

Date 01/10 /2024



MOHAMMED SHARIF AL-SHERAIDEH

FACULTY FULL NAME: Faculty of Applied Medical Sciences

PERSONAL INFORMATION

Title: Dr.

Academic Rank: Associated Professor.

Date & Place of Birth: 24 Jan 1959 / Amman

Nationality: Jordanian

Address: Shafa Badran Almorooj Section -1– Maher Al-Sheraideh St.

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Academic Qualifications

Degree	Major	Duration (From- To)	University	Country
Ph.D.	Chemistry	2001	Hull	U. K
MSc.	Analytical Science	1997	Hull	U. K
B.Sc.	Chemistry	1982	Yarmouk	Jordan
Diploma	Teaching & learning in Education	1982	Yarmouk	Jordan

TEACHING EXPERIENCE

Duration	Rank	Institution	Department/Faculty	Country
1990 -1994	Lecturer	Mut'ah University/ Directorate of Royal Medical Services (DRMS) – Jordan Armed Forces.	Princess Monna College of Nursing and Applied Science.	Jordan
1999 - 2004	Assistant Prof.	Directorate of Royal Medical Services (DRMS)	College of the Royal Medical Services and Allied Medical Professional.	Jordan
2004 - 2010	Assistant Prof.	Convince Academy for Training & Consulting	Consultant and Training Department	Jordan
2010 -2011	Assistant Prof.	Aljouf University	College of Applied Medical Sciences/ Department of Medical Laboratory.	Saudi Arabia
2012-2015	Associated Prof.	Royal University for Medical Sciences	Faculty of Allied Medical Sciences	Jordan
2015-2024	Associated Prof.	Imam Abdulrahman bin Faisal (Dammam Un.)	Sciences College - Department of Chemistry	Saudi Arabia

PROFESSIONAL RECORD

Date	Job Rank	Place and Address of Work
2022	Member	trustee's board Yarmouk University Jordan
2022	Member	Academic & Legal Committee Yarmouk University Jordan
2021	Head	Chemistry Curriculum Committee Department of Chemistry, Imam Abdulrahman bin Faisal. College of Sciences Dammam Saudi Arabia
2021	Member	Postgraduate Studies Program Development Committee Department of Chemistry, Imam Abdulrahman bin Faisal. College of Sciences Dammam Saudi Arabia
2021	Member	Development and upgrading Committee for teaching and learning strategies of scientific academic programs Department of Chemistry, Imam Abdulrahman bin Faisal. College of Sciences Dammam Saudi Arabia
2019	Member	Committee of Higher Program & Development for Environmental Sciences Department of Chemistry, Imam Abdulrahman bin Faisal. College of Sciences Dammam Saudi Arabia

دائرة الموارد البشرية
Human Resources Department

2018	Member	Committee of Academic Program & Development	Department of Chemistry, Imam Abdulrahman bin Faisal. College of Sciences Dammam	Saudi Arabia
2016	Member	Committee of plans development and curricula in chemistry	Department of Chemistry, Imam Abdulrahman bin Faisal. College of Sciences Dammam	Saudi Arabia
2015	Member	Committee of quality for Academic Accreditation	Department of Chemistry, Imam Abdulrahman bin Faisal. College of Sciences Dammam	Saudi Arabia
2015	Member	Committee of Teaching and Learning Strategies	Department of Chemistry, Imam Abdulrahman bin Faisal. College of Sciences Dammam	Saudi Arabia
2012	Member	Committee of plans Development and curricula in Medical Labs and Analytical Sciences	Royal Medical Services	Jordan
2012	Dean	Faculty of Allied Medical Sciences	Royal University for Medical Sciences	Jordan
2011	Member	Committee of plans Development and curricula in Medical Labs and Analytical Sciences	Aljouf university Applied College of Medical Laboratories & sciences	Saudi Arabia
2011	Academic	Staff member	Aljouf University College of Applied Medical Sciences-Department of Medical Laboratory	Saudi Arabia
2008	Manager	Manager	Convince Academy for Training & Consulting	Jordan
1990	Academic	Staff member - Part-time lecturer	Mut'ah University, department of Princess Monna College of Nursing and Applied Science. Directorate of Royal Medical Services (DRMS) – Jordan Armed Forces	Jordan
2003	Academic	Staff member - Full-time lecturer	College of the Royal Medical Services & Allied Sciences, Directorate of	Jordan

				Royal Medical Services (DRMS) – Jordan Armed Forces	
1986	Head	Instrumental Analysis Department	Chemical	Industrial Laboratory for Quality Control and Assurance.-Jordan Armed Forces	Jordan
1984	Practitioner	Biochemistry and microbiology laboratories		Al-Husain Medical City Directorate of Royal Medical Services - Jordan Armed Forces.	Jordan
1983	Lab Technician	Monitoring testing, drinking water and waste disposal sites. Chemist, Medical & chemical Analyst		Environmental & Medical labs-Jordan Armed Forces	Jordan

