

*Faculty of Science & Art, Jordan University of Science & Technology, Irbid, Jordan  
Department of Chemistry, Jordan University of Science & Technology, Irbid, Jordan*

**PERSONAL INFORMATION:**

- **Name** : Khaled Qassem Shawakfeh
- **Nationality** : Jordanian
- **Date & Place of Birth** : March, 29, 1965, Kitem
- **Marital Status** : Married, 6 children
- **E-mail** : shawakfa@Just.edu.jo

**ACADEMIC QUALIFICATIONS:**

<b>Academic Degree</b>	<b>Thesis</b>	<b>University</b>	<b>Date</b>
<b>Ph.D.,</b> Organic Chemistry	“The Synthesis, Characterization, and Biological Testing of New Squalamine Analogs”.	Temple University – Philadelphia, PA, USA.	1998
<b>M.Sc.,</b> Chemistry.	“Synthesis and Thermal Transformation of Amino-Substituted Bis-3,4,5,6-Tetrahydro-1,3,5-Triazinium Salts”.	Yarmouk University – Irbid, Jordan.	1990
<b>B.Sc.,</b> Chemistry		Yarmouk University – Irbid, Jordan.	1987

**PROFESSIONAL EXPERIENCE:**

<b>Position</b>	<b>Place and Address</b>	<b>Date</b>
<b>Full Professor</b>	<b>Dean</b> /Faculty of Science & Art, Jordan University of Science and Technology, Irbid, Jordan.	09.2021-present
<b>Full Professor</b>	<b>Chemistry Department</b> /Faculty of Art & science, Jordan University of Science and Technology, Irbid, Jordan.	01.2019 - 09.2021

<b>Full Professor</b>	<b>Faculty/</b> Math and Natural Science Department/ Higher Collages of Technology/ Abu Dhabi Men's Campus, UAE	01.2017 – 12.2018
<b>Full Professor</b>	<b>Chairman of Chemistry Department</b> /Faculty of Art & science, Jordan University of Science and Technology, Irbid, Jordan.	09.2015 – 09. 2016
<b>Full Professor</b>	<b>Vice Dean/Faculty of Art &amp; science,</b> Jordan University of Science and Technology, Irbid, Jordan.	09.2014 – 08. 2015
<b>Associate Professor</b>	<b>Department of Chemistry,</b> College of Medicine, Dammam University, Dammam, Saudi Arabia As sabbatical leave, and the last three years as absence of leave vacations.	09. 2008 – 08. 2013
<b>Associate Professor</b>	<b>Visiting Researcher</b> as DFG fellowship –Germany Friedrich-Schiller-Universität Jena, Institute of Inorganic and Analytical Chemistry	07. 2010 – 04. 2014
<b>Associate Professor</b>	<b>Chairman of Applied Chemical Science Department</b> Faculty of Art & science, Jordan University of Science and Technology, Irbid, Jordan.	09. 2005 – 09. 2007
<b>Associate Professor</b>	<b>Chairman of Environmental Science Department</b> Faculty of Art & science, Jordan University of Science and Technology, Irbid, Jordan.	09. 2005 – 09. 2007
<b>Assistant Professor</b>	<b>Assistant Dean of Faculty of Science and Art</b> Faculty of Art & science, Jordan University of Science and Technology, Irbid, Jordan.	09. 2004 – 09. 2005
<b>Visiting Assistant Professor</b>	<b>Department of Chemistry,</b> faculty of Science, Temple University, Philadelphia, PA, USA.	06. 2000 – 09. 2000
<b>Teaching Assistant</b>	<b>Department of Chemistry,</b> faculty of Science, Temple University, Philadelphia, PA, USA.	09. 1992 – 09. 1997
<b>Part-time Lecturer</b>	Department of Applied Chemical Science, Faculty of Art & science, Jordan University of Science and Technology, Irbid, Jordan.	09. 1990 – 06. 1992

