

# Academic Curriculum Vitae



## Personal Information:

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## Degree:

**Scientific title: Professor** in College of Science/ Chemistry Department/ Salahaddin University-Erbil

## Graduated Degree

Ph.D. in Organic Chemistry, University of Basque country/Spain in 2007

M.Sc. in Organic Chemistry, University of Basque country/Spain in 2004

M.Sc. in Organic Chemistry, Salahaddin University-Erbil.

B.Sc. degree in General Chemistry, Salahaddin University-Erbil.

## Employment:

- Responsibility and working in Salahaddin University Chemical store for 6 months after Bachelor degree.
- Register of college of Pharmacy in Salahaddin University for 6 months.
- **General Register of Salahaddin University-Erbil from (1998-2001)**
- Responsible of the committee Health and Safety of the Chemistry departments for one-year 2010
- Responsible for the Import unit at Faculty of Science for (2010-2012)
- Director of Chemical Store Unit of Salahaddin University-Erbil from April 2016-2020.
- Director of Security unit in Salahaddin University from 2016 till now.

- Director of Environmental Unit in Salahaddin University-Erbil, from 2017 till 2019.
- Director of Social unit in Salahaddin University-Erbil from 2017 till 2019.
- Director of Health and Safety in Salahaddin University-Erbil from June 2012 until 24/12/2023

## Teaching experience:

- 1- Manipulation and treating with Chemical materials.
- 2- Teaching General and Organic Chemistry with practical for pharmacy, Biology, Physic and Environment Departments.
- 3- Teaching Identification of Organic Compound for 4<sup>th</sup> stage Chemistry Department.
- 4- Teaching Stereochemistry for 2<sup>nd</sup> stage Chemistry Department
- 5- Teaching Heterocyclic compounds for 4<sup>th</sup> stage Chemistry Department.
- 6- Teaching scientific debate 1<sup>st</sup> stage Chemistry Departments.
- 7- Teaching Chem-office for 1<sup>st</sup> stage Chemistry Department.
- 8- Teaching Organic Chemistry for 2<sup>nd</sup> stage Chemistry Department.
- 9- Teaching Mechanism of Chemical reactions for 3rd stage Chemistry departments.
- 10- Teaching Oxidation Reduction of Organic compounds for Ph.D. student in Chemistry Department.
- 11- Teaching Safety and Chemical Hazard for 1<sup>st</sup> stage Chemistry Department.
- 12- Teaching Spectroscopy for Master Students in Chemistry Department.
- 13- Teaching Stereochemistry for Master Students in Chemistry Department-Science.
- 14- Teaching the Chemistry of Drugs for Ph.D. students.
- 15- Teaching Mechanism of Chemical reaction 3<sup>rd</sup> stage Chemistry Department (one course).
- 16- - Teaching Stereochemistry 3<sup>rd</sup> stage Organic Chemistry (one course)
- 17- Teaching Advance Mechanism of Chemical reaction for PhD Student

## Skills:

## Language:

Kurdish, Arabic, English and Spanish

## Computer:

- 1- Administration of PC
- 2- Windows
- 3- Microsoft Office and Word Processing
- 4- Internet manipulation
- 5- Chem-office 19
- 6- Mystrick program
- 7- Science-finder program
- 8- Power point
- 9- Electronic learning
- 10- Excel

## Grants:

- 1- Chemical Security Improvement Grant (CSIG) for Salahaddin University-Erbil Warehouse 2017-2018.
- 2- Chemical Security Training Grant (CSP) for MOH 2018, I was the second Investigator with Dr. Brwa Koji.
- 3- Women Advance Chemical Security Grand over the Kurdistan region, and because of the Pandemic it was done online by Remote Training from September to November 2020, Sponsored by Global Affairs Canada.

