



CURRICULUM VITAE

Abeer Fayeز Mustafa Al-Bawab (عبر فايز مصطفى البواب)

Education			
Degree	Bachelor	Master	Ph.D.
University	University of Jordan (UJ)	Clarkson University (CU)	Clarkson University (CU)
Graduation Date	Jan. 1991	Aug. 1996	May 1997
Specialization	Chemistry (First in class)	Chemistry	Physical Chemistry
Title of M.S. Thesis	Reaction between Aluminum Chloride and Octyldimethylmethoxysilane		
Title of Ph.D. Dissertation	Formation of Silica Iron Glasses		
Area of Specialization:	Colloid and Surface Chemistry		

Research Interests	
<ul style="list-style-type: none"> ➤ Applying Advance Colloid & Surface Chemistry in Different Fields e.g Food, Water, Environmental, Nanoscience, Material Science & Conservation of Culture Heritage, Cosmetics, Skin Care Products, Fragrances and Flavors Systems, Drugs. ➤ Chemical Education ➤ Studying Colloidal Solution Stability & Phase Behavior and Diagrams& Surfactant Systems in Different Environments; Emulsions, Microemulsions, Liquid Crystals, Micelles, liposomes and Foams. 	

Professional Experiences/ Academic Services			
Employer	Position Title	Date Served	
		From	To
Faculty of Science, Department of Chemistry, UJ	Professor of Physical Chemistry	2009	Present
Deanship of Academic Research	Dean	2014	Present
Hamdi Mango Center for Scientific Research, UJ	Director	2008	2014
Faculty of Science, Department of Chemistry, UJ	Associate & Assistant Professor of Physical Chemistry	May 2005 Sep. 1998	Aug. 2009 May 2005
Clarkson University, Potsdam, NY, Prof. R. Partch Lab. & Prof. Y. Li Lab.	Visiting Scientist	March2007 & June2001	August2007 & August 2001
Jordan University of Science and Technology, Irbid, Jordan	Full-time Lecturer	1997	1998
University of Jordan (UJ)	Member of University Council (Representative of Faculty of Science)	Sep. 2005	Sep. 2006
Faculty of Science, Department of Chemistry, UJ	Member of Faculty Council (Representative of Chemistry Department)	Sep. 2002	Sep. 2003
Faculty of Science, Department of Chemistry, UJ	Member of Academic Research or Graduate Studies Committee	Sep. 2005	Sep. 2013
Clarkson University, Potsdam, NY	Graduate Teaching & Research Assistant (Physical and General Lab)	Sep. 1993	May 1997
Clarkson University, Potsdam, NY	Graduate Teaching Assistant for ACS Short Course Titled: Surfactant Micelles, Liposome and Liquid Crystals in Emulsion and Microemulsion	May 1995/1996/1997 July 1994 & 1996	
Al-Jamia Secondary School, Amman, Jordan	Laboratory Supervisor	Sep. 1992	April 1993
Arab Pharmaceutical Manufacturing Co., Sult, Jordan	QA Chemist Analyzer	June 1991	June 1992
University of Jordan, UJ	Undergraduate Teaching & Research Assistant	Sep. 1989	June 1991

Teaching Experience	
Course	Level
General Chemistry I & II (101& 102)	Freshman
Experimental General chemistry (106) & (109)	Freshman
Experimental Physical Chemistry I & II (246 & 346)	Sophomore & Senior
Physical Chemistry I (241)	Sophomore
Colloid and Surface Chemistry (442 & 745)	Senior & Graduate

Research Output in Last 15 Years						
Type	Refereed Journals	Conferences	Invited Talks	Book	Chapter in Book	Review
Total Number	46	4	20	1	1	1