## SCIENTIFIC ACHIEVEMENTS:

### 1. Published Refereed Scientific Papers:

	<b>Authors</b>	<b>Publication Title</b>	<b>Journal and Date of Publication</b>
25	Raed M. Al-Zoubi, Reem M. Altamimi, Walid K. Al-Jammal, <b>Khaled Q. Shawakfeh</b> , Mazhar S. Al-Zoubi , Michael J. Ferguson.	CuI-Catalyzed Ullmann-Type Coupling of Phenols and Thiophenols with 5-Substituted-1,2,3-triiodobenzene: Facile Synthesis of Mammary Carcinoma Inhibitor BTO-956 in One-step	<i>Synthesis</i> , 2021, 53, A-K
24	Abskharoun, S.B., <b>Shawakfeh, K.Q.</b> , Albiss, B.A.A., Alsharaeh, E.H.	Magnetic based graphene composites with steroidal diamine dimer as potential drug in hyperthermia cancer therapy	<i>Materials Research Express</i> , 7(9), abb262, 2020.
23	<b>Khaled Q. Shawakfeh</b> , Raed Al-Zoubi , Walid Al-Jammal and Rasha Nusier	Chemoselective reduction for different steroidal $\alpha,\beta$ -unsaturated ketone into diene by using Luche reagent	<i>Org. Commun.</i> 11:4 181-187, 2018.
22	Mohammad El-khateeb, <b>Khaled Shawakfeh</b> , Mazen Al-Btoosh, Helmar Görls, Wolfgang Weigand	Synthesis of Cyclopentadienyl Ruthenium 4-Pyridine and 2-Pyrimidine Thiolates and their Bimetallic Group VI Metal Carbonyls	<i>Polyhedron</i> , 89, 70-75, 2015
21	<b>Khaled Q. Shawakfeh</b> , Zakariyya N. Ishtaiwi, Naim H. Al-Said	Facile access to benzoazepinoquinazolinone via a free radical cyclization.	<i>Tett.Letter</i> , 55, 1329-1333, 2014.
20	<b>K. Q. Shawakfeh</b> , N. H. Al-Said	Synthesis of new symmetrical bis-steroidal pyrazine analogues from diosgenin	<i>Steroids</i> , 76, 232–237, 2011.
19	N. H. Al-Said <b>K. Q. Shawakfeh</b> , M. I. Ibrahim, and S. H. Tayye	A facile synthesis of quinazolino [1,4] benzodiazepine alkaloids via reductive N-heterocyclization of N-(2-nitrobenzoyl)amides: Total synthesis of	<i>ARKIVOC</i> , (ix), 282-29, 2010.

		asperlicin C, circumdatin H, and analogues	
18	<b>K. Q. Shawakfeh</b> , N. H. Al-Said and E. K. Abboushi	Synthesis of New Di- and Triamine Diosgenin Dimers.	<i>Tetrahedron</i> , 66, 1420–1423, 2010.
17	A. M. Al-Ajlouni, <b>K. Q. Shawakfeh</b> and R. Rajal	Kinetic and Mechanistic Studies on the Reaction of Peroxynitrite with Estrone and Phenols	<i>Kinetics and Catalysis</i> , 50, 1, 88-96, 2009.
16	N. H. Al-Said, <b>K. Q. Shawakfeh</b> and B. A. Hammad	A Facile Rearrangement of Pyrroloindoline derivative to Pyrroloquinoline: A New Analogues of Duocarmycins	<i>Journal of Heterocyclic Chemistry</i> , 45, 1333, 2008.
15	N. A.F. Al-Rawashdeh, <b>K. Q. Shawakfeh</b> , and S. A. Ata	Photostability Study of Ciprofloxacin with Cyclodextrins	<i>Pure and Applied Chemistry International Conference (PACCON Proceedings. 1, 2008.</i>
14	<b>K. Q. Shawakfeh</b> , N. H. Al-Said and R. M. Al-Zoubi.	Synthesis of New Bis-Steroidal Pyrazine Dimers	<i>Steroid</i> , 73, 6, 579-58, 2008.
13	<b>K. Shawakfeh</b> , M. El-khateeb, D. Taher, H. Görls, W. Weigand	Half-sandwich ruthenium complexes of pentafluorobenzenethiolato ligands	<i>Transition Met Chem</i> , 33, 387–391, 2008.
12	N. H. Al-Said and <b>K. Q. Shawakfeh</b>	Synthetic Studies Towards Bis-Heterodimeric Netropsin Analog	<i>Jordan Journal of Chemistry</i> , 2, 125-132, 2007.
11	M. El- khateeb, <b>K. Shawakfeh</b> and L. Shawakfeh	Indenyl complexes of ruthenium containing thiolate ligands. Structure of IndRu(dppe)SPh	<i>Transition Metal Chemistry</i> , 32, 4, 523 – 527, 2007.
10	M. El-khateeb, <b>K. Shawakfeh</b> , T. Ruffer, H. Lang	Monomeric and dimeric ruthenium thiooxalate complexes: Structures of CpRu(PPh <sub>3</sub> ) <sub>2</sub> SCOCO <sub>2</sub> Me and CpRu(dppe)SCOCO <sub>2</sub> Et	<i>Journal of Organometallic Chemistry</i> , 691, 3743 – 3748, 2006.
9	N. H. Al-Said , <b>K. Q. Shawakfeh</b> and W. N. Abdullah.	Cyclization of Free Radicals at the C-7 Position of Ethyl Indole–2-carboxylate Derivatives: an Entry to a New Class of Duocarmycin Analogues	<i>Molecules</i> , 10, 1446 – 1457, 2005.
8	<b>K. Q. Shawakfeh</b> , N. H. Al-Said and I. Shawish	Synthesis and Characterization of New Polyamino Cholic Acid Dimers	<i>Asian Journal of Chemistry</i> , 17, 1, 91-97, 2005.
7	<b>K. Q. Shawakfeh</b> , K. L Ereifej	Pod Characteristics of two <i>Ceratonia siliqua</i> L. Varieties from Jordan	<i>Journal of Food Science</i> , 17, 2, 187-194, 2005.
6	A. Al-Ajlouni, <b>K. Shawakfeh</b>	Imidazoles catalyzed oxidations with organic peroxides: A kinetic Study	<i>Bull Chem. Soc. Japan</i> , 77, 2, 313-319, 2004.
5	M. Nusier, <b>K. Q. Shawakfeh</b> and S. Ootom	Physio-Chemical Properties of Gallstones	<i>Asian J. Chemistry</i> , 16, 1, 213-219, 2004.