ADMINISTRATIVE POSITIONS HELD

Date	Administrative Position	Office
2024	Dean of College of Applied Medical Laboratories Sciences	Amman Arab University - Jordan
2022	Member of Trustee's board	Yarmouk University - Jordan
2012	Dean of Faculty of Allied Medical Sciences	Jordan
2008	Manager of Convince Academy for Training & Consulting	Jordan
2004	Executive Director at Ayla Tetra Scientific Co., / Jordan, for medical and scientific instruments and their supplies	Jordan
1993	Head of Instrumental Chemical Analysis Department at Industrial Laboratory for Quality Control and Assurance.	Jordan Armed Forces

SCIENTIFIC ACHIEVEMENTS

Published Refereed Scientific Research

#	Name of Investigator(s)	Research Title	Publisher - Date of Publication
1	MOHAMMED SHARIF AL-SHERAIDEH	Mechanistic Study on DNA Mutation of the Cytosine Methylation Reaction at C5 Position.	Arabian Journal of Chemistry Ms. Ref. No.: ARABJC-D-22-00441., 2022. (accepted).
2	MOHAMMED SHARIF AL-SHERAIDEH	LC-MS/MS Screening, Total Phenolic, Flavonoid and Antioxidant Contents of Crude Extracts from Three Asclepiadaceae Species Growing in Jordan.	Molecules – MDPI 25 January 2022 Published: 27 January 2022, 859. https://doi.org/10.3390/27030859 molecules

- 3 MOHAMMED SHARIF AL-SHERAIDEH Thermal Degradation and Bimolecular Decomposition of 2-Ethoxyethanol in Binary Ethanol and Isobutanol Solvent Mixtures: A Computational Mechanistic Study. *ACS Omega* Published by American Chemical Society May 12, 2021, *ACS Omega* 2021, 6, 20, 13365–13374 <https://doi.org/10.1021/acsomega.1c01318>
- 4 MOHAMMED SHARIF AL-SHERAIDEH Phytochemical analysis, antioxidants and in vitro β -galactosidase inhibition activities of Juniperus phoenicea and Calicotome villosa methanolic extracts. *BMC Chemistry* BMC Chem. 2021 Oct 4;15(1):55. doi: 10.1186/s13065-021-00781-y. Published online 2021 Oct 4. PMID: 34607602
- 5 MOHAMMED SHARIF AL-SHERAIDEH Antioxidant activity of crude extracts and essential oils from flower buds and leaves of Cistus Creticus and Cistus Salviifolius. *Arabian Journal of Chemistry* Volume 13, Issue 7, 30 May 2020, Available July 2020, Pages 6256-6266 <https://doi.org/10.1016/j.arabjc.2020.05.043>
- 6 MOHAMMED SHARIF AL-SHERAIDEH Phytochemical Constituents of Natural Extract of Prickly Pads (*Opuntia Ficus-Indica*) from Northern and Middle Provinces of the Midle East Area using (ICP-EAS)/(GC-MS) techniques. *Journal Der Pharmacia Lettre*, December 31,2018, Volume 10 Issue [11] Pages 37-49
- 7 MOHAMMED SHARIF AL-SHERAIDEH Spatiotemporal Water Quality Assessment of Dumate Al-Jandal Lake (KSA) Using Environmetric Techniques. *Journal of advances in natural sciences* 2018, 5(1), 412–437. <https://doi.org/10.24297/jns.v5i1.7949>
- 8 MOHAMMED SHARIF AL-SHERAIDEH Levels of Mercury Discharges in Wastewater from Dental Clinics, in the Region of Amman, Zarqa and Irbid, Jordan *Journal of the Royal Medical Services, Jordan* Vol.1, 6 Issues, 2000
- 9 MOHAMMED SHARIF AL-SHERAIDEH Studying the Development of Hydride Generation Method for the Arsenic Analysis in Environmental Samples Using Flow-Injection Analysis with Atomic Spectroscopic Detection. *A Journal of Science for Development / Science version* Vol.5,3 Issues, 2000