	Authors: Titles	Journal/ Book/ conference proceeding	Publishing Unit
1	Al Bawab A. , Abu Zurak R., Abu Malouh S., Bozeyya A., Dead Sea Salt and Mud Review	Under Preparation	
2	Al Bawab A. , Paper conservation Review	Under Preparation	
3	Mona Sharar, Al Bawab A. , Al Bana L., Preparation of Janus Emulsion Formulation from Essential Oils with Fungicidal and Nematicidal Activities	Under preparation	
4	Odeh F, Ismai S., Abu Dahab R., Al-Bawab A , Intracellular Liposome Delivery of Anti-Tyrosine Kinase Aptamers	J. Drug Delivery. Submitted 2014	Informa Healthcare USA, Inc.
5	Al Bawab A. , Bozeyya A., Odeh F., Effect of Surfactant Tail Structure on Phase Behavior of Branched and Linear Alkylbenzene Sulfonate in Water and Oil Ternary Systems	GSTF International Journal of Chemical Sciences (JChem), 2014, 1(2), 32-39	Global Science and Technology Forum (GSTF)
6	Odeh F, Ismai S., Abu Dahab R., Al-Bawab A , Development of DNA Aptamers against the ABL Tyrosine Kinase	J. Nuc. Acid Res, Submitted 2014	Oxford
7	Al Bawab A. , Odeh F Na'es M., Al Ashqar H., Bozeyya A., Hamati H., Sharar M., Abdallah R., 2013, Conservation Materials and Archaeometry Techniques in Jordan (2000 – 2012): A Review	9 th International Symposium on the Conservation of Monuments in the Mediterranean Basin. Improvements in Conservation and Rehabilitation, Integrated Methodologies	Ankara, Turkey 2014 Conference
8	Hamati H, Al Bawab A. , Odeh F., Bozeyya A Abdallah R., Preparation of Different Dispersions Formulation for Consolidation of Jordanian Basaltic Artifact	Journal of Archaeological Science, Submitted 2014	Elsevier
9	Abu Dahab R., Odeh F, Ismai S., Hanan Azzam , Al-Bawab A . Preparation, characterization and antiproliferative activity of thymoquinone- β -cyclodextrin self assembly nanoparticles	Pharmazie, 68: 939–944 (2013)	GOVI Verlag, Germany
10	Al Bawab A. , Abdallah R., Bozeyya A. , Odeh F., Al Ashqar H., Jordan Conservation of Cultural Heritage in ER	Progress in Cultural Heritage Preservation- EUROMED 295-300, 2012	EUROMED 2012 Conference, Cyprus
11	Odeh F. , Al Bawab A . Fayyad M., Bozeyya A. Surfactant Enhanced Olive Oil Mill Wastewater Remediation	International Conference on Environmental Science and Development – ICESD 2013	APCBEE Procedia Dubai
12	Bozeyya A. , Al-Bawab A. , Friberg S. E., Spontaneous Emulsification and Phase Equilibria in the System Water, Ethanol and Benzene	J. Disp. Sci. Tech, (accepted Sep. 2012) in press 2013 DOI/10.1080/01932691.2012.743363	Taylor & Francis
13	Bozeyya A. , Al-Bawab A. , Friberg S. E, Lingling Ge & Guo Rong Some experiments on complex spontaneous emulsification in the system water–benzene–ethanol	Colloid Polym Sci DOI 10.1007/s 00396-013-2932-y, published online March 1 2013	
14	Bozeyya A. , Al-Bawab A. , Friberg S. E Spontaneous Emulsification between Incompatible Aqueous Solutions in the Water /Benzene /Ethanol System	Journal of colloid and interface science (JCIS) Volume 395 issue 1, p. 161-165, 2013	Taylor & Francis
15	Al-Bawab A. , Bozeyya A., Friberg S. E Spontaneous Emulsification in the System Water/Benzene/Ethanol: Phase Equilibrium and Emulsification Mechanism	Colloid & Surface A, Physicochemical and Eng. Aspects, 418, 1-6 , 2013	Elsevier
16	Fasfous A., Asfar J., Hamdan M. Al-Salaymeh A., Sakhrieh A. Al Hamamre, Z and Al Bawab A. , Potential of utilizing Solar Cooling in The University of Jordan	Energy Conversion and Management, 65,729–735, 2013	Elsevier
17	Odeh F, Ismai S., Abu Dahab R., Al-Bawab A . Thymoquinone in liposomes: A study of loading efficiency and biological activity towards breast cancer	Drug Delivery, 19(8): 371–377, 2012	Informa Healthcare USA, Inc.
18	Al-Bawab A. , Bozeyya A., Hasinovic H., and Friberg S. E., Three-Phase Surfactant-less Emulsions	Arabian Journal of Chemistry, 2011 , DOI :10.1016 /j.arabjc.2011.10.005, in press 2013	Elsevier
19	Kayali I, Qamhieh K., Habjoqa F. , Al-Bawab A. , Olsson U., Bemert L., Strey R., Phase behavior of microemulsions formulated with sodium alkyl polypropylene oxide sulfate and a cationic hydrotrope,	J.Disp. Sci. Techn. Volume 33, Issue 3, March 2012 , pages 369-373	Taylor & Francis
20	Partch R. E., Stamper A., Powell E., Al Bawab A. , Odeh F. Medicine in Reverse: Colloid Technologies for Combating Chemical Overdoses”	Fine Particles in Medicine and Pharmacy Egon Matijević, Editor, 309 –340, 2011	Springer
21	Bozeyya A. , Al-Bawab A. , Friberg S. E., Guo R., Equilibration in a Geranyl Acetate Emulsion	Colloid & surfaces; A, (373) 110-115, 2010	Elsevier

