

# Prof. Dr. Marwan Suleiman Mousa

Jadara University – Irbid - Jordan

Postal Code (21110) – Jordan.



Mobile : 00962 – (0)79 5659761  
 Email : [m.mousa@jadara.edu.jo](mailto:m.mousa@jadara.edu.jo)  
[mmousa@mutah.edu.jo](mailto:mmousa@mutah.edu.jo)  
[marwansmousa@yahoo.com](mailto:marwansmousa@yahoo.com)  
 Website : <https://www.mutah.edu.jo/Lists/VicePresidents/VP.aspx#>  
 Nationality : Jordanian  
 Academic Dept: Dept. of Renewable Energy Engineering, Faculty of Engineering, Jadara University  
 Languages : Arabic (Native), English (Excellent), German (Good), French (Good).  
 Orcid Number : 0000-0002-5496-5532

## Education

Degree	Year	University	Description
<b>Ph.D.</b>	1984	University of Aston Birmingham UK	Surface Physics and Materials Technology: "A study of field electron emission from composite micro-regimes"
<b>M.Sc.</b>	1979	University of Aston Birmingham UK	Physical Methods of Analysis: "Energy spectra of field emitted electrons".
<b>B.Sc.</b>	1976	University of Sulaymaniyah Iraq	General Physics

## Academic Experience

Time Period	Details
May 9 <sup>th</sup> 1996 – Oct 1 <sup>st</sup> 2023	: Full Professor of Physics – Physics Department – Mu'tah University – Jordan.
2017 – 2018 (Academic year)	: Professor of Physics – Physics Department – University of Jordan – Jordan.
2011 – 2012 (Academic Year)	: Professor of Physics – Physics Department – Al-Yarmouk – Jordan
2006 – 2007 (Academic Year)	: Professor of Physics – Physics Department – Al al-Bayt – Jordan
1999 – 2000 (Academic Year)	: Professor of Physics – Department of Electrical and Computer Engineering – Florida International University – USA.
May 1990 – May 1996	: Associate Professor of Physics – Physics Department – Mu'tah University – Jordan.
Sept. 1985 – May 1990	: Assistant Professor of Physics – Department of Natural Sciences – Mu'tah University – Jordan.
Feb. 1977 – Aug. 1977	: Lecturer of Physics – Technical School of the Royal Jordanian Airforce

## Administrative Experience

Year	Details
May 19 <sup>th</sup> 2022	: Acting Mutah University President
June 15 <sup>th</sup> 2022	
July 28 <sup>th</sup> 2022	: Acting Mutah University President
- Aug 3 <sup>rd</sup> 2022	
Oct. 23 <sup>rd</sup> 2019	: Vice President – Mu'tah University.
- Oct 1 <sup>st</sup> 2023	
Dec. 2017 – Dec. 2018	: Appointed by the Ministry of Higher Education on the Board of Trustees – Jadara University.
Nov. 2009 – Nov. 2017	: Appointed by the Ministry of Higher Education on the Board of Trustees of Al-Ahliyya Amman University.
Feb. 2002 – Oct. 2005	: Appointed as the University President's Assistant for Scientific, External and International Affairs
Sept. 2002 – Sept. 2005	: Appointed as the Founding Dean of the Faculty of Nursing – Mu'tah University.
June 1996 – July 1997	: Appointed as the University President's Advisor for International Affairs
Sept. 1994 – Sept. 1995	: Head of the Department of Physics – Mu'tah University.

## Professional Experience

Year	Details
Nov. 2019 - Oct 1 <sup>st</sup> 2023	Chairing several university committees. In charge of Research, Planning and International Relations of Mu'tah University. Member of Mutah University Council Member of Appointments and Promotions Committee of Mu'tah University.
Nov. 28 <sup>th</sup> 2019	: Appointed on the Basic Sciences committee of the Science Research Support and Innovation Fund
Nov. 3 <sup>rd</sup> 2019	: Appointed on the Mu'tah University Council.
Oct. 2019	: Appointed on the Editorial Board of the Journal of Engineering (JE), Univ. of Bagdad. Previously has been on the Journal advisory board.
Sept. 2019	: Appointed as the chair of the Scientific Research Committee of the Faculty of Science and also that of the Department of Physics – Mu'tah University.
3 <sup>rd</sup> April 2019	: Appointed by the Administrative Council of the Scientific Research Support Fund (SRSF), on the committee for Basic Sciences of the Fund.
6 <sup>th</sup> Dec. 2018	: Appointed as a member of the committee for Graduate studies of the Scientific Research Support and Innovation Fund – Ministry of Higher Education & Scientific Research of Jordan (SRS&IF).
13 <sup>th</sup> Oct. 2017	: Member of committee for refereeing the Price for Scientific & Technological Innovation & Creativity, SRSF.
Oct. 2016	: Appointed by the Administrative Council of the SRSF to be on a committee to organize lists of equipment purchased by the SRSF and exist at various institutions in Jordan.
Oct. 2016	: Appointed by the Administrative Council of the SRSF to be on a committee to develop regulations of the fellowships awarded to outstanding students at Jordanian universities.