## Training courses, Workshops and Webinars:

- 1- Chemical Safety and Security officer Training June 2012 University of Sulaymaniyah Iraq Sponsored by the United States Departments of State
- 2- **Coordinator** and participation for Chemical Safety and Security officer training 18-20 June 2013 Salahaddin University-Erbil Iraq, **Sponsored by the United States Departments of State**
- 3- Fire Safety coordination in University Buildings \ the course was held by AJG Ingenieure GmbH in Cooperation with the Ministry of Higher Education, KRG from oct 27<sup>th</sup> until 30<sup>th</sup> 2013
- 4- Training Course in IBRO Neuroscience held at Salahaddin University-Erbil Kurdistan Iraq, College of Science Biology department, March 11<sup>th</sup> -19<sup>th</sup>, 2014.
- 5- **Advance training on Chemical Safety & Security, workshop on (Implementing Effective Chemical Safety & Security oversight), Istanbul, Turkey 12-17 September 2015.**
- 6- The National Trainer Program Grooming Trainers in Kurdish Language, Growing Talent, Building the Future, Korek Academy, **29 May to 2 June 2016.**
- 7- **Participation in a 9-part Webinar series, each part being about 60-90 minutes in length,** done by Sandia National Laboratorie, the general outline is as follows:
  - a- Chemicals of Concern and other Dual-Use Materials of Concern, on March 15, 2017.
  - b- Use of Inventories and Other Controls to Minimize Risk– Assign Activity homework, on March 22, 2017.
  - c- Inventory Activity Discussion, on April 5, 2017.
  - d- Traditional Techniques for Chemical Weapon Neutralization and Destruction, on April 12, 2017.
  - e- Rapid decision making for laboratory chemical security, Wednesday, May 3, 2017.
  - f- Discussion on the Rapid Decision Making activity on Wednesday May 17, 2017.
  - g- Rapid Destruction and Neutralization Techniques of Laboratory Materials on Wednesday, May 24, 2017.
  - h- Emergency Preparedness Plans (EPPS), on Wednesday June 7, 2017.
  - i- Activity on Preparing an Emergency Preparedness Plan (EPP) on June 2017.
- 8- Participation in 6-part series webinar, each part being about 60-90 minutes in length,
  - a- September 27<sup>th</sup> 21:00, 2017: Plot Distribution in Iraq—*Dr. Andrew Nelson*
  - b- October 4<sup>th</sup> 21:00, 2017: The Terrorist Attack Cycle—*Mr. Steven Hill,*

- c- October 11<sup>th</sup> 21:00, 2017: Indicators of a Terrorist Attack—*Mr. Steven Hill*
  - d- October 18<sup>th</sup> 21:00, 2017: Communication of a Potential Terrorist Event—*Mr. Steven Hill.*
  - e- October 25<sup>th</sup> 21:00, 2017: Community Risk Assessment and Planning—*Dr. Andrew Nelson*
  - f- November 1st 21:00, 2017: Discussion: Success and Challenges to Security Events, *Dr. Andrew Nelson*
- 9- Participant in 6-part series webinar, each part being about 60 minutes in length.
- , “Plot Distribution and Indicators,” from Sandia National Laboratories,
  - a-** November 8th, 2017 - Introduction to Chemical Management—*Mr. Richard Kottenstette*
  - b-** November 15th ,2017 - Chemical Management Lifecycle— *Mr. Richard Kottenstette*
  - c-** November 22nd, 2017- Chemical Risk Management— *Mr. Richard Kottenstette*
  - d-** November 29th, 2017 - Chemical Security— *Mr. Richard Kottenstette*
  - e-** December 6th, 2017 - Chemical Inventory—*Dr. Andrew Nelson*
  - f-** December 13th, 2017 - Inherently Secure Chemistry— *Mr. Richard Kottenstette*
- 10- Training course on First Aid at the Ministry of Higher Education, Salahaddin University-Erbil, on 18-12-2017
- 1- A New webinar series chat which focused on principles and implementation strategies for “Know Your Customer”. This webinar series is a 3-part series, with each part being about 60 minutes in length. Based on feedback from previous webinar series.
- a- Introduction and Definitions to “Know Your Customer” January 24th, 2018
  - b- Know Your Customer: Practical Exercise January 31st, 2018
  - c- “Know Your Customer” Implementation Strategies and Resources, Feb 14th, 2018
- 11- A New webinar series chat which focused on principles and implementation strategies for “Know Your Customer”. This webinar series is a 3-part series, with each part being about 60 minutes in length. Based on feedback from previous webinar series.
- d- Introduction and Definitions to “Know Your Customer” January 24th, 2018
  - e- Know Your Customer: Practical Exercise January 31st, 2018
  - f- “Know Your Customer” Implementation Strategies and Resources, Feb 14th, 2018
- 12- Participation in Moodle program workshop (SU LMS workshop) on 07-02-2018, in Erasmus+ training center, Salahaddin University-Erbil.
- 13- Participation in the training course on (Managing Safely) and (Working Safely), A course approved and validated by the Institution of Occupational Safety and Health in association with View Group Institute for Training and Development, on 23-27\6\2018 in Erbil.
- 14- Material Control and Accountability and CIMS Software Training on 6-8 October 2019.
- 15- Participation in the 1st National workshop on The Importance of Stereochemistry in Science, Organized by TIU-Research Center, Tishk International University, Erbil, Kurdistan Region-Iraq, on 13th- 17th October 2019.
- 16- Participation in the First International Conference of Agri Sciences on 6th-7th November 2019 at SUE Cultural Center.
- 17- Scientific Proposal Writing Training, Writing for Publication workshop, Anbar University collaborated with SUE on 18-20 December 2019 in Guest House of SUE.
- 18- Participation in Cancer and Oncology Research Endeavour Symposium in Sheraton Hotel, Erbil, Iraq, February 2020.