- 10 MOHAMMED SHARIF AL-SHERAIDEH Experimental Toxicity Studies of Cadmium in Human Blood Serum in Jordan Using Inductively Coupled Plasma (ICP) Technique A Journal of Science for Development / Science version Vol.5, 2 Issues, 1999
- 11 MOHAMMED SHARIF AL-SHERAIDEH Chemometric analysis of elemental data obtained by Inductively Coupled Plasma Optical Emission to assess the pollution status of the Zarqa Stream in Jordan. Journal of Environmental Monitoring/ Issue 11, 1999.
- 12 MOHAMMED SHARIF AL-SHERAIDEH Multivariate analysis of elemental data obtained from water, sediment and plant samples associated with the Zarqa Stream in Jordan. Journal of Environmental Monitoring/ Issue 5, 1998.
- 13 MOHAMMED SHARIF AL-SHERAIDEH Chemometric analysis of elemental data obtained by Inductively Coupled Plasma Optical Emission to assess the pollution status of the Zarqa Stream in Jordan. Journal of Environmental Monitoring/ Issue 11, 1999.
- Books**
- 14 MOHAMMED SHARIF AL-SHERAIDEH Introduction to Biochemistry, part (1). (In Arabic), 1999. Books: Dar Wael for publishing -Jordan
- 15 MOHAMMED SHARIF AL-SHERAIDEH Introduction to Clinical Biochemistry. part (1) and (2). (In Arabic), 2000. Books: Dar Wael for publishing -Jordan
- 16 MOHAMMED SHARIF AL-SHERAIDEH Introduction to Organic Chemistry (In Arabic), 1st Ed.1995 and 2nd Ed. 2001 B. Books: Dar Wael for publishing -Jordan
- 17 MOHAMMED SHARIF AL-SHERAIDEH Reviews in Modern Fundamental of Medical Physics (In Arabic), 1995 Review: Dar Wael for publishing -Jordan

SCIENTIFIC RESEARCH PAPERS PRESENTED TO REFEREED SPECIALIZED SCIENTIFIC CONFERENCES

CONFERENCE

#	Author/(s)	Title	Conference	Country	Date
1	Dr. Mohammed Alsheraideh	Identification of children at risk for lead poisoning.	The fifth scientific medical day of pediatric department-	Jordan	2000.
2	Dr. Mohammed Alsheraideh	Mercury and Strontium Discharges in Wastewater from Dental Clinics, Jordan	International Conference held by the University of Jordan,	Jordan	1999
3	Dr. Mohammed Alsheraideh	Levels of Mercury Discharges in Wastewater from Dental Clinics, in The Region of Amman, Zarqa and Irbid, Jordan	National Conference in the Dental Association,	Jordan	1998
4	Dr. Mohammed Alsheraideh	The guide for theoretical aspects in Chemistry for High School Courses.	Ministry of Education	Jordan	2004
5	Dr. Mohammed Alsheraideh	Identification of children at risk for lead poisoning.	The fifth scientific medical day of pediatric department	Jordan	2000
6	Dr. Mohammed Alsheraideh	Mercury and Strontium Discharges in Wastewater from Dental Clinics	International Conference held by the University of Jordan	Jordan	1999
7	Levels of Mercury Discharges in Wastewater from Dental Clinics, in the Region of Amman, Zarqa and Irbid, Jordan.	National Conference in the Dental Association.	Dental Association	Jordan	1998
8	The 4th Saudi International Nanotechnology Conference	International Nanotechnology Conference	Nanotechnology Conference	KSA	2016

9	The 4th International Laboratory and Technology Conference and Exhibition	International Laboratory and Technology Conference	(LabTech)	Qatar Jordan	2017
10	Attend many workshops & training courses in different sectors	such as educational and learning programme, strategies developments for accreditation...etc.	Attendance	-	Till 2024

COMPLETED RESEARCH PROJECTS

Report Date	Name of Investigator(s)/(Supported by)	Research Title	Country
2004	Dr. Mohammed Alsheraideh & Ministry of Education	Participation as experts in the guide for theoretical aspects in Chemistry for High School Courses	Jordan
1999	Dr. Mohammed Alsheraideh & Ministry of Water and Irrigation, Ministry of Agriculture and Higher Council for Science and Technology.	Impact of Life patterns on Population, Environment and development Formula Government Research	Jordan

MEMBERSHIP OF SCIENTIFIC AND PROFESSIONAL SOCIETIES AND ORGANIZATIONS

- Member of the Jordan Biodiversity National Committee - Ministry of Environment – Headed by Prince Basma Bent Ali.
- Member of the Jordanian Environmental Pollution Society.
- Member in Directorate of Standards and Metrology - Amman - Jordan.
- Member of Labs Research Committee – National Center for Agriculture Research & Technology Transfer Ministry of Agriculture.
- Member of the Saudi Chemical Sciences Society.

TEACHING ACTIVITIES

BRIEF DESCRIPTION OF UNDERGRADUATE COURSES TAUGHT

Teaching at: -

- Amman Arab Un., College of Applied Medical Laboratories Sciences.
- Imam Abdulrahman bin Faisal (Dammam Un.)- Sciences College - Department of Chemistry.
- Aljouf University - College of Applied Medical Sciences- Department of Medical Laboratory.
- Princess Monna. Royal College of Nursing and Allied Medical Professional. Jordan - Mut'ah university - Armed Forces department.
- Royal College of Nursing and Allied Medical Professional. Prince Aysha Bent Alhusain Complex - Armed Forces department- Jordan

COURSES WERE TAUGHT SEVERAL TIMES THROUGH THE PERIOD 1995-2022. (DIPLOMA, BACHELOR, MASTER, PH.D., DEGREES)

Environmental chemical analysis course for Ph.D., degree. Imam Abdulrahman bin Faisal Sciences College - Chemistry Department- KSA.