Sept. 2016	:	Appointed by the Administrative Council of the SRSF to chair a committee to evaluate the national journals supported by the Fund.
2010 – 2015	:	Jordan, as a Science Humboldt Ambassador, I gave lectures at various Jordanian universities about the Humboldt Foundation and research in Germany mainly about postdoctoral scholarships. As a result, several scholarships and academic exchange programs for Jordanians and Germans were obtained in studying and researching.
Oct. 2015	:	Member of the national committee (at Higher Council for Science and Tech.) to study establishing "National Nano Technology Center".
Dec. 2015	:	Appointed on the Academic Committee of the SRSF.
May 2015	:	Appointed on the Founding Committee of "King Abdullah II Center for Nano Technology"
12 <sup>th</sup> Jul. 2014	:	Appointed, by the Higher Education Council of the Ministry of Higher Education and Scientific Research on the Administrative Council of the Scientific Research Support Fund.
Sept. 2013- Nov. 2015	:	Appointed as a member of the committee for Basic Sciences of the Scientific Research Support Fund (SRSF).
Nov. 2012	:	Appointed on the council of "Centre of Theoretical and Applied Physical Sciences" of Yarmouk University.
Sept. 2008	:	Appointed member of the Graduate Studies Council / Princess Sumaya University for Technology (PSUT).
Jan. 2007	:	Appointed by the Ministry of Higher Education and Scientific Research at the Committee assigned the task to evaluate the performance of the "Scientific Jordanian Journals" that are issued by the Ministry and Jordanian Universities.
2006 – 2007	:	Appointed on the Scientific Research Council of the Al al-Bayt University, Mafraq, Jordan.
Sept. 2002	:	Appointed as a member of the committee for appointments and promotions at Mu'tah University.
Feb. 2002 – Aug. 2005	:	Appointed as the University President's Assistant for Scientific, External and International Affairs.
July 29 <sup>th</sup> – Aug. 3 <sup>rd</sup> 2001	:	Appointed as a member of the Advisory Board to organize IFES' 2001 which was held in Berlin, Germany.
July 1996	:	Appointed at the Editorial Board of the "Mu'tah Journal for Research and Studies".
Oct. 1996	:	Appointed by the German Academic Exchange Service (DAAD) on pre-selection committee of the candidates for Doctorate scholarships to Germany, Then I was appointed on the same committee for the following years: 2001, 2003, 2004, 2006 till 2015.
June 1996 – July 1997	:	Appointed as the University President's Advisor for International Affairs.

## Patents

Year	Details
Feb. 5 <sup>th</sup> 2001	The Commissioner of patents issued a patent for the joint invention with Professor Thomas F. Kelly, entitled "Resin-coated carbon-fiber cathodes: superior electron source". Patent Application Serial: 60/220, 862.

## Scientific Scores

<b>Research Gate Score</b>	:	36.46
<b>Research Gate Citations</b>	:	1380 (h index: 19)
<b>Google Scholar h – index</b>	:	22
<b>Google Scholar Citations</b>	:	1651
<b>Scopus Published Articles</b>	:	121 (h index: 16)

## Awards and Prizes

Year	Details
August 15 2023	: Appointed as "member of the International Advisory Board to the Director of the Institute of Scientific Instruments of the Czech Academy of Sciences ", with task to provide consultancy to the Institute on its research activities, research strategy, developing its research areas, establishing Int. cooperation, participating in Int. projects and evaluating the Institute's work, provide recommendations in relation to activities of scientific teams at the Institute and to provide further recommendations at the request of the Director of the Institute.
August 15 <sup>th</sup> 2022	: Awarded Certificate for Distinguished Efforts and Research Contributions in addition to Role in Mutah University Advancement in World Rankings
June 9 <sup>th</sup> 2022	: Awarded Certificate for Significant Scientific Work and for efforts in developing Polish – Jordan scientific cooperation awarded from Nicolaus Copernicus University In Torun "Research University", Poland
Jan. 4 <sup>th</sup> 2021	: Awarded Certificate of Appreciation from Mu'tah University for contributions to distinguished scientific research & advancement in International Universities' ranking.
Nov. 2 <sup>nd</sup> 2017	: Awarded Certificate of Appreciation from the Applied Science University
June 1 <sup>st</sup> – Aug. 1 <sup>st</sup> 2016	: Awarded a Post-Doctoral "Alexander von Humboldt Stiftung Research Fellowship" at Helmholtz-Berlin Center for Materials and Energy (HZB) – Berlin – Germany.
June 1 <sup>st</sup> – Aug. 1 <sup>st</sup> 2013	: Awarded a Post-Doctoral "Alexander von Humboldt Stiftung Research Fellowship" at Helmholtz-Berlin Center for Materials and Energy (HZB) – Berlin – Germany.
June 1 <sup>st</sup> – Aug. 1 <sup>st</sup> 2012	: Awarded a Post-Doctoral "Alexander von Humboldt Stiftung Research Fellowship" at Helmholtz-Berlin Center for Materials and Energy (HZB) – Berlin – Germany.
Apr. 10 <sup>th</sup> 2011	: Awarded the Medal of the "2 <sup>nd</sup> Int. Conf. for Materials in Jordan", held in Amman.
Oct. 26 <sup>th</sup> 2010	: Awarded the Medal of the Jordanian Astronomical Society at its 23 <sup>rd</sup> Anniversary Ceremony.
June 1 <sup>st</sup> – Aug. 31 <sup>st</sup> 2010	: Exceptional "Alexander von Humboldt Stiftung Research Award/Fellowship with accompanying research graduate student" at HZB.
June 20 <sup>th</sup> 2009	: Mu'tah University Medal awarded by the University and presented by HRH Princess Muna Al Hussein in recognition for the constructive efforts to serve and develop the Nursing Faculty in addition to continuous service to the university.
June 1 <sup>st</sup> – Aug. 1 <sup>st</sup> 2009	: Deutsche Forschungsgemeinschaft (DFG) Post-Doctoral Research Fellowship – HZB – Berlin – Germany.
June 1 <sup>st</sup> – Aug. 1 <sup>st</sup> 2008	: Awarded a Post-Doctoral "Alexander von Humboldt Stiftung Research Fellowship" Helmholtz-Berlin Center for Materials and Energy (HZB) – Berlin – Germany.
June – Aug 2001	: Scientific Research Contract for three months at Imago Scientific Instruments – Madison – Wisconsin – USA.
June 2000 – June 2001	: Scientific Post-Doctoral Research Award – Oak Ridge National Lab. (ORNL) – San Francisco – USA.