- 19- Organizing, participation and presentation of (Bio-Risk Management) workshop held online on September (4-6), 2020.
- 20- Organizing, participation and presentation of (HSE-MS) Health, Safety and Environmental System workshop on February 7, 2021 in SUE Cultural Center.
- 21- Women Advance Chemical Security Remote Training, September-November 2020, Sponsored by Global Affairs Canada.
- 22- participation in the online Remote workshop: **SNL Online Workshop About Securing Iraq's Pesticides**, which was took place on July 1<sup>st</sup> and 2<sup>nd</sup>, 2021.
- 23- Chemical Risk management Curriculum Development Workshop, 30 October- 3 November, 2022, Antalya, Turkey, sponsored by United states, Department of state.
- 24- Webinar Series on Chemical Security Risk Assessment Training for Iraqi Academic Institutions 13 November – 27 December 2022, (Sandia National Laboratories).
- 25- Chemical Security Risk Assessment Training for Jordanian and Iraqi Academic Institutions, 10-12 September 2023 in Amman, Jourdan, Sandia National Laboratories and the Royal Scientific Society of Jordan
- 26- IRAQ-Chemical Risk Management Curriculum (CRMC) Development, remote workshop, enrolled 5-10-2023, completed 1-12-2023

### **Student supervision:**

- 1- Undergraduate research project supervision
- 2- Committee member of thesis of master of 2 students in chemistry Department\ College of Science\ Salahaddin University-Erbil before the Ph.D. study.
- 3- Supervision of two Master students in Organic Chemistry in Chemistry department, College of Science from March 2018.
- 4- Supervision of one Split site Ph.D. student from 20-3-2018 to March 2022.
- 5- Committee member as well as Supervisor for two Master students in Science Chemistry on October 2019, and January 2020
- 6- Member in postgraduate students from 2018.
- 7- Committee member for discussion of Ph.D. dissertation of four PhD students.
- 8- Supervising 3 Master students in Organic Chemistry from 2021-2023.
- 9- Supervising a PhD student now.

### **Associations and Membership of professional Bodies:**

- 1- Member in Chemists Syndicate
- 2- Member in Teacher syndicate
- 3- Member in EPA organization until 2018
- 4- Member in Board of Environmental Sciences from 15-8-2016 until 2019 in MOH
- 4- Member of the **Scientific Committee** and Graduate Studies of the Chemistry Department from 2017 till now.

- 5- Head and Member of many committees in the presidency of Salahaddin University-Erbil.
- 6- Member in CBRN committees in MHE in KRG.

## Congress:

The Six Tetrahedron Symposium Challenge in Organic Chemistry 29 June-1 July 2005. Bordeaux, France.