22	El- Nahhal I. M., Zourab Sh. M., Kodeh F. S., Al- Bawab A. , Behavior of Phenol Red Immobilized Silica in Presence of Different Surfactants	Int. J. Environ. An. CH. 90(8) 644-656, 2010	Informa UK Ltd
23	Al-Bawab A. , Bozeyya A., Friberg S. E., Aikens, P. A., Geranyl Acetate Emulsions; Surfactant Association Structures and Stability	J. Disp. Sci. Tech. (31(2)) 606-610, 2010	Taylor & Francis
24	Odeh F., Al-Bawab A. , Li Y., Self-Assembly Behavior of Benzotriazole in Water	J. Disp. Sci. Techn. 30 (10), 162-168, 2010	Taylor & Francis
25	Al-Bawab A. , Alshannag Q., Abuhole I., The Effect of Using Computer, Multimedia System & Free Inquiry on Science Faculties Students for Practical Chemistry Learning on Acquiring Science Process Skills at the University of Jordan	Faculty of Education Journal , Ain Shams University, 33(1) 1-22, 2009	Ain Shams University
26	Friberg S. E., Al-Bawab A. , Bozeyya A., Aikens, P. A., Geranyl Acetate Emulsions; Surfactant Association Structures and Emulsion Inversion	J. Colloid Interfac. Sci., 336 (1) 345-351, 2009	Elsevier
27	Al-Bawab A. , Odeh F., Bozeyya A., Aikens, P. A., Friberg S. E., Comparison between Experimental and Estimated Evaporation Path from Emulsions	Flavour Fragr. J., 24, 155-159, 2009	John Wiley & Sons
28	Saadeh R. H., Al-Jabari M., Abdoh A. A., Al-Bawab A. , Stability Study of Green Tea Natural Extract in Aqueous Solutions and its Chemical Kinetics	Dirasat, 36 (1), 62-75 2009	DAR, UJ
29	Friberg S. E., Al-Bawab A. , Odeh F., Bozeyya A., Aikens, P. A., Emulsion Evaporation Path. A First Comparison of Experimental and Calculated Values	Colloid & Surfaces; A, 338, 1-3, 2009	Elsevier
30	Bozeyya A., Al-Bawab A. , Fayyad M., Method development for analysis of Linear and Branched alkyl benzene sulfonates	Fresen. Environ. Bull., 18 (3) 590-600, 2009	EVISA
31	Al- Jabri M., Al-Bawab A. , Abdo A. A., Stability Study of the Natural Extract of Echinacea purpurea in Aqueous Solutions	Dirasat , 35 (1), 27-37 2008	DAR, UJ
32	Friberg S. E., Al-Bawab A. , Abdo A. A., Surface Activity Inverse Micelles	Colloid Polym Sci., 285 (14), 1625-1630, 2007	Springer
33	Al-Bawab A. , Al-Zamar T., Friberg S.E., An "O/S" Emulsion in a System Containing Tween 80 Surfactant and Hexadecane Oil	J. Surfactant and Detergents, 10, (4) 195-200, 2007	Springer
34	Al-Bawab A. , Zarobi S., Evaporation of Fragrance Substances from Emulsions: Geranyl Acetate versus Limonene (ArabicLang.)	Dirasat , 34 (2) 133-143, 2007	DAR, UJ
35	Al-Bawab A. , Kayali I., Amphiphilic Association of Flavor Substances in Oil; the Importance of Molecular Interactions (Arabic Lang.)	Dirasat, 34 (2), 125-132 , 2007	DAR, UJ
36	Friberg S. E., Al- Bawab A. , Some Non-equilibrium Phenomena in the Malic Acid / Water / Polysorbate 81 System	Int. J. Pharm. 322,140-146, 2007	Elsevier
37	Al-Bawab A. , Friberg S.E., Some Pertinent Factors in Skin Care Emulsion	Adv. Colloid Interface Sci., 123-126, 313-322, 2006	Elsevier