1999 – 2000	:	"Fulbright Post-Doctoral Research Fellowship" – Electrical and Computer Engineering Department – Florida International University – USA.
Dec. 27 <sup>th</sup> 1999	:	Mu'tah University Medal awarded and presented by the University president.
Dec. 15 <sup>th</sup> 1998	:	Members of staff of Mu'tah Univ. Medal awarded in recognition for distinguished efforts to serve Mu'tah University on the national and international levels
Oct. 8 <sup>th</sup> 1998	:	King Hussein Medal, awarded in recognition of the distinguished scientific efforts in preparation and organization of the 45 <sup>th</sup> International Field Emission Symposium (IFES) held in Jordan 12 - 18th Sept 1998.
Sept. 17 <sup>th</sup> 1998	:	HRH Crown Prince Hassan Medal, awarded to distinguished scientists attending the 45 <sup>th</sup> International Field Emission Symposium (IFES), held in Jordan Sept. 12 <sup>th</sup> – 18 <sup>th</sup> 1998.
June 1 <sup>st</sup> – Aug. 1 <sup>st</sup> 1997	:	Deutscher Akademischer Austauschdienst (DAAD) Post-Doctoral Research Fellowship – Bonn University – Germany.
June 1 <sup>st</sup> – Sept. 30 <sup>th</sup> 1994	:	Resumption of the "Alexander von Humboldt Stiftung Fellowship" Post-doctoral research at (FHI-MPG) – Germany.
June 1992 – Sept. 1993	:	"Alexander von Humboldt Stiftung Fellowship" post-doctoral research at the Fritz-Haber-Institute der Max-Planck-Gesellschaft – West Berlin – Germany.
1991 – 1992	:	"Fulbright Post-Doctoral Research Fellowship" at Stanford Research Institute (SRI), San Francisco – USA. Awarded the SRI certificates for "Scientific Research Distinction" to me and to Mu'tah University.
July 24 <sup>th</sup> – Sept. 24 <sup>th</sup> 1988	:	Max-Planck fellowship for Post-doctoral research at the Fritz-Haber-Institute der Max-Planck-Gesellschaft (FHI-MPG) – West Berlin – Germany.
1984	:	Honoury life membership of the Aston University Guild of Students, conferred in recognition for the organization of Aston students International Cultural Weeks.
1984	:	"Aston Graduates Association Prize "for"exceptional contribution to the social and cultural life of the University".

## Funded Research Projects

Donor	Project Title
Deanship of Scientific Research Mu'tah University	Field electron emission from MW CNTs as a potential electron source.
Science Research Support Fund (SRSF)	Polymeric nanocomposites doped with magnetically aligned nanoparticles for monovalent and multivalent ion rejection and electromagnetic wave polarizer.
Deanship of Scientific Research Mu'tah University	Characterization of an electron source from SW CNT mounted on W bases.

## Membership of Scientific Institutions

Country	Details
UK	Fellow (elected) of the Institute of Physics
Switzerland	Member of the European Physical Society
International	Member of the International Field Emission Society.
Jordan	Member of the Association of Jordanian Physicists and since 2008 till now, President elect of the Jordanian Physics Society

USA	Senior member of the IEEE (The Institute of Electrical and Electronics Engineers)
Korea	"International Field Emission Society – Fellow" title (elected) of the IFES – 2016, on June 16 <sup>th</sup> , 2016 at Gyeongjo, South Korea and being awarded: "For recognition as an eminent and outstanding scientist in the field of field emission, field ionization, and related phenomena".
(Conference Series)	"IFES Fellow" title (elected) of the International Field Emission Society
Germany	Member of the Max-Planck Alumni Association (MPAA).
Greece	Unanimously Elected Fellow of EMAAS (European Mediterranean Academy of Arts and Sciences)

## Courses Taught

Level	Courses
Ph.D.	Surface Physics, Plasma Physics, Elective: Non Destructive Technique NDT)
M.Sc.	Statistical Mechanics, Non-Destructive Technique (NDT) & its applications, High Voltage Breakdown Phenomenon, Methodologies of scientific research, Electrodynamics
B.Sc.	General Physics 1 (Mechanics and Heat), General Physics 2 (Electricity and Magnetism), General Physics for Agriculture, Electronics, Properties of Matter, Vacuum Technology, Electron Microscopy, Electronics for Computers, Electronic Instrumentation, Final year Graduation Project, Solid State Physics, Digital Electronics & Digital Electronics Lab. Vibrations and Waves, Introduction to Light and waves, Thin Film Technology, Quantum Mechanics, Thermodynamics, Statistical Mechanics, Atomic Physics, Modern Physics, Electromagnetic Theory I, Electromagnetic Theory II, Surface Physics, Physics of Meteorology, Environmental Physics, Modern Communication Systems, Physics for Architects, Physics for Life Sciences, Advanced Physics lab. Optics Lab. Applied Physics Lab. Electronic Instrumentation Lab. Vacuum Technology Lab. Electronics Lab. General Physics Lab. (2), General Physics Lab. (1)

## Donation of equipment

Title
1993/4 the Alexander von Humboldt Stiftung "AvH" donated a LEED AUGER instrument, to measure composition of materials, upon the success of the research project carried out at the Fritz-Haber-Institut der Max-Planck-Gesellschaft in Berlin.
1995 the Alexander von Humboldt Stiftung "AvH" donated an upgrade to the LEED AUGER instrument, installed at the "Materials Technology Lab." of the Dept. of Physics, Mu'tah Univ.
1992-5 The FHI-MPG donated several other electronic and ultra high vacuum (UHV) equipment and pumps to complement a surface analysis research facility at Mu'tah Univ. The president of the Univ. officially received them.
1994/5 a Philips Transmission Electron Microscope TEM 300 was donated, installed and operated in Mu'tah University, as a result of the collaboration existing with Philips and the Fritz-Haber-Institut.
Similar Philips donated Transmission Electron Microscope was obtained for the - Hashemite University

(Zarqa), 1996.