## Research and publications

- 1- Analysis of Phosphogypsum, the by-product of manufactured phosphoric acid.  
Determination of phosphorus and fluoride in phosphogypsum (with others), published in (Zanco), The Scientific Journal of Salahaddin University. Proceeding of first scientific conference of university 29-30 Nov. 1988, vol. 2, No. 2
- 2- Accurate determination of phosphogypsum and its applications in different purpose. (With others) Published in proceeding of the 2<sup>nd</sup> Scientific Research 1989)
- 3- Comparison of the concentration of some chemical elements in normal and parasitized sheep. (With others). Published in Journal of Science and Nature, A scientific journal issued by College of Science University of Salahaddin, Erbil /Iraq. No. 1, (8-12), Sep. 1991.
- 4- Comparison between the chemical elements in some organs and muscle of Slaughtered animals. (With others). Published in Journal of the college of Education, P.O Box 614, Erbil, Iraq, Ref. MC/499/68K, in 1994.
- 5- Spectrophotometric determination of phosphour in Populs-nigra L. Dibs-Plantation, Kirkuk-Iraq. (With others). Published in the second scientific conference 23-25 /1993 Erbil.
- 6- Photo Chlorination and Bromination of 2-Chlorobutane and 2-Bromobutane in a liquid phase. Published in Mustansria/ college of science/Baghdad, 4, no. 1. 1990.
- 7- Some Chemical studies for a plant of Populs-nigra L. that are distributed in Kurdistan-Iraq.  
II. Determination of some metallic elements in cross-section at different heights for a Tunk of Populus-nigra L. (Alone). (In Arabic): Published in the Journal of College of Education, P.O. Box 614, Erbil, Iraq in 12 June 1994
- 8- Adsorption of Fluoro and Chlorobenzaldehydes at the Dealuminized Zeolite water Interface. (With others). Published in (Zanco) Special Issue (2). Proceeding of third scientific conference of University of Salahaddin / Erbil in 3-4 June 1997.
- 9- C-10b Functionalized 5,6-dihydropyrrolo[2,1-*a*]isoquinolines as intermediates in the synthesis of erythrinane systems. Intra-*vs.* Intermolecular conjugate addition-based strategies. Iñaki Osante, Media N. Abdullah, Sonia Arrasate, Nuria Sotomayor, and Esther Lete, *Arkivoc*2007, (iv) 206-219.
- 10- Stereoselective synthesis of thiaerythrinanes based on an  $\alpha$ -amidoalkylation/RCM approach. Media Noori Abdullah, Sonia Arrasate, Esther Lete, Nuria Sotomayor, *Tetrahedron*2008, 64, 1323-1332.