38	Friberg S. E., Al-Bawab A. , Phase Behavior of Beta Hydroxy- Acids with Laureth 4	J. Pharm. Scien, 95(8), 1834-1840, 2006	Elsevier
39	Al- Bawab, A. Beta-Hydroxy Acids from the formulation point of view	J. Disp. Sci. Tech., 27, 697-701, 2006	Taylor & Francis
40	Friberg S.E, Al-Bawab A. , Analytical Expression to Calculate Relative Amounts of Phase in a Three-Component Phase Diagram: Fragrance Evaporation	Langmuir, 21, 9896-99000, 2005	ACS
41	Al-Bawab A. , Heldt N., Li Y., Emulsified Orange Oil in an Aqueous Vesicle Solution	J. Disp. Sci. Tech. 26(2), 2005.	Taylor & Francis
42	Al-Bawab A. , Friberg S.E., Fusco C., Evaporation of a Model Skin Lotion with Beta Hydroxy- Acids	Int. J. Cosmt. Sci., 26 (5), 2004	Soc. of Cosm. Scient. & Sons
43	Al-Bawab A. , Friberg S.E., Amphiphilic Association Structures in a Model Skin Lotion with Hydroxyl Acids	Int. J. Cosmt. Sci., 26(3), 139, 2004	Soc. of Cosm. Scient. & Sons
44	Al-Bawab A. , Abuhola I., Alshannag Q., The Effect of Teaching Chemistry by Using Computer (Dry Lab) on Faculty of Science Students' Scientific Attitudes at the University of Jordan (Arabic lang.)	Educational Sciences, Dirasat Journal 31(2) 409 – 432, 2004	DAR, UJ
45	Al-Bawab A. , Abuhola I., Alshannag Q., The Effect of Using Dry Lab Strategy on Science Students' Achievement at the University of Jordan (Arabic lang.)	Educational Sciences , Dirasat Journal 31(2) 318 – 337, 2004	DAR, UJ
46	Al-Bawab A. , Investigation of the Phase Behavior and Vapor Pressure Study of Lavender Oil/ Water/ Laureth 4 and Tween 80	J.Cosmet. Sci., 54(5), 429, 2003	Society Cosm. Chemists
47	Al-Bawab A. , Friberg S.E., Aikens P.A., The Phase Behavior of α -Hydroxyoctanoic Acid / Laureth 4 / White oil / Water System and Preliminary Evaluation of the Phase Changes During Evaporation	J. Cosmet. Sci., 53(3), 151, 2002	Society of Cosmetic Chemists.
48	Friberg S.E., Al-Bawab A. , Sandburg J.D., Barber J., Yin Q., Phase Behaviour of a Fragrance Compound System: Water / Phenethyl Alcohol / Laureth 4 / Glycerol	J. Surfactants & Detergents, 2 (2), 159, 1999	Springer
49	Friberg S.E., Al-Bawab A. , Barber J., Phase Equilibria in the Systems of Acetic and Glycolic Acid with Water and Laureth 4	J. Disp. Sci. Tech., 19, 399, 1998	Taylor & Francis
50	Al-Bawab A. , Friberg S.E., Sjöblom J., Farrington G., Sol/Gel Glass with Ferric Nitrate Hydrate, Temperature Dependent Transition	Phys. Chem. Glasses, 39(2), 122, 1998	Sci.&Techn. Facil. Council
51	Al-Bawab A. , Friberg S.E , Sjöblom J., Farrington G., Sol/Gel Glass with Ferric Nitrate Hydrate, Temperature Dependent Transition II) High Concentration of Iron in the Glass	J. Disp. Sci. Techn., 19(5), 613, 1998	Taylor & Francis
52	Al-Bawab A. , Friberg, S.E., Zuman P., Sjöblom J., Reaction between Tetraethoxysilane and Chloral in Methanol. A ^{29}Si NMR Investigation	J. Disp. Sci. Techn., 19(5), 571, 1998	Taylor & Francis