4	N. A. Al-Rawashdeh, <b>K. Q. Shawakfeh</b> , and S. Khadir	Luminescence Quenching of Mixed-Ligand Ruthenium(II) Complexes by Different Quenchers	Acta Chim. Slov. , 49, 425-436, 2002.
3	<b>K. Q. Shawakfeh</b> , N. A. Al-Rawashdeh and S. Khader	Synthesis and Characterization of Some Ruthenium Mixed-Ligand Complexes	Russian J. Coordination Chem., 28, 11, 789-792, 2002.
2	<b>K. Q. Shawakfeh</b> , A. M. Al-Ajlouni and A. Ibdah	Synthesis and Selective Catalytic Oxidation of New Dimeric Steroids	Acta Chim. Slov., 49, 805-813, 2002
1	M. Al-Talib, H. Tashtoush, <b>K. Shawakfeh</b>	Synthesis and thermal transformations of Amino Bis-3,4,5,6-Tetrahydro-1,3,5-Triazinium salts	Indian J. Chem. 1, 29, 1990.

## 2. Scientific Papers Presented at Scientific Conferences:

	Name of Authors	Presentation Title	Conference Venue & Date
18	<b>K. Q. Shawakfeh</b>	Synthesis of Polyfunctionalized Steroidal Heterocyclic Derivatives as Potential Antimicrobial Drug	8th International Conference on New Trends in Chemistry Famagusta, North Cyprus May 16 – 18, 2022
17	<b>K. Q. Shawakfeh</b>	Graphene-Based Materials Functionalization	3-7 /6/2019. FCCat 2019 - French Conference on Catalysis 2019
16	<b>K. Q. Shawakfeh</b>	Functionalized Graphene Nanocomposites with Steroidal Diamine Dimers	19-21/2/2017. Ninth Annual International Workshop on Advanced Materials (IWAM 2017), Ras Al Khaimah, United Arab Emirates.
15	<b>K. Q. Shawakfeh</b>	Diosgenin Bearing Heterocycles Fused to the A-ring of the Steroid Nucleus	24-27 January 2016, Stevenage, Herts, United Kingdom
14	<b>K. Q. Shawakfeh</b>	Dimers Bearing Heterocycles Fused to A-Ring of Diosgenin	27\10 -1\11\ 2015, Sarajevo, Bosnia and Herzegovina