- 11- A Facile four Component one pot Synthesis of Polyhydroquinoline derivatives in Water using Ultrasound Irradiation. (alone)Published in J. of Koya University No. 531, 2012
- 12- A Green Approach to the Synthesis, Characterization and Antibacterial Activity of Azomethine Derivatives under Ultrasonic Assisted Technique. (With others) Published in J. of Duhok University, No. 682, 2012
- 13- Green Approach: Multicomponent reactions of  $\alpha$ , and  $\beta$ -Naphthol using Zirconyl (IV)Chloride catalyst. (With others) Published in Editorial Board of Zanco J. of Pure and Applied Sciences, Salahaddin University-Erbil, No. 215, 2012
- 14- Synthesis of unsymmetrical, Symmetrical Schiff bases by Ultrasonic Assisted Technique and Biological Evaluation of their Metal-Complex. Published in Wassit J. for Science & Medicine editorial board 3, No. 277, 2012
- 15- Environmentally Benign Approach to the Synthesis of Some New Thiazolidinone Derivatives, Zanco Journal of Pure and Applied Sciences Vol.26, No.3, 2014
- 16- Synthesis of some Heterocyclic Compounds (Oxazepine, Diazepine) using Ultrasound Irradiation, introduced in the First International Conference on Engineering and Innovative Technology at the College of Engineering, Salahaddin University-Erbil, April 12-14 \2016. Published in ZANCO Journal of Pure and Applied Sciences, ZJPAS (2016) 28 (2) 29-36; s235-239
- 17- An Investigation of the Adoption of Educational Technology in Iraqi Higher Education: Evidence from Salahaddin University, Nisreen Ameen, Rob Willis and Media Noori Abdullah, Accepted and presented in Oxford University's Conference UKAIS, 13 April 2016, with others.
- 18- The use of e-learning by students in Iraqi universities: Potential and challenges, published in 8th International Visible Conference on Educational Studies & Applied Linguistics 2017, ISBN 978-0-9962570-7-7, Nisreen Ameen, Rob Willis and Media Noori Abdullah
- 19- Scalable Synthesis of Naphtho thiophene-base D- $\pi$ -D Extended Oligomers through Cascade Direct Arylation Processes, Andra Nitti, Peshawa Osw, Media N. Abdullah, Alessandro Galbiatic and Dario Pasini, Synlett, **2018**, 29, 2577-2581.
- 20- Synthesis, Spectroscopy study and biological activity of some New Heterocyclic compounds derived from Sulfadiazine. Sangar A. Hasan, Media N. Abdullah, Zanco Journal of Pure and Applied Science ZJPAS (**2019**), 31 (6), 92-109.
- 21- Synthesis, Characterization and Biological Evaluation of Some New heterocyclic compounds derived from 2-Naphthol, accepted in ZJPAS, **2019**, with others.
- 22- Synthesis, *in vitro* antimicrobial assay and Molecular Docking Studies of some new Symmetrical Bis-Schiff Bases and their 2-Azetidinones. Sangar Ali Hassan, Media Noori Abdullah, Dara Muhammed Aziz, Journal of Pure and Applied Science ZJPAS, 2020, 32 (1):1-16.
- 23- Synthesis and Evaluation of Scalable D-A-D  $\pi$ -Extended Oligomers as p- Type Organic Materials for Bulk-Heterojunction Solar Cells, Polymers **2020**, 12, 720.
- 24- Synthesis, Antimicrobial, DPPH Radical Scavenging Assays and Molecular Docking Study of New Series *N*-Phenyl pyrazoline Derivatives, Euroasian Journal of Science and Engineering, Vol.7, No. 1, **2021**.
- 25- Developing a Comprehensive Technique for Investigating Hazmat Transport Accidents, Iraj Mohammadfam, Media Noori Abdullah, Kamran Gholamizadeh, Journal of Failure Analysis and Prevention, Published online: 26 June **2021**.
- 26- Synthesis of New Series Bis-3-Chloro- $\beta$ -Lactam Derivatives from Symmetrical Bis-Schiff

