzi** and Maha.AL-Qunaibit, " A New Route to the Preparation of K<sub>2</sub>CrO<sub>4</sub>" j, Saudi Chem. Soc., Vol. 11, No. 2, pp. 287-292 (2007).
3. Hanan Al-Hussain, Ismail Warad, **Hamda Al-Enzi**, Khalid Al-Farhan and Mohamed Ghazzali , " Crystal structure of *trans*-dichloro(1,4-*bis*-(diphenylphosphino) butane)-(N,N'-1,2-dimethyl-ethanediamine) ruthenium(II) , C<sub>32</sub>H<sub>40</sub>C<sub>12</sub>N<sub>2</sub>P<sub>2</sub>Ru " , Z. Kristallogr. NCS 227 (2012) 379-382 / DOI 10.1524/ncrs.2012.0192
4. Ismail Warad, Hanan AlHussen, **Hamdah Alanazi**, Refaat Mahfouz, Belkheir Hammouti, Mohammad A. Al-Dosari, Rawhi Al-Far, Taibi Ben Hadda , "Trans/cis isomerization of [RuCl<sub>2</sub>(diphosphine)(diamine)] complexes: Synthesis, X-ray structure and catalytic activity in hydrogenation" , *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy* 105 (2013) 466–473
5. Ali Alsalmeh, Aliyah A. Alsharif, **Hamda Al-Enzi**, Mujeeb Khan , Saad G.Alshammari, Mshari A. Alotaibi, Rais Ahmad Khan, and Mohammed Rafiq H. Siddiqui; Probing the Catalytic Efficiency of Supported Heteropoly Acids for Esterification: Effect of Weak Catalyst Support Interactions; Journal of Chemistry Volume 2018, Article ID 7037461, 10 pages

6. Facile one-pot green synthesis of Ag–ZnO Nanocomposites using potato peel and their Ag concentration dependent photocatalytic properties, Fahad A. Alharthi, Abdulaziz Ali Alghamdi, Nabil Al-Zaqri, **Hamdah S. Alanazi**, Amjad Abdullah Alsyahi, Adel El Marghany & Naushad Ahmad, *Scientific Reports*, 2020, 10, 20229
7. Photocatalytic Degradation of the Light Sensitive Organic Dyes: Methylene Blue and Rose Bengal by Using Urea Derived g-C<sub>3</sub>N<sub>4</sub>/ZnO Nanocomposites, Fahad A. Alharthi, Abdulaziz Ali Alghamdi, **Hamdah S. Alanazi**, Amjad Abdullah Alsyahi and Naushad Ahmad, *Catalysts* 2020, 10, 1457
8. Synthesis of Gd/N co-doped ZnO for enhanced UV-Vis and direct solar-light-driven photocatalytic degradation, **Hamdah S. Alanazi**, Naushad Ahmad and Fahad A. Alharthi, *RSC Adv.*, 2021, 11, 10194-10202
9. Hydrothermal Synthesis, Characterization and Exploration of Photocatalytic Activities of Polyoxometalate: Ni-CoWO<sub>4</sub> Nanoparticles, Fahad A. Alharthi †, **Hamdah S. Alanazi** †, Amjad Abdullah Alsyahi and Naushad Ahmad, *Crystals*, 2021, 11, 456
10. Upcycling olive oil cake through wet torrefaction to produce hydrochar for water decontamination, Shareefa Ahmed Alshareef, Marta Otero, **Hamdah S. Alanazi**, Masoom Raza Siddiqui, Moonis Ali Khan, Zeid A. Althman, *Chemical Engineering Research and Design*, 2021, 170, 13–22
11. Effective adsorption of crystal violet from aqueous solutions with effective adsorbent: equilibrium, mechanism studies and modeling analysis, Hamza S. Al-Shehri, Eyad Almudaifer, Ali Q. Alorabi, **Hamdah S. Alanazi**, Ali S. Alkorbi and Fahad A. Alharthi, *Environmental Pollutants and Bioavailability*, 2021, 33, 214–226
12. Green Synthesis of NiO Nanoparticle Using Ziziphus Spina-Christi Leaves Extract for Photocatalytic Methylene Blue Dye Degradation, **Hamdah S. Alanazi**, Hanan Alotaibi, Hamza S. Al-Shehri, and Fahad A. Alharthi, *Science of Advanced Materials*, 2021, 13, 1–8
13. Structural, Morphological and Optical Behavior of Green Synthesized NiO Nanoparticle for Methylene Blue Photo-Degradation, **Hamdah S. Alanazi**, Hanan Alotaibi, Hamza S. Al-Shehri, and Fahad A. Alharthi, *J. Nanoelectron. Optoelectron.* 2021, 16, 1684-1689
14. Adsorption of Methylene Blue by biosorption on alkali-treated Solanum incanum: isotherms, equilibrium, and mechanism, Hamza S. Al-Shehri †, **Hamdah S. Alanazi** †,

Areej Mohammed Shaykhayn, Lina Saad Alharbi, Wedyan Saud Alnafaei, Ali Q. Alorabi, Ali S. Alkorbi, Fahad A. Alharthi, Sustainability, **2022**, 14(5), 2644.

15. Simultaneous co-hydrothermal carbonization and chemical activation of food wastes to develop hydrochar for aquatic environmental remediation , Shareefa Ahmed Alshareef, Ayoub Abdullah Alqadami, Moonis Ali Khan, Hamdah S. Alanazi ,Masoom Raza Siddiqui, Byong –HunJeon , Bioresource Technology Volume 347, March 2022, 126363

16.

### **Community service**

1- Participation in University and Community Week events.

2- An induction workshop for on Quality Convoy Events for Both Science college ( 1435) and Nursing( 1436) entitled Accreditation Room and important doc's

3- Supervision of Qiyas tests with "Mawhibah" for one year- king Abdulaziz and his companion's Foundation for Giftedness and creativity

4- An innovative arbitration of talent students for three years 2014-2015-2016 with the king Abdulaziz and his companion's Foundation for Giftedness and creativity (Mawhibah)

5- Arbitration of innovation and scientific poster at the First Scientific Cultural Meeting of the Gulf States 2015

6- Participation in the Quality Achievement Event at King Saud University 2017 and 2018

7- Supervision of the External Summer Enrichment Programme for Outstanding Female Students in Malaysia –Johor City and University (University Tun Hussein Onn Malaysia (UTHM) 12-24/12/1438 H (3-15/9/2017)

8- Representation of the Outstanding and Talented Students Programme in the Women's Section at events, meetings in in the government and private sectors

9- Participation and coordination to represent the Outstanding and Talented Student Programme at its Career and Graduate Week for several years

10- Organization of expert and scholar meetings among the activities of the Programme for Outstanding and Talented Students in the Women's Section, coordination and follow-up of all training workshops, student meetings and meetings of women coordinators

11- Representing King Saud University as Head of the Summer 2021 Academic Enrichment Program with the king Abdulaziz and his companion's Foundation for Giftedness and creativity (Mawhibah) held at KSU from 22/12/1442 to 11/1/1443 AH for (105) high school students.

12- nominated this year 2022 to represent the King Saud University as the head of the local academic enrichment programme for the summer of 2022 with the king Abdulaziz and his companion's Foundation for Giftedness and creativity (Mawhibah)