Similar Philips donated Transmission Electron Microscope was obtained for the University of Jordan (Amman) 1997. Royal Jordanian Airlines kindly shipped the microscope without any charges.

1996/7 Donations, worth hundreds of thousands of D.M. of Periodicals and Books were obtained, for the library of Mu'tah University, from the German DFG and the Ministry of International Communication.

Sept. 2008 the AvH donated a Portable computer for fast data acquisition.

August 2016 Technical university of Berlin and HZB donated valuable materials for research.

Nov 30<sup>th</sup> 2016, Prof. Dr. John Banhart, Helmholtz Center Berlin for Energy and Materials, confirmed to me that "The Center obtained all approvals to export the highly advanced piece of equipment the Field Ion Microscope FIM as a donation and arrangements has been made for relocation of the Microscope." This instrument does only exist in advanced countries and would worth about a million Euro; thus providing our researchers with master piece of equipment. It enables studying single atoms, films growth and single-atom surface diffusion from metals ... etc.

Oct. 2018, Institute of Standards Int. of the Czech Academy of Sciences, Brno, Czech Republic, donated a "Sample Etching Machine" delivered by Prof. Alexandr Knappek whom solid collaboration is taking place with several exchanges of visiting researchers and students. Collaboration Agreement between ISI with Mutah University has been signed.

Nov. 2018 an UHV Turbo Molecular pump has been obtained from Lawazem Scientific and Medical Co. in addition to a Digital Camera and colored main printer with supply of inks. Four large screens were also obtained.

2019 Dr Alexandr Knappek from ISI visited Jordan and donated a "Dipping and Etching highly accurate Instrument" to the Surface Physics and Advanced Materials Technology Lab. of Mu'tah University. The Univ. appreciated the visit, cooperation (MOU has just been signed between both parties) and presented Dr Knappek with the Univ. shield.

## International Activities and Conferences

Year	Country	Title
25 <sup>th</sup> – 27 <sup>th</sup> Oct 2023	Mutah (Jordan) Mutah Univ.	The 2 <sup>nd</sup> Int. Conference for Science and Pharmacy (Chairman)
09 <sup>th</sup> – 13 <sup>th</sup> Oct 2023	Amman & Irbid (Jordan)	The 10 <sup>th</sup> International Petra School of Physics (PSP10) Advisory Committee
05 <sup>th</sup> – 07 <sup>th</sup> Oct 2023	Mahdia (Tunis)	Humboldt Kolleg; The international Material Development for New World (FMDNW 2023) Opening Ceremony & Session Chair & Invited Speaker
26 <sup>th</sup> – 28 <sup>th</sup> Oct 2022	Mutah (Jordan) Mutah Univ.	The 1 <sup>st</sup> Int. Conference for Science and Pharmacy (Chairman)
15 <sup>th</sup> – 17 <sup>th</sup> Sept 2022	Budapest (Hungary)	Humboldt Kolleg; Natur Mensch Technologie (invited speaker)
9 <sup>th</sup> – 11 <sup>th</sup> June 2022	Madaba (Jordan) German Jordanian Univ.	The Int. Conf / Humboldt Kolleg; "How to Change the World via Science" (Chairman)
24 – 28 March 2022	Tishk University Erbil, Iraq	6 <sup>th</sup> IECASS International Conference (Key Note Speaker) Invitation for visiting Tishk University and Soran University
1 – 2 November 2021	Helmholtz Berlin Zentrum for Energy	Scientific visit and cooperation with Mutah University (MOU)
3-5 November 2021	Brno, Czech Republic	Scientific visit and cooperation with Int. Standards Institute of the Czech Academy of Sciences with Mutah University (MOU)