53	Friberg S.E., Szymula M., Fei L., Aikens P.A., Barber J., Al-Bawab A. , Vapor Pressure of a Fragrance During Evaporation in Simple Emulsion	Int. J. Cosmet. Sci., 19, 259, 1997	Soc. of Cosm. Scient. & Sons
54	Al-Bawab A. , Formation of Silica Iron Glasses	Ph.D Thesis, CU, NY, USA, 1997	Clarkson University
55	Friberg S.E., Al-Bawab A. , Sjöblom J., Farrington G., Nie W., A Reaction between Aluminum Chloride and Octyldimethylmethoxysilane	Colloids Surfaces A, 105, 251, 1995	Elsevier

Presentations in Conferences and Meeting			
	Conference Name	Presentation Title	Conference Date and Place
1	International training workshop in conservation and management of stone buildings	JOCHERA, A Success Story for Jordanian-European Capacity Building Project	Amman Jordan April 2014
2	Deserts 2014, Man and the Deserts	Preparation of Different Dispersions Formulation for Consolidation of Jordanian Basaltic Artifact & JOCHERA	Amman Jordan March 2014
3	Water in the Arab world, status, Challenges and opportunities (WAWCO 2014)	Surfactant Enhanced Olive Oil Mill Wastewater Remediation	Amman Jordan Feb 2014
4	Cultural Heritage Conservation Science and Sustainable Development	-JOCHERA, Jordan Conservation of Cultural Heritage in ERA -Preparation of Different Dispersions Formulation for Consolidation of Jordanian Basaltic Artifacts	Oct 2013 , Paris, France
5	IUPAC2013	- Preparation of different dispersions formulation for consolidation of Jordanian basaltic artifacts -JOCHERA, Jordan Conservation of Cultural Heritage in ERA -Conservation Materials and Archaeometry Techniques in Jordan	August 2013 , Istanbul ,Turkey
6	APCBEEES 2013	Surfactant Enhanced Olive Oil Mill Wastewater Remediation	Jan 2013 , Dubai, UAE
7	World Arcology Conference 7 (WAC7)	JOCHERA, Jordan Conservation of Cultural Heritage in European research area Conservation Materials and Archaeometry Techniques in Jordan (2000 – 2012): A Review	Jan 2013 Dead sea, Jordan
8	International Conference on Cultural Heritage, EUROMED 2012	JOCHERA, Jordan Conservation of Cultural Heritage in European Research Area	Oct 2012 , Lemesos, Cyprus
9	244 th ACS National Meeting	i) Medicine in Reverse: Colloid Technologies for Combating Chemical Overdoses ii) Surfactant Enhanced Remediation of Polluted Water	August, 2012 Philadelphia USA
10	6 th Jordanian International Conference of Chemistry	Surfactant less Emulsion	Yarmouk University, Irbid, Jordan April 2011
11	82 nd ACS Colloid and Surface Science Symposium & 13 th IACIS International Conference	Comparison of Calculated and Experimentally Determined Evaporation Path from an Emulsion	New York City, USA, June 2009
12	9 th Jordanian Chemical Conference	Comparison of Calculated and <i>Experimentally</i> Determined Evaporation Path from an Emulsion	Hashemite University, Jordan, April 2009
13	Nanostructure Advance Material And Technology	Microemulsions Containing Short Chain Anionic and Cationic Surfactant for Enhanced Oil Recovery (EOR)",	UJ, Amman- Jordan, Nov. 2008
14	Nanostructure Advance Material And Technology	Analysis for a Pi-Pi Complex Interaction Between Toxin and Antidote Molecules Complex using dynamic NMR and AFM Analysis	UJ, Amman- Jordan, Nov. 2008
15	Nanostructure Advance Material And Technology	SELF-ASSEMBLY BEHAVIOR OF BENZOTRIAZOLE IN WATER	UJ, Amman- Jordan, Nov 2008
16	233 rd ACS National Meeting	An Oil in Surfactant Emulsion and Water- less Emulsion	Chicago, IL USA March, 2007
17	7 th Jordanian Chemical Conference	The Role of Colloidal Structures in Emulsions For Topical Formulations	Al al-Bayt University, Jordan, March, 2007
18	80 th ACS Colloid and Surface Science Symposium	Some Non-Equilibrium Phenomena in the Malic Acid /Water / Polysorbate 81 System	Boulder University Colorado, USA, June 2006
19	79 th ACS Colloid and Surface Science Symposium	Salicylic Acid Vesicle Solutions, Emulsions and their Combinations" & "Some Phase Diagrams of Fruit Acids and the Consequences in their Application for Skin Lotions	Clarkson University, Potsdam, NY, USA, June 2005
20	6 th Jordanian Chemical Conference	Amphiphilic Association of Flavor Substances in Oil; The Importance of Molecular Interactions	Hashemite University, Jordan, Dec. 2005
21	17 th ECIS Conference (European Colloid and Interface Science)	Particle Size and Vapor Pressure of Orange Oil Droplets Stabilized by Liposomes	Firenze, Italy, Sep. 2003
22	12 th Arabic chemical meeting & 5 th Jordanian Chemical Conference	Emulsion Orange Oil in an Aqueous Vesicle Solution	Amman, JORDAN, Oct. 2003
23	29 th Northeast Regional meeting of the ACS (NERM 100)	Phase Behaviour of a Fragrance Compound System: Water / Phenethyl Alcohol/Laureth 4/Glycerol	Mass. USA, June 2001