13	<b>K. Q. Shawakfeh</b> , Idress Shrayah	"In situ preparation of PS, PMMA and (PS-PMMA) co-polymer containing silver nanocomposites"	International Workshop on Advanced Materials (IWAM) 2015. Ras Al Khaimah, United Arab Emirates.
12	<b>K. Q. Shawakfeh</b> , Raed Al-Zoubi	Regioselective Reduction of the Enone System to Diene System	CHEMTECH '14, 2014, Istanbul, Turkey
11	N. A.F. Al-Rawashdeh, <b>K. Q. Shawakfeh</b> , and S. A. Ata	Photostability Study of Ciprofloxacin with Cyclodextrins	Pure and Applied Chemistry International Conference (PACCON Proceedings, 1, 2008.
10	<b>K. Q. Shawakfeh</b>	Synthesis of New Dimeric Steroids Using Diosgenin	14 <sup>th</sup> Arabic International Conference. Tripoli, Libya, 2008.
9	<b>K. Q. Shawakfeh</b>	Synthesis and rearrangement of pyrroloindoline derivativeto pyrroloquinoline: a new class of duocarmycin analogues	11 <sup>th</sup> IBN SINA International Conference on Pure and Applied Heterocyclic Chemistry, Egypt, 2007.
8	<b>K. Q. Shawakfeh</b>	Synthesis of New Bis-Steroidal Pyrazine Dimers	13 <sup>th</sup> Arab Chemistry Conference, Kuwait, 2005.
7	<b>K. Q. Shawakfeh</b>	Cyclopentadienyl Ruthenium Pentafluorobenzenethiolate Complexes	From Molecules Toward Materials, Nizhny-Russia, 2005.
6	<b>K. Q. Shawakfeh</b>	Synthesis and Characterization of New Polyamino Cholic Acid Dimmers	2 <sup>nd</sup> International Conference on Chemistry and its Application, Doha-Qatar, 2005.
5	<b>K. Q. Shawakfeh</b>	The Effects of $\alpha$ -, $\beta$ -, $\gamma$ - Cyclodextrins on the Photostability of Ciprofloxacin	11 <sup>th</sup> International Cyclodextrin Symposium, Reykjavik, Iceland, 2002.
4	<b>K. Q. Shawakfeh</b>	Synthesis of New Sterol-Spermidine Conjugates with Potential Antimicrobial Activity	Noyori Forum-Merlin OS Joint Meeting on Fundemantal and Applied Aspects of Organic Chemistry, Houffalize, Belgium, 2001.
3	<b>K. Q. Shawakfeh</b>	Selective catalytic oxidation of monomeric and dimeric steroid.	American Chemical Society Regional Meeting/NORM-2000, Idaho Falls, Idaho, USA, 2000.

2	<b>K. Q. Shawakfeh</b>	Organic Pesticides in agriculture	The first conference of environmental problems, Mu'tah University, Jordan, 1998.
1	<b>K. Q. Shawakfeh</b>	Environmentally safe chemicals	Second IUCN Regional Conservation Forum, Amman, Jordan, 1998.

**3. Scientific Publications; (books, translations, biographies, chapters in books, verification of manuscripts, data collection, etc.):**

	<b>Authors</b>	<b>Publication Title</b>	<b>Type of Publication</b>	<b>Date</b>
1	Ministry of Education, Jordan	Chemistry Books for 9 <sup>th</sup> , 10 <sup>th</sup> and 11 <sup>th</sup> Grade	Books	2004-2006
2	Arab Chemistry Union	Chemistry Dictionary in Arabic	Translation	2007 - present

**4. Completed Research Projects:**

	<b>Researchers</b>	<b>Research Title</b>	<b>Completion Date</b>
1	<b>K. Q. Shawakfeh</b> , A. M. Al-Ajlouni and A. Ibdah	Synthesis and Kinetic Study of New Dimeric Steroids	2000
2	<b>K. Q. Shawakfeh</b> , N. A. Al-Rawashdeh and S. Khader	Preparation, Luminescence Quenching and Photolysis of some Mixed-Ligand Ruthenium Complexes.	2000
3	<b>K. Q. Shawakfeh</b> , A. M. Al-Ajlouni and R. Rejal	Kinetic and Mechanistic Investigation of Oxidation of Biological Active Reductants with Peroxynitrite	2001
4	<b>K. Q. Shawakfeh</b> , N. H. Al-Said and I. Shawish	Synthesis of New Polyamino Cholic Acid Dimers	2002
5	<b>K. Q. Shawakfeh</b> , N. H. Al-Said, and W. N. Abdullah	Synthesis of Directed- DNA Alkylating Agents	2003
6	<b>K. Q. Shawakfeh</b> , M. El-khateeb, and L. Shawakfeh	Indenyl Ruthenium Thiolate Complexes, Synthesis and Reactions	2004
7	<b>K. Q. Shawakfeh</b> , N. H. Al-Said and R. M. Al-Zoubi	Synthesis and Characterization of New bis-Steroidal Pyrazine Dimers	2005