- Bases as Effective Antimicrobial Agents with Molecular Docking Studies, *Science Journal of University of Zakho*, **2021**, Vol.9, No. 3, pp 128-137  
<https://doi.org/10.25271/sjuoz.2021.9.3.830>
- 27- An efficient One-pot three-component synthesis, Molecular docking, ADME and DFT predictions of new series Thiazolidin-4-one derivatives bearing a Sulfonamide moiety as potential Antimicrobial and Antioxidant agents, Sangar Ali Hassana, Media Noori Abdullah, Dara Muhammed Aziz, Egypt. *J. Chem.* (**2022**) Vol. 65, No. 8 pp. 141 - 156  
DOI: [10.21608/ejchem.2022.104381.4819](https://doi.org/10.21608/ejchem.2022.104381.4819)
- 28- Evaluation of oxidative stress and biochemical biomarkers, and psychological parameters in cement plant workers, Faezeh Darabi, Majid Keshavarzi, Media N Abdullah, *Toxicology and Industrial Health*, **2022**, Vol.38 (1), 29-40.
- 29- SARS-CoV-2 and Diabetes Mellitus (DM): A Comprehensive Review, Ajmal Rashid Bhat, Rajendra Sukhadeorao Dongre, Ragini Chintaman Patil, Media Noori Abdullah, Sangar Hassan, *Inventum Biologicum*, Vol. 2, Issue 2, **2022**.  
DOI: [10.5281/zenodo.6915243](https://doi.org/10.5281/zenodo.6915243).
- 30- Synthesis of Novel Michael Adducts and Study of their Antioxidant and Antimicrobial Activities, *Chemical Review and Letters*, **2022**, 5, 226-233.
- 31- Synthesis, Antimicrobial, Antioxidant Evaluation, and DFT Estimation of Some New Cyclohexenone Derivatives Derived from Benzyloxy Chalcones, *Current Organic Synthesis*, Vol.20, Issue 7, **2023**.  
DOI: [10.2174/1570179420666230126103401](https://doi.org/10.2174/1570179420666230126103401)
- 32- Aryl fluorosulfates: Powerful and versatile partners in cross-coupling reactions, Review article (with others), *Royal Society of Chemistry (RSC Adv.)*, **2023**, 13, 13642.  
DOI: [10.1039/d3ra01791e](https://doi.org/10.1039/d3ra01791e)
- 33- *In Vitro* and *In Vivo* Evaluation of the Antimicrobial, Antioxidant, Cytotoxic, Hemolytic Activities and *In Silico* POM/ DFT/ DNA-Binding and Pharmacokinetic Analyses of new Sulfonamide bearing Thiazolidin-4-ones, *Journal of Biomolecular Structure & Dynamics*, **2023**,  
DOI: [10.1080/07391102.2023.2226713](https://doi.org/10.1080/07391102.2023.2226713)
- 34- Design and Synthesis of Oxazepine Derivatives from Sulfonamide Schiff bases as Antimicrobial and Antioxidant agents with low Cytotoxicity and Hemolytic Prospective. *Journal of Molecular Structure*, **2023**, 136121.  
<https://doi.org/10.1016/j.molstruc.2023.136121>.
- 35- Recent progress in reductive carboxylation of C–O bonds with CO<sub>2</sub>, *RSC Advances*, **2023**, 13, 32502.  
<https://doi.org/10.1039/d3ra04073a>.
- 36- Methods for hydrosulfonylation of alkenes, *Journal of Sulfur Chemistry*. REVIEW ARTICLE, **2023**.  
© **2023** Informa UK Limited, trading as Taylor & Francis Group  
<https://doi.org/10.1080/17415993.2023.2278602>
- 37- Reductive coupling of nitro compounds with boronic acid derivatives: an overview, *RSC Adv.*, **2023**, 13, 33390–33402  
DOI: [10.1039/d3ra05100e](https://doi.org/10.1039/d3ra05100e)

- 38- Green preparation of new pyrimidine triazole derivatives via one-pot multicomponent reactions of guanidine, *Molecular Diversity*, **2023**.  
<https://doi.org/10.1007/s11030-023-10754-z>
- 39- A synergistic investigation of azo-thiazole derivatives incorporating thiazole moieties: a comprehensive exploration of their synthesis, characterization, computational insights, solvatochromism, and multimodal biological activity assessment, *RSC Adv.*, **2023**, 13, 34534.  
<https://doi.org/10.1039/D3RA06469G>
- 40- Sonochemical synthesis of New Thiazolidin-4-one derivatives as potent anticancer and antimicrobial agents with Docking design, and Energy gap estimation. *Journal of Molecular Structure*, 1301 (2024) 137282. <https://doi.org/10.1016/j.molstruc.2023.137282>
- 41- Two New Cyclohexenone Derivatives: Synthesis, DFT Estimation, Biological Activities and Molecular Docking Study, *Journal of Molecular Structure* 1301 (2024) 137361.  
<https://doi.org/10.1016/j.molstruc.2023.137361>
- 42- Producing p-tolylmethanol derivatives through an ecofriendly electro-organic method: A highly efficient Grignard reaction utilizing a magnesium electrode, *Applied Organometallic Chemistry*, **2024**; e7435. IF=3.9  
<https://doi.org/10.1002/aoc.7435>
- 43- Green Synthesis of New Spiro Ninhydrin Derivatives Using Multicomponent Reaction of Electron-Deficient Compounds, POLYCYCLIC AROMATIC COMPOUNDS,  
<https://doi.org/10.1080/10406638.2023.2281465>
- 44- Recent trends in incorporation of CO<sub>2</sub> into organosulfur compounds via C–S bond cleavage. *RSC Adv.*, **2024**, 14, 15680–15690. <https://doi.org/10.1039/d4ra02405b>.