24	28 th Northeast Regional meeting of the ACS(NERM 99)	The Phase Behavior of α -Hydroxyoctanoic Acid / Laureth 4 / White oil / Water System and Preliminary Evaluation of the Phase Changes During Evaporation	Potsdam NY, USA, June 2000
25	COSMO Amman first & second & third	i) Investigation of the Phase Behavior and Evaporation Study of a System of Lavender oil/ Water/ Laureth 4 and Tween80 ii) Amphiphilic Association Structures in a Model Skin Lotion with Hydroxyl Acids iii) Phase Equilibria in the Systems of Acetic and Glycolic Acid with Water and Laureth 4	Amman, JORDAN, June 1999/2000/2001
26	4 th Jordanian Chemical Conference	Vapor Pressure of a Fragrance During Evaporation in Simple Emulsion	JUST, Irbid JORDAN, Nov. 1999

Attended Conferences and Meeting

6 th & 5 th & 4 th & 3 th Jordan National Tempus Day	2012 / 2011 / 2010/ 2009 Amman, Jordan
5 th Conference of Scientific Research in Jordan	Amman, Jordan, Nov 2011
Energy Conference	University of Jordan , Amman, Jordan / 2011& 2012 & 2013
3 rd German- Jordanian Workshop (Energy) 2010	University of Jordan Amman Jordan Oct 2010
11 th Eurasia Conference on Chemical Sciences	Dead Sea, Jordan Oct 2010
14 th international Biotechnology Symposium and Exhibition	Rimini Italy, Sep 2010
-The Technology Transfer Conference Annual Conference "Building on 10 years of success ---The Technology Transfer Conference Annual Conference "Best Practices in Transfer of Science and Technology	Paris, France, May 2010 Ghent, Belgium, May 2009
The Technology Transfer Conference: Accelerating the Knowledge Economy through the Commercialization of R&D, iPARK/ the Higher Council for Science and Technology in collaboration with the US Patenting and Trademark Office (USPTO)	Royal Scientific Society, EL Hassan Science City, Amman, Jordan, Oct. 2009
Science & Technology for Sustainable Development 14 th Science week	El Hassen Science City, Amman Jordan, May 2009
The Int. Conf. on Material in Jordan	Humboldt Kolleg, German -Jordanian University, March 2009
Arab Women IN Academic Sciences and Tech. towards Sustainable Development	JUST, Jordan , Nov. 2008
8 th Jordanian Chemical Conference	Petra University, Amman Jordan, April 2008
Particles Technology "Camp meeting"	NY USA , May 2007
70 th Colloid & Surface Symposium	NY, USA, June 1996

Responsibility, Professional Training & Workshop

Type	Topic	Date and Place
Member	The Editorial board for JJC (Jordan Journal of Chemistry, Published by Yarmouk University, Irbid, Jordan) The Editorial board for , Universal Journal of Chemistry, Published by Horizon Research Publishing(HRPUB) , USA The Editorial board for , American Journal of Applied Chemistry, Published by Science PG, NY USA Technical Committee & Reviewer in ICESD 2014, Singapore, Organizer APCBEES, Hong Kong	2011- Present, Jordan 2013-Present , USA
Reviewer 10 papers per year	For the following peer-reviewed journals <ul style="list-style-type: none"> ✓ Journal of Colloid and Interface. Science, published by Elsevier ✓ Chemistry and Physics of Lipids published by Elsevier ✓ Jordan Journal of Chemistry. published by Yarmouk University, Irbid , Jordan ✓ Arabian Journal of Chemistry, published by Elsevier ✓ Drug development and industrial pharmacy, ✓ Flavour and Fragrance Journal, published by Elsevier ✓ Industrial & Engineering Chemistry Research, published by Elsevier ✓ Colloids and Surfaces A: Physicochemical and Engineering Aspects, published by Elsevier ✓ International Journal of Pharmaceutics, published by Elsevier 	Present
Evaluator 4 /year	Scientific Promotion for Certain Universities	2008- Present
Officer Lear	Technology Transfer office (TTO) inside University of Jordan European Projects inside University of Jordan	Jan 2010-Present
Liaison Officer	For the SRTD inside University of Jordan (Support Research and Technology Development and Innovation and Strategies in Jordan which was a Programme in the HCST)	July 2009-Present
Participant	USAID JCP Water Management Workshop	Feb 2014
Participant	Training Workshops for the H20/20 calls Difference between FP7 and H 20/20 , Main themes of H20/20	2013-2014
Participant	Training Workshops for the FP7 Program Writing Proposal & Proposal Evaluation, How to become an evaluator & FP7 contract Negotiation and finance training & FP7 Advisor& Identifying Viable IP in a Research Institute & IP Protection & Exploitation Workshop	2009-2010
Participant	Establishing Technology Transfer Offices in MENA Universities and Research Institutes	Praxis for TT training UK, Amman Jordan, April 2010
Participant	Bridging Science and Business: Laying the Foundations Workshop	Jordanian Royal Scientific Society, Amman Jordan, Dec. 2009
Participant	Technology Transfer: Accelerating the Knowledge Economy through the Commercialization of R&D Conference & Workshop	Higher Council for Science and Technology (HCST), Oct 2009