8	<b>K. Q. Shawakfeh</b> , N. H. Al-Said, and B. A. Hammad	Cyclization of Free Radicals at the C-7 Position of Ethyl Indole-2-carboxylate Derivatives: an Entry to a New Class of Duocarmycin Analogues	2006
9	<b>K. Q. Shawakfeh</b> , N. H. Al-Said, and B. A. Hammad	Synthesis of new class of duocarmycin analogues	2007
10	<b>K. Q. Shawakfeh</b> , N. H. Al-Said, and E. Abboshi	Synthesis of New Dimeric Steroids Using Diosgenin	2008
11	A. M. Al-Ajlouni, <b>K. Q. Shawakfeh</b> and R. Rajal	Kinetic and Mechanistic Studies on the Reaction of Peroxynitrite with Estrone and Phenols	2009
12	N. H. Al-Said, <b>Khaled Q. Shawakfeh</b> , M. I. Ibrahim, and S. H. Tayye	A facile synthesis of quinazolino [1,4] benzodiazepine alkaloids via reductive N-heterocyclization of N-(2-nitrobenzoyl)amides: Total synthesis of asperlicin C, circumdatin H, and analogues	2010
13	<b>K. Q. Shawakfeh</b> , Naiem Al-Said	Synthesis of new symmetrical bissteroidal pyrazine analogues from diosgenin	2011
14	<b>Khaled Q. Shawakfeh</b> , Zakariyya N. Ishtaiwi, Naim H. Al-Said	Facile access to benzoazepinoquinazolinone via a free radical cyclization.	2014
14	Mohammad El-khateeb, <b>Khaled Shawakfeh</b> , Mazen Al-Btoosh, Helmar Görls, Wolfgang Weigand	Synthesis of Cyclopentadienyl Ruthenium 4-Pyridine and 2-Pyrimidine Thiolates and their Bimetallic Group VI Metal Carbonyls	2015
15	<b>Khaled Q. Shawakfeh</b> , Raed Al-Zoubi , Walid Al-Jammal and Rasha Nusier	Reduction of Enone system	2018
16	Borhan Albiss; Sally B. Abskharounr, <b>Khaled Q. Shawakfeh</b> , ; Edreese H. Alsharaeh	Graphene-Based Materials Functionalization with Steroidal Diamine Dimer	2018
17	Raed Al-Zoubi, <b>Khaled Shawakfeh</b> and Reem Altamimi	Synthetic Study Towards Diiodinated Biaryl Ethers and Thioether Derivatives	2019



## 5. Contribution to National & International Scientific Conferences, Symposia & Workshops:

	Conference Title	Place and Date	Extent of Contribution
1	International Staff Week	Gliwice, Poland, 2021	Staff Mobility representative/ Erasmus
2	1st International Conference and Exhibition on Biochemistry	Dubai, Oct. 2019	Organizing committee
3	International Conference of Advanced Material (ICAM 2017)	JUST, Irbid, Jordan, 2017	Organizing committee
4	WMAL2017 Conference	Irbid, Jordan. 2017	Organizing committee
5	1 <sup>st</sup> Scientific Jordanian-Tunisian Forum	JUST, Irbid, Jordan, 2016	Organizing committee
6	International Conference of Advanced Material (ICAM 2015)	JUST, Irbid, Jordan, 2015	Organizing committee
7	1 <sup>st</sup> Petra International Chemistry Conference	Petra, Jordan , 2008	Scientific Committee
8	2 <sup>nd</sup> Chemistry Conference for Graduate & Undergraduate Students	Irbid, Jordan, 2007	Chairman
9	12 <sup>th</sup> Arab Chemistry Conference	Amman, Jordan, 2004	Director & Secretary Conference

## 6. Contribution to Scientific Journals & Other Commitments:

1. Referee for articles in Nano Exp Journal.
2. Referee for articles in Bulletin of Korean Chemical Society Journal.
3. Referee for articles in Jordanian Chemistry Journal.
4. Referee for articles in Yarmouk Research Journal.
5. Co- guest Editor for Current Organic Chemistry journal, 2019
6. Jordan Representative in Chemical Sciences CONSULTATIVE MEETINGS – Comstech, Islamabad, Pakistan, 2017

## 7. Language Proficiency:

1. Arabic: Mother Tongue
2. English: Fluent

## TEACHING ACTIVITIES

During COVID-19 Pandemic, we switched to online teaching through MOODLE using software to deliver our teaching material and interacting with students like ZOOM and Microsoft Team.