15 <sup>th</sup> – 17 <sup>th</sup> Apr. 2020	Marrakesh (Morocco)	Virtual Conf: 5th Int. conf on Dielectric Materials and Applications.
21 <sup>st</sup> – 23 <sup>rd</sup> Oct. 2019	Hammamet (Tunis)	The Humboldt Kolleg "4 <sup>th</sup> Int conf. Research to application and Markets".
14 <sup>th</sup> – 19 <sup>th</sup> Oct. 2019	Adana (Turkey) Cukurova Univ.	The Int. Conf. on Condensed Matter and Materials Science (ICMMS-19).
12 <sup>th</sup> – 15 <sup>th</sup> Sept. 2019	Szczecin (Poland)	The 11 <sup>th</sup> Congress of Societas Humboldtiana Polonorum – Science in the age of Globalization.
1 <sup>st</sup> – 4 <sup>th</sup> Sept. 2019	Harnack House, Berlin (Germany)	"Max-Planck Symposium for Alumni and Early Career Researchers" conference
2 <sup>nd</sup> – 4 <sup>th</sup> May 2019	Amman (Jordan)	4 <sup>th</sup> Int. Conf. on Dielectric Materials and Applications. ISyDMA 4
11 <sup>th</sup> – 14 <sup>th</sup> Apr. 2019	Loveno di Menaggio, Villa Vigoni (Italy)	The Int. Conf. Kosmos in 21 Century.
15 <sup>th</sup> – 26 <sup>th</sup> Aug. 2018	Brno (The Czech Republic)	Scientific visit upon the invitation of the Institute of Scientific Instruments (ISI) of the Czech Academy of Sciences (ASCR). Joint scientific collaboration started.
10 <sup>th</sup> – 15 <sup>th</sup> June, 2018	Maryland (USA)	the 56 <sup>th</sup> International Field Emission Symposium (IFES), Atom Probe Tomography and Microscopy (APT&M)
14 <sup>th</sup> – 17 <sup>th</sup> May, 2018	Chisinau (Moldova)	the NATO advanced research workshop SPS.EAP.ARW.G5347 "Functional nanostructures and sensors for CBRN defence and environmental safety and security –FNS-CBRN Defence-2018"
1 <sup>st</sup> – 3 <sup>rd</sup> May, 2018	Amman (Jordan)	The 12 <sup>th</sup> Arab Conf. for Astronomy and Space Science & The 7 <sup>th</sup> Islamic Astronomical Conf.
20 <sup>th</sup> – 23 <sup>rd</sup> Apr. 2018	Ohrid (Macedonia)	The Humboldt Kolleg 2018 titled "At the door of European Union: The role of the science for sustainable development of the Balkan region"
10 <sup>th</sup> – 12 <sup>th</sup> Apr. 2018	Irbid (Jordan) JUST Univ.	Int Conf. on current nanotechnology and its applications (ICCNA 2018)
4 <sup>th</sup> – 6 <sup>th</sup> Apr. 2018	Marrakech (Morocco)	the Int. Conf. Humboldt Kolleg "Beacons of hope in the quest for the next Einstein in MENA"
24 <sup>th</sup> – 26 <sup>th</sup> Oct. 2017	Cairo (Egypt)	the "Science and management for sustainable development" held at the National research Centre (NRC) that was jointly organized by Japanese SPS and the AvH Alumni.
10 <sup>th</sup> – 18 <sup>th</sup> Aug. 2017	Dortmund (Germany)	scientific visit to the Leibniz-Institut fur Analytische Wissenschaften – ISAS – e. V.
1 <sup>st</sup> – 10 <sup>th</sup> Aug. 2017	Berlin (Germany)	Scientific visit to the Helmholtz Zentrum Berlin.
27 <sup>th</sup> – 29 <sup>th</sup> Apr. 2017	Mafraq (Jordan) Al al Bayt Univ.	The Int. Conf./ Humboldt Kolleg; "Jordan Life Sciences Conference for Sustainable development"
Mar. 29 <sup>th</sup> – Apr. 1 <sup>st</sup> , 2016	Irbid (Jordan) JUST Univ.	The first Scientific Jordanian Tunisian Forum
16 <sup>th</sup> – 18 <sup>th</sup> Sept. 2016	Sfax, (Tunis)	the 3 <sup>rd</sup> Int Conf. "Research in applications & Markets RAM 2016"
12 <sup>th</sup> – 17 <sup>th</sup> June, 2016	Gyeongju (Korea)	the 55 <sup>th</sup> IFES, APT&M "From Science to Industry"
21 <sup>st</sup> – 23 <sup>rd</sup> June 2015	Cracow, Poland	Int. Conf. "Progress in Biomedicine and Neuromedicine"
10 <sup>th</sup> – 13 <sup>th</sup> May 2015	Torun, Poland	The Humboldt Kolleg Int. Conf. on "Ethics in Science & Life, Standards and Dilemmas".



August 31 <sup>st</sup> - 5 <sup>th</sup> Sept. 2014	Stuttgart (Germany)	the 54 <sup>th</sup> IFES, together with two of my graduate students from Mu'tah university, chairing the session: "High Field Nano Sciences"
3 <sup>rd</sup> – 5 <sup>th</sup> Apr. 2014	Amman (Jordan)	The Int. Conf./ Humboldt Kolleg; "Building Int. Networks for enhancement of Research in Jordan"
15 <sup>th</sup> Nov 2013	London (UK)	invited to the Institute of Physics (IOP) to attend the 2013 Awards Dinner of the Institute at the Lancaster Terrace, London W2 2T to celebrate "achievements of the Physics community which recognize outstanding research".
4 <sup>th</sup> – 7 <sup>th</sup> July 2013	Poznan (Poland)	the 9 <sup>th</sup> Congress of the "25 Years Societas Humboldtiana Polonorum"
28 <sup>th</sup> – 30 <sup>th</sup> June 2013	Safax (Tunis)	the Humboldt Kolleg "Research to Applications & Markets II"
30 <sup>th</sup> May – 1 <sup>st</sup> June 2013	Venice (Italy) Venice Int. Univ.	the AvH Kolleg Italian Association meeting and discussed the AvH Mediteranian Network Projects specially the clean energy one.
12 <sup>th</sup> – 13 <sup>th</sup> Nov. 2012	Amman (Jordan)	the German Rectors' Conf. (DIES-Seminar): "Enhancing internationalization and managing partnerships between higher education institutions in Germany and Jordan"
Dec. 28 <sup>th</sup> – Oct. 1 <sup>st</sup> , 2012	Cairo (Egypt) German University	the Humboldt Kolleg conference
31 <sup>st</sup> Aug – 9 <sup>th</sup> Sept. 2012	Germany	scientific visits to the Dept. of Physics at Chemnitz University from 31 <sup>st</sup> Aug – 4 <sup>th</sup> Sept. and to Berlin from 5 <sup>th</sup> Sept. – 9 <sup>th</sup> Sept. 2012 to enhance scientific collaboration.
21 <sup>st</sup> – 25 <sup>th</sup> May 2012	Alabama (USA)	the 53 <sup>rd</sup> IFES, chairing the session: "High Field Sciences and Sources 1"
09 <sup>th</sup> – 11 <sup>th</sup> Mar. 2012	Marrakech (Morocco)	the Humboldt Kolleg / Int. Conf. "New Prospects for Science and Education in the MENA region"
27 <sup>th</sup> – 29 <sup>th</sup> Jun 2011	Berlin (Germany)	the Annual General Meeting of the AvH in Berlin and had the honor to meet with the German President Christian Wulff on June the 28 <sup>th</sup>
23 <sup>rd</sup> – 25 <sup>th</sup> June 2011	Monastir (Tunis)	the Humboldt Kolleg "Research to Applications & Markets"
25 <sup>th</sup> – 27 <sup>th</sup> May 2011	Rome (Italy)	Int Conference organized by Universita di Firenze and Assoc. Italiana AVH. A memorandum of understanding "AvH Med Net initiative MOU" to form a network between the Mediterranean Humboldt Clubs (of Italy, Greece, Spain, Masadonea, Maghreb and Jordan) was also signed by Prof. Schwartz the president of Humboldt Foundation.
9 <sup>th</sup> – 11 <sup>th</sup> April 2011	Amman (Jordan)	The Int. Conf. on Materials in Jordan – Humboldt Kolleg; under the title "Recent Developments & Future Resources
12 <sup>th</sup> – 14 <sup>th</sup> Dec. 2010	Oran (Algeria)	(Humboldt Kolleg) 2nd North African Conference on computational Physics and Chemistry
24 <sup>th</sup> – 26 <sup>th</sup> Sept. 2010	Ismaylia (Egypt)	(Humboldt Kolleg) "Green Chemistry for clean environment"
4 <sup>th</sup> – 8 <sup>th</sup> July 2010	Sydney (Australia)	the 52 <sup>nd</sup> IFES
21 <sup>st</sup> – 23 <sup>rd</sup> June 2010	Rabat (Morocco)	(Humboldt Kolleg) University Research-Industry: Partnering Opportunities Conference
26 <sup>th</sup> – 27 <sup>th</sup> May 2010	Wroclaw (Poland)	the High Field Nano Science (HFNS) workshop
10 <sup>th</sup> – 12 <sup>th</sup> Apr. 2010	Amman (Jordan)	The Workshop on Materials in Jordan" – Humboldt Kolleg