Participant	Media Go To Europe Workshop	El Hassan Science City, Amman Jordan Oct 2009
Participant	Training course Chemical Safety & Security Workshop	JUST 2009
Participant	Training course Training of Trainers Workshop	UJ 2003
Participant	Training course Relology & Viscosmetry	Jordan 2001
Participant	Training course, Teaching with Technology	UNESCO, JU, 2001 & UNESCO, Egypt, 1999

Scientific Awards		
Organization Name	Type of Award	Date
American Embassy	Hall of Fame, Woman in <i>Science</i>	2014
League of Arab States, Arab Women Organ.	Arab Women Award in <i>Science and Technology</i> for Development	2011
University of Jordan	Distinguish <i>Researcher</i>	2011
University of Jordan	One year seniority in rank promotion to a <i>Professor</i> due to the distinguish research work	2008
Clarkson University, NY, USA	Recipient of scholarship for 4 years towards the Ph.D	1993-1997
American Chemical Society	Recipient of ACS Research Account for one year 93/94. (first year Ph.D)	1994
The University of Jordan	Ranked the First in BS	1991
Jordanian Chemical Society	Recipient of Excellence in Chemistry Prize (High School (Taujah in Jordan))	1987

Master Students Supervision			
Student Name	Thesis title	Advisor	Date
Hiba Hamaty	Preparation of Different Dispersions Formulation for Consolidation of Jordanian Basaltic Artifact	Main Advisor	2013
Mona Sharar	Preparation of Janus Emulsion Formulation from Essential Oils with Fungicidal and Nematicidal Activities	Main Advisor	2013
Fuad Habjouqa,	Use of Microemulsion Containing Short Chain Anionic and Cationic Surfactant for Enhance Oil Recovery (EOR)	Main Advisor	2011
Ayat Abed Al-Hafed Bozeya	Method Development for Analysis of Linear and Branched Alkyl Benzene Sulfonates and Comparison of their Phase Behavior in Water and Oil Ternary systems	Main Advisor	2008
Rajae Hani Saadeh	Stability Study of Green tea and their kinetics study	Main Advisor	2007
Majida Al-Jabari	Stability Study of Alkylamides in the Natural Extract of Echinacea Purpurea (Herb) in Aqueous Solutions	Main Advisor	2005

Master Thesis and Ph.D Dissertation Examining Committees				
Student Name	Supervisor	Thesis Title	University	Date
Muna Al-Batayneh	Prof. Manar Fayyad	Role of a Competent Performance Indicators(PI) System in the Enhancement of Water Services Provision	Water Center, UJ	Jan 2014
Hida Hasinovic	Prof. S.E Friberg	A One-Step Process to Prepare Triple Janus Emulsions	Ray University (USA)	December 2012
Dua' AbuRmaileh	Dr Fadwa Odeh	Synthesis and characterization of zeolite Na-P1 derived from metakaolinite and study of its efficiency in drug delivery and release	Chemistry Department, UJ	May 2011
Rabab Al-Bashiti	Raed A. Al-Qawasmeh	Synthesis and properties of some 9-aryl-4-fluoro-6-oxo-6,9-dihydro-[1,2,5]thiadiazolo[3,4-h]quinoline-7-carboxylic acids and esters	Chemistry Department, UJ	August 2010
Amal Fahed Al-khazalah	Dr. Raed Ghanem	Photophysical Properties of Terbutaline	Chemistry Department, al-al-bayt University	Jan. 2010
Ibrahim Alam-Eddin Abdel-Rahim	Dr. Ehab Al-Shamaileh	Equilibrium and thermodynamic study of the inclusion complexes of cyclodextrins with m-Methyl red in aqueous media	Chemistry Department, UJ	August 2009
Jameel Sulieman Al Jariri	Prof. Fawwas Khalili	Removal of Pb(II), Mn (II) and Cr (III) from Wastewater Using Jordanian Bentonite	Chemistry Department, UJ	May 2009
Rana N. Zahdeh	Prof. Ribhi El- Zaru	Kinetics of Oxidation of Cysteine and Captopril VIA Cs ₃ [Mo(CN) ₆] And Cs ₃ [W(CN) ₆]	Chemistry Department, UJ	Nov 2005
Mohammad M. Al-Yamani	Prof. Ribhi El- Zaru	Kinetics of Oxidation of ascorbic acid and Benzoin VIA Co (III) and Cu (III) complexes	Chemistry Department, UJ	Aug 2004
Hena M.Abu Amara	Prof. Enam Khalil	Prediction of Microemulsion Existence Area in the ternary phase Diagram	Pharmaceutical Science, UJ	May 2001