## 1. Undergraduate:

- (1) General Chemistry I & II, (1998 – 2015).
- (2) Organic Chemistry I, II & III, (1998 – present).
- (3) General Biochemistry, (1998 – 2015).
- (4) Spectroscopic Identification of Organic compounds, (1999 – present).
- (5) Special Topics in Organic and BioChemistry, (2000 – 2019).
- (6) Polymer Chemistry, (2000 – 2015).
- (7) Chemistry seminar, (2000 – present).
- (8) Practical Training, (2001 – present).
- (9) Leadership and Social Responsibility (2021-present)

## 2. Postgraduate:

- (1) Advanced Organic Chemistry – Mechanism, (2001 – present).
- (2) Advanced Named Organic Reactions, (2001 – present).
- (3) Heterocyclic Chemistry, (2001 – present).
- (4) Advanced Organic Chemistry for Pharmacy School, (2002 – 2006).
- (5) Graduate Seminar, (2001 – present).

## 3. Participation in Examinations:

- (1) Committee Member for Master Thesis Defense at Jordan University of Science & Technology, (2001 – present).
- (2) Committee Member for Master Thesis Defense at Yarmouk University, (2001 – 2015).
- (3) Chairman for Oral Master Program Examination, (2005 – 2008).
- (4) Committee Member for Undergraduate Program Graduation Projects, (2004 – 2008).

## 4. Supervision of Master Thesis:

	Title	Outcome of the Thesis	Date
1	Synthesis and Kinetic Study of New Dimeric Steroids	Acta Chim. Slov. 2002, 49, 805-813.	2000

2	Preparation, Luminescence Quenching and Photolysis of some Mixed-Ligand Ruthenium Complexes	Russian J. Coordination Chem., 28, 11, 789b-792, 2002. Acta Chim. Slov., 49, 425-436, 2002	2000
3	Kinetic and Mechanistic Investigation of Oxidation of Biological Active Reductants with Peroxynitrite	Kinetics and Catalysis, 50, 1, 88-96, 2009	2001
4	Synthesis of New Polyamino Cholic Acid Dimers	Asian Journal of Chemistry, 17, 1, 91-97, 2005.	2002
5	Synthesis of Directed- DNA Alkylating Agents	Molecules, 10, 1446–1457, 2005.	2002
6	Indenyl Ruthenium Thiolate Complexes, Synthesis and Reactions	Transition Metal Chemistry, 32, 4, 523–527, 2007.	2003
7	Synthesis and Characterization of New bis-Steroidal Pyrazine Dimers	Steroid, 73, 6, 579-584, 2008.	2004
8	Synthesis of new class of duocarmycin analogues	<i>Journal of Heterocyclic Chemistry</i> , 45, 1333, 2008.	2004
9	Synthesis of New Dimeric Steroids Using Diosgenin	Steroids, 76, 232–237, 2011	2005
10	Graphene-Based Materials Functionalization with Steroidal Diamine Dimer	Materials Research Express 7(9), abb262, 2020.	2018
11	Synthetic Study Towards Diiodinated Biaryl Ethers and Thioether Derivatives	Synthesis, 2021, 53, A-K	2019

## **ADMINISTRATIVE WORK, COMMITTEE MEMBERSHIP & COMMUNITY SERVICES**

### **1. Administrative Responsibilities:**

1. Dean of Faculty of Science & Art (2021-present)
2. Chairman of Chemistry Department (2015-2016)
3. Vice Dean of Faculty of Science & Art, (2014-2015)
4. Chairman of Applied Chemical Science Department, (2005 – 2007).
5. Chairman of Environmental Science Department, (2005 – 2007).
6. Assistant Dean of Faculty of Science and Art, (2004 – 2005).