15 <sup>th</sup> – 19 <sup>th</sup> Nov. 2009	Amman (Jordan)	The Int. Conference on Frontiers of Chemical sciences IV: Research and Education in the Middle East. A Bridge to Peace and Int. development" (Malta-IV).
9 <sup>th</sup> – 14 <sup>th</sup> Nov. 2010	Amman (Jordan)	the Middle East Doctoral Student Workshop "Communicating the Chemical Sciences"
17 <sup>th</sup> – 23 <sup>rd</sup> Aug. 2009	Berlin (Germany)	The "Thermec Int. Conference" with 1200 participants. Chaired a session "Composite Metallic Materials".
10 <sup>th</sup> – 11 <sup>th</sup> May 2009	Amman (Jordan)	the "German Middle East Int. Conference"
4 <sup>th</sup> – 6 <sup>th</sup> Mar. 2009	Amman (Jordan)	"The 1 <sup>st</sup> Int. Conf. on Materials in Jordan" – Humboldt Kolleg
19 <sup>th</sup> – 23 <sup>th</sup> Jan. 2009	Berlin (Germany) the German Foreign Ministry	AvH Alumni Network Conference and Bonds of trust 2009 – Germany Alumni in Tomorrow's World
12 <sup>th</sup> Apr. 2008	Amman (Jordan)	The JCHF and Goethe-Institute in Amman the "1 <sup>st</sup> Workshop on Materials in Jordan".
11 <sup>th</sup> – 15 <sup>th</sup> July 2008	Rouen (France)	The 51 <sup>st</sup> IFES
25 <sup>th</sup> – 29 <sup>th</sup> Oct. 2007	Penang (Malaysia)	the AVH-Kolleg on "Aquatic Sciences cum Enhancement of the Agro-Industry"
18 <sup>th</sup> – 21 <sup>st</sup> June 2007	Goteborg (Sweden)	<i>The Workshop on "Current Issues in Atom Probe Tomography" and Int. Steering Committee Meeting of IFES in Chalmers University of Technology</i>
17 <sup>th</sup> – 20 <sup>th</sup> July 2006	Guilin (China)	The 50 <sup>th</sup> IFES
21 <sup>st</sup> – 25 <sup>th</sup> Sept. 2006	Penang (Malaysia)	the AVH-Kellog on "Biotechnology and scientific advances for socio-economic benefits"
19 <sup>th</sup> – 21 <sup>st</sup> Feb. 2006	Mombay (India)	The 3 <sup>rd</sup> Western Regional Humboldt Colloquium
12 <sup>th</sup> – 16 <sup>th</sup> July 2004	Graz (Austria)	The 49 <sup>th</sup> IFES
7 <sup>th</sup> – 11 <sup>th</sup> July 2002	Lyon (France)	the 48 <sup>th</sup> IFES
8 <sup>th</sup> – 12 <sup>th</sup> May 2002	Bonn (Germany)	The conference for the presidents of the Humboldt Clubs around the world.
12 <sup>th</sup> – 16 <sup>th</sup> Nov. 2001	Alicante (Spain)	The 3 <sup>rd</sup> European Field Emission Workshop
29 <sup>th</sup> July – 3 <sup>rd</sup> Aug. 2001	Berlin (Germany)	the 47 <sup>th</sup> IFES
June – 20 <sup>th</sup> Aug. 2001	Madison (USA)	Participating in a scientific research program on the deployment of electron sources in technology with the University of Madison in Wisconsin and the University of Tennessee, Knoxville.
4 <sup>th</sup> – 7 <sup>th</sup> Feb. 2001	Madison (USA)	Participating in a scientific workshop at the University of Madison in Wisconsin.
23 <sup>rd</sup> – 28 <sup>th</sup> July 2000	Pittsburgh (USA)	The 46 <sup>th</sup> IFES
Feb. – May. 2001		fellowship doing research on developing electro polishing and ion milling techniques to fabricate Atom Probe Field Ion Microscopy (APFIM) specimens of bulk molybdenum-based alloys.
June 2000 – Feb. 2001	Tennessee (USA) Oak Ridge National Laboratory	Fellowship doing research at the Microscopy & Microanalytical Sciences / Metals and Ceramics Division working on a novel approach to gaseous field ion sources for focused ion beam applications.