Shaif Mohammed Saleh	Prof. Mohmoud Alawi	Determination of the pollution levels in the curing mud of the dead sea with heavy metals by AAS	Chemistry Department , UJ	March 2001
Shefa A. Al Shawa	Prof. Mohmoud Alawi	Development of an HPLC / LELCD Analytical Method for the Determination of Caffeine Theophylline, Therobromine and Adenine	Chemistry Department, UJ	May 2000

Funded Research Projects				
	Name of Project	Funding Agency	Year	Value of Funding(JD)
1	Economical Sequestering of Phenolic Compounds from Olive Mill Wastewater Using Modified Surface Active Materials	MENA NWC Water Innovation Fellowships (WIF) Small Grants Program	2014	Under Evaluation \$ 25,000
2	Restoration and Rehabilitation of the Roman Nymphaeum in Amman	Ambassador's Fund for Cultural Preservation (AFCP) U.S. Embassy in Amman, Jordan	2014	\$ 198,000
3	The First Stage of the proposed study and research for Dead Sea pre final product modification	Arab Potash Company, Jordan	2013-2015	150,000
4	WATER REUSE in Mediterranean countries	FP7 – EU- Marie curie	2012-2015	300,000 euro
5	Visiting scholar from USA to UJ (HMCSR)	Fulbright-USA	2012	10,000 dollars
6	Jordan Conservation of Cultural Heritage in ERA (JOCHERA)	FP7- EU ERA-wide	2012-2014	500,000 euro
7	Energy project (solar cooling) SOLAR AIR CONDITIONING	DAR, UJ	2010-2013	60,000
8	Targeted- Delivery of Macromolecular Drugs (Aptamers) to Cancer cells	Scientific Research Fund/ Ministry of Higher Education and Scientific Res.	2010-2012	60,000
9	Targeted- Delivery of Macromolecular Drugs (Aptamers) to Cancer cells	DAR, UJ	2009-2011	20,000
10	Surfactant Enhanced Remediation of Polluted Water	DAR, UJ	2009-2011	20,800
11	Investigation for the Oil in Surfactant and the Waterless Emulsion	DAR, UJ	2005-2007	10,700
12	The Effect -Of Teaching Practical Chemistry BY Using Computer (Dry Lab Strategy) and Multimedia System & Free Inquiry on Faculty of Science Students'-on the Achievement &Scientific Attitudes& Acquiring Science Process Skills	Higher Council for Science and Technology (Jordan)	2001-2004	20,000
13	Preparation of Free Alcohol Beer	Higher Council for Science and Technology (Jordan)	2001-2002	7,000
14	Stabilization of Some Natural Extract for Topical Application	DAR, UJ	2001-2003	10,000
15	Investigation of the Phase Behaviour of the Natural local Fragrance Solution	DAR, UJ	1999-2001	7,000

Relevant Skills	Computer Skills
<ul style="list-style-type: none"> • Small Angle X-ray Diffractometry / X-ray Diffractometry • Ultraviolet-Visible Absorption & Fourier Transform Infrared Spectroscopy • NMR / SEM/ Optical Microscopy/ Viscometer/ Tensiometer • DSC /TGA / DTA/ TLC/ HPLC • Particle Size Analyzer with zeta potential 	<ul style="list-style-type: none"> • MS office/ WordPerfect • MicroCal Origin Peakfit • Tablecurve /Excel • Window • Front page/ PowerPoint

Other

Preparation of some courses and teaching them totally with computer as on line courses.
 1-Physical Chemistry I (241) (undergraduate level).
 2- Colloid and Surface Chemistry (442& 745) graduate and undergraduate levels.

Professional Membership

- ACS (American Chemical Society)
- ASTP (Association of European Science and Technology Transfer Professionals)
- European Colloid Society
- Jordanian Chemical Society
- Graduates of US Universities and Institutes Society
- Jordanian Scientific Research Society