### **2. Committee Membership:**

- (1) University Strategic Plan (2021-present)

- (2) University Curriculum Development (2021-present)
- (3) University committee member for students regulation of disciplinary penalties (2013-2016)
- (4) Faculty Of Science & Art Strategic Plan Committee (2015-present)
- (5) Faculty of Science and Art committee chair for Tender and Laboratory Safety (2015-present)
- (6) University Safety Plans & Policies committee (2016-present)
- (7) University Accreditation Committee (2014-present)
- (8) Supervision Committee for Ministry of Education, (2004– 2006).
- (9) Accreditation Committee for Ministry of Higher Education, (2004– present).
- (10) Quality Assurance and Ranking/Ministry of higher Education: Chairman for Balqa and Tafila Technical University; member for Applied Science University.
- (11) Students club advisor, 2003-2008.

### **3. Community Services:**

- (1) Rule of Law Matters Workshops (2018-present)
- (2) Environmental Awareness Lectures, (1998– 2002).
- (3) Chemicals in Everyday life Lectures, 1998 – 2003).
- (4) Time Management Workshops, ( 2000 – 2008),
- (5) Communication and Leadership Workshops, (2000 – 2008).
- (6) Pedagogical Module Workshop, (2004 – 2007).
- (7) Training of Trainers Workshops, (2000 – 2006).
- (8) Waste Water Treatment Workshop, (2005).
- (9) Enforcement of Law workshop (2019-present)

### **4. Other Responsibilities:**

- (1) Faculty of Art & Science Representative at University Council, (2002, 2020).
- (2) Department of Chemistry Representative at Faculty Council, (2001, 2003).
- (3) Strategic Plan Committee Member, (2004 – 2013).
- (4) Graduate Study Committee Member and Chairman, (2002 – 2008).
- (5) Club Consultant at Deanship of Student affairs, (2002 – 2008).
- (6) Committee Member for Undergraduate and Graduate Chemistry Curriculum, (2001 – 2005).
- (7) Consultant for Civil Society Development Center, (2000 – 2004).
- (8) External Examiner for Graduate Students Thesis, (206-present).

## **5. Workshops and Training**

- (1) "Toward Democratic Thinking Project" Oct. 1999 - Feb. 2001, Europe Union/The British Council-Amman/Jordan University of Science & Technology (JUST). A MEDA project was conducted at JUST and sponsored by Europe Union.
- (2) Religious Diversity: Jan. 2000, CSDC-JUST.
- (3) Training of Trainers: June 2001, CSDC-JUST.
- (4) Facilitation Skills: Aug. 2001, CSDC-JUST.
- (5) Time and Stress Management: June and Sep. 2002, CSDC-JUST.
- (6) Assertiveness: May. 2003, CSDC-JUST.
- (7) Environmental Law: Sept. 2004, Amman-Jordan.
- (8) Training of Trainers: Jan. 2006, Abu Dabi-UAE.
- (9) Pedagogic Module: April 2006, Abu Dabi-UAE.
- (10) Time and Stress Management: May 2006, Industrial Room-Irbid.
- (11) Teaching and Learning Strategies workshop, sept, 2012, Dammam University.
- (12) Microteaching Workshop, Oct, 2012, Dammam University.
- (13) SPSS Statistics - software package used for statistical analysis, Jan., 2015, JUST.
- (14) Rules of Law Matters, Dead Sea, Jordan, 2020
- (15) Rule of Law Matters for Faculty members at Northern part in Jordan, Irbid, 2021.
- (16) Rule of Law Matters for Governmental sectors in Ajloun, Jerash district, 2021-present).

## **6. Students' Academic Services**

1. Student's advisor in Deanship of Student Affairs, 2001-2008. JUST.
2. Trainer of trainee (Voluntary) for university students in Time Management, Presentation Skills, Communication Skills and Religious Diversity, 200-2008, 2013-2016, JUST.
3. Trainer for freshly graduated students on chemical equipment's, 2002-2008, Amman.
4. Team Leader for Jordanian team in Chemistry Olympiad, 2004, 2005, 2007.
5. Coordinator and chairman for Arab Chemistry Olympiad, 2004, Amman.
6. Team Leader for JUST chemistry team in International Chemistry Competition, 2016, Beirut.
7. Chemistry Graduation Projects advisor, 2005-2007, 2011-2013, JUST.
8. Member of University Council committee for students penalties, 2014-2016, JUST.
9. Academic advisor for 16 graduated students (Master Degree), 2000-Present.

**REFERENCES** : *References furnished upon request.*