Advanced chemical separation course for MSc. degree. Imam Abdulrahman bin Faisal Sciences College - Chemistry Department- KSA.

Bioanalytical chemistry for Biology BSc. Imam Abdulrahman bin Faisal Sciences College - Chemistry Department- KSA.

General chemistry & Organic Chemistry for Nursing and Medical laboratory. DRMS-Jordan.

Clinical Biochemistry for medical & Nursing.

Biochemistry for Medical & Nursing- for Nursing and Medical laboratory. DRMS-Jordan

Clinical and Analytical chemistry for Pharmacy assistant. for Nursing and Medical laboratory. DRMS-Jordan

Analytical Chemistry and Food Analysis (Technician officers)

Research Methods (Graduate) for BSc., Aljouf Un., KSA. Applied Medical Sciences College – Medical Laboratories Department.

Introductory to Analytical Chemistry for BSc., Imam Abdulrahman bin Faisal Sciences College - Chemistry Department- KSA.

Research Project for chemistry. BSc., Imam Abdulrahman bin Faisal Sciences College - Chemistry Department- KSA.

Green chemistry & Chemometrics courses for BSc., Imam Abdulrahman bin Faisal Sciences College - Chemistry Department- KSA.

Environmental chemical analysis for BSc., Imam Abdulrahman bin Faisal Sciences College - Chemistry Department- KSA.

Instrumental Chemical Analysis-I & II for BSc., Imam Abdulrahman bin Faisal Sciences College - Chemistry Department- KSA.
Introductory to analytical chemistry for chemistry. Imam Abdulrahman bin Faisal Sciences College - Chemistry Department- KSA.
Transitional elements. Imam Abdulrahman bin Faisal - chemistry department- KSA.
Computer Application (Chemometric) in Chemistry for BSc., Imam Abdulrahman bin Faisal Sciences College - Chemistry Department- KSA.
Clinical Instrumental Analysis. Aljouf Un., KSA. Applied Medical Sciences College – Medical Laboratories Department.
Independent study for Undergraduate students. Aljouf Un., KSA. Applied Medical Sciences College – Medical Laboratories Department.
Clinical Analytical Chemistry- Aljouf Un., KSA. Applied Medical Sciences College – Medical Laboratories Department.
Instrumentation Analysis Techniques. Aljouf Un., KSA. Applied Medical Sciences College – Medical Laboratories Department.
Industrial chemistry Aljouf Un., KSA. Applied Medical Sciences College – Medical Laboratories Department.
Advanced Analytical Chemistry Aljouf Un., KSA. Applied Medical Sciences College – Medical Laboratories Department.
Supervising Projects for postgraduate & undergraduate students Aljouf Un., KSA. Applied Medical Sciences College – Medical Laboratories Department.

OTHER DUTIES

- Supervisors of the spectroscopic labs.
- Supervisor of Chemical & instrumental labs.
- Establishing & developing teaching strategies in analytical laboratories with Saudi Arabia private Organization.
- Training course in building capacity development & designing cities for trainee of Bahraini Municipalities with the Horizon for Environment & Development – private sector / Bahrain Kingdom. 2004
- Training Course & Practical application of QC & QA measures on COD, AAS, Nitrogen, NH₃, NO₃ and NO₂, Atomic Absorption, ICP, Microwave digestion system and Microbiological tests for wastewater... etc., tests / Bahrain Kingdom. 2005.
- Levels of Mercury Discharges in Wastewater from Dental Clinics, in The Region of Amman, Zarqa and Irbid, Jordan. (National Conference in the Dental Association, Amman-Jordan, 1998).
- Mercury and Strontium Discharges in Wastewater from Dental Clinics, Jordan. (International Conference held by the University of Jordan, Amman-Jordan, 1999).
- Identification of children at risk for lead poisoning. The fifth scientific medical day of pediatric department, Amman-Jordan, 2000.
- Participation as experts in the guide for theoretical aspects in Chemistry for High School Courses, held by the Ministry of Education, Amman-Jordan 2004.
- Participation as experts in the guide for feasibility study of Royal medical & Military Medical Universities- Amman - Jordan

Brief Description of Postgraduate Courses Taught

- 1 Environmental Chemistry
- 2 Advanced chemical Instrumental Chemistry

Personal Key Competencies and Skills: (, , , etc.)

- 1 Computer Skills Programme
 - 2 Technical Information Technology
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Last Update

1/10/2024