12 <sup>th</sup> – 15 <sup>th</sup> Apr. 2000	Washington, D.C. (USA)	The Fulbright Visiting Scholar Conference "Modern democracy in a Changing World".
12 <sup>th</sup> – 17 <sup>th</sup> March 2000	Florida (USA) Orlando, Univ. of Central Florida	The 3rd joint meeting of the Microscopy Society of America and the American Vacuum Society
1 <sup>st</sup> – 3 <sup>rd</sup> Nov. 1999	Miami (USA)	The TECH EAST 1999 – 2009 Conference
12 <sup>th</sup> – 18 <sup>th</sup> Sept. 1998	Irbid (Jordan)	chaired the 45 <sup>th</sup> IFES
23 <sup>rd</sup> July 1997	Erlangen (Germany)	Gave an invited talk at Erlangen University.
6 <sup>th</sup> – 11 <sup>th</sup> July 1997	Tsukuba (Japan)	The 44 <sup>th</sup> IFES
18 <sup>th</sup> – 26 <sup>th</sup> Apr. 1997	Germany	Visiting various scientific institutions in Berlin, Leipzig, Hannover and Bonn upon the invitation of the Friedrich-Ebert-Stiftung.
16 <sup>th</sup> – 23 <sup>rd</sup> Feb. 1997	Bonn (Germany)	The international meeting for the presidents of the Alexander von Humboldt clubs around the world.
14 <sup>th</sup> – 19 <sup>th</sup> July 1996	Moscow (Russia)	The 43 <sup>rd</sup> IFES
7 <sup>th</sup> – 12 <sup>th</sup> July 1996	St. Petersburg (Russia)	The 9 <sup>th</sup> Int. Vacuum Microelectronics Conference (9 <sup>th</sup> IVMC)
10 <sup>th</sup> – 14 <sup>th</sup> June 1996	Polanica Zdroj (Poland)	The 18 <sup>th</sup> "International Seminar on Surface Physics" (ISSP)
7 <sup>th</sup> July – 11 <sup>th</sup> Aug. 1995	Madison (U.S.A.)	The 42 <sup>nd</sup> IFES
24 <sup>th</sup> July – 11 <sup>th</sup> Aug. 1995	Germany	Scientific visits to investigate the possibility for joint collaboration and to establish academic exchange program, upon the invitation of: Bonn Univ. Alexander-Von-Humboldt Stiftung, Erlangen Univ. VSI, Free Univ. of Berlin, Fritz-Haber Institute and BESSY.
11 <sup>th</sup> – 16 <sup>th</sup> June 1995	Koln (Germany)	Scientific visit to educational establishment
11 <sup>th</sup> – 15 <sup>th</sup> July 1994	Rouen (France)	The 41 <sup>st</sup> IFES
6 <sup>th</sup> – 11 <sup>th</sup> June 1994	Kudowa (Poland)	The 17 <sup>th</sup> ISSP
30 <sup>th</sup> Aug. – 4 <sup>th</sup> Sept. 1993	Warwick (U.K.)	The 13 <sup>th</sup> European Conference on Surface Science
2 <sup>nd</sup> – 6 <sup>th</sup> Aug. 1993	Nagoya (Japan)	The 40 <sup>th</sup> IFES
5 <sup>th</sup> – 10 <sup>th</sup> Oct. 1992	Kudowa (Poland)	The 16 <sup>th</sup> ISSP
10 <sup>th</sup> – 14 <sup>th</sup> Aug. 1992	Halifax (Canada)	The 39 <sup>th</sup> IFES
5 <sup>th</sup> – 9 <sup>th</sup> Aug. 1991	Viena (Austria)	The 38 <sup>th</sup> IFES
29 <sup>th</sup> July – 3 <sup>rd</sup> Aug. 1990	Albuquerque (USA)	The 37 <sup>th</sup> IFES
16 <sup>th</sup> – 30 <sup>th</sup> Jan. 1990	(USSR)	To give lectures and investigate the possibility for joint investigations, upon the invitation of: Academy of Sciences of the U.S.S.R. in Moscow and Leningrad, Academy of the Ukrainian SSR in Kiev, Electro-Technical Institute of Communications in Leningrad, and Bashkir State University in Ufa.
30 <sup>th</sup> July – 4 <sup>th</sup> Aug. 1989	Oxford (UK)	The 36 <sup>th</sup> IFES
17 <sup>th</sup> – 23 <sup>rd</sup> July 1988	Oak Ridge (USA)	The 35 <sup>th</sup> IFES
9 <sup>th</sup> – 14 <sup>th</sup> May 1988	Piechowice (Poland)	The 12 <sup>th</sup> ISSP
11 <sup>th</sup> – 14 <sup>th</sup> Apr. 1988	Manchester (UK)	The First "European Vacuum Conference"

14 <sup>th</sup> – 18 <sup>th</sup> Sept. 1987	Crowly (UK)	Attended a vacuum technology course at "Edwards High Vacuum PLC".
12 <sup>th</sup> – 19 <sup>th</sup> July 1987	Osaka (Japan)	The 34 <sup>th</sup> IFES
17 <sup>th</sup> June – 8 <sup>th</sup> July 1987	Trieste (Italy)	A study visit to the "International Center for Theoretical Physics"
6 <sup>th</sup> – 11 <sup>th</sup> July 1986	West Berlin (Germany)	The 33 <sup>rd</sup> (I.F.E.S.)

## National Activities and Conferences

Year	Title
26 – 27 May 2021	Third National Conference for Food and Drug Industry (Food and Drug Security) Chairman of Scientific Committee Mu'tah University jointly with Jordan Food and Drug Administration
7 – 8 <sup>th</sup> May 2021	The Conference for the Renaissance of Education in Jordan during Hundred Years Mutah University (Chairman of the Scientific Committee)
14 <sup>th</sup> Mar. 2018 – present	Aoun Cultural association, founding member and member of the Administrative Committee for 5 years.
Sept. 2017 – present	The JU: participated in organizing various activities about scholarships to Germany, Physics Day of the Science Faculty and other seminars.
10 <sup>th</sup> Oct. 2019	Amman, the Univ. of Jordan, the 16 <sup>th</sup> Jordanian Chemistry Conf.
2 <sup>nd</sup> June 2019	Amman, Letter of gratitude from the Minister of Higher Education and Scientific Research for running seminar about applications for funding from the Science Research Support and Innovation Fund (SRSF).
4 <sup>th</sup> Apr. 2019	Amman, Haya Cultural Center, organized jointly with the JCHF and Al-Balqa' Applied University and FNF a day Conference titled "New horizons in technical and vocational training in Jordan".
25 <sup>th</sup> – 28 <sup>th</sup> Mar. 2019	Amman, the U.N./Jordan Workshop: Global partnership in space exploration and innovation. Co-chairing the session "Terrestrial Analogues"
26 <sup>th</sup> Nov. 2018	Amman, UNDP & Prince Faisal Research Center for Dead Sea Environment and Energy "مشروع التقليل والحد من الملوثات العضوية الثابتة"
25 <sup>th</sup> Oct. 2018	Amman, organized the joint Conf. between the JCHF and the FNF titled "Building successful partnerships between academia and industry – scientific research and labor market needs"
9 <sup>th</sup> – 12 <sup>th</sup> Oct. 2018	Amman, the 9 <sup>th</sup> Petra school of Physics.
16 <sup>th</sup> – 18 <sup>th</sup> July 2018	Amman, The Int. Conf. on fractional differentiation and its applications (ICFDA), held at the Univ. of Jordan.
11 <sup>th</sup> – 12 <sup>th</sup> May 2018	Amman, DAAD –AvH-Alumni Seminar in Amman titled "Meeting the challenges in the region – what can Int. / regional academic co-operation contribute"
29 <sup>th</sup> – 30 <sup>th</sup> Nov. 2017	Amman, the 6 <sup>th</sup> Int. Conf. (ZTIPC 2017: New Horizons in Pharmaceutical Research) held at al Zaytoonah Univ.
12 <sup>th</sup> – 14 <sup>th</sup> Sept. 2017	Amman, the First Int. Conf. Geospatial Information Management "Mapping the Future".
10 <sup>th</sup> – 13 <sup>th</sup> July 2017	Irbid, the Int. Conf. on advanced Materials (ICAM 2017).
5 <sup>th</sup> – 6 <sup>th</sup> Apr. 2017	Mafrag, the Conf. "Chemistry and Biosciences".
4 <sup>th</sup> Apr. 2017	Al-Karak, the Science Day of Science Faculty.

6 <sup>th</sup> – 8 <sup>th</sup> Dec. 2016	Amman, member of the preparatory committee of the 2 <sup>nd</sup> Conference for "Arab Survey and Geonames Experts".
24 <sup>th</sup> Nov. 2016	A conference was organized on about "Integrated Solid Waste Management in Jordan" held at landmark Hotel under the patronage of HE Minister of Water.
26 <sup>th</sup> – 28 <sup>th</sup> Apr. 2016	Irbid, the Spring Workshop "Nanotechnology in heavy metals removal and water treatment & Scientific Nanotechnology Day".
13 <sup>th</sup> Apr. 2016	A conference was organized on which presented the success story of higher education and industry in the field of Pharmacy and how to bridge the gap between them. HRH Princess Sumaya bint el Hassan patronized the Conf. giving a talk. Deans of Pharmacy faculties at several Arab Univ. Sec. General of the Arab Association of Pharmacy Faculties, Min. of Industry and several others from academia and industry actively participated. This Conf. to be followed by other conferences to work on bridging the gap.
24 <sup>th</sup> Nov. 2015	Amman, organized a joint educational and cultural event: A seminar was on about "The effect of Syrian refugees on the Higher Educational system (Universities) in Jordan".
21 <sup>st</sup> – 23 <sup>rd</sup> Oct. 2015	Amman, the Int. Pharmaceutical Conf. 2015 on "Frontiers in the pharmaceutical Sciences and Pharmacy Practice: A global perspective" within collaboration project between Al-Zaytoonah Univ of Jordan and Univ. of Toledo under the title "Frontiers in the Pharmaceutical Sciences and Pharmacy Practice: A global perspective".
18 <sup>th</sup> – 22 <sup>nd</sup> Oct. 2015	Madaba, participated at the Winter Workshop 2015 on "Heavy Metal removal and water treatment" within collaboration project between GJU and Leibnitz Institute for analytical science – ISAS – e.V.
6 <sup>th</sup> Oct. 2015	Amman, organized a joint educational and cultural event: "Reality and ambition of scientific research in the Jordanian academic institutions".
9 <sup>th</sup> Sept. 2015	Amman, organized a joint educational and cultural event: "Reform in education system in Jordan; Workshop"
13 <sup>th</sup> Aug. 2015	Amman, the meeting of Jordanian Scientists & Technologists Abroad – JoSTA Network.
5 <sup>th</sup> – 8 <sup>th</sup> May, 2015	Petra, the 15 <sup>th</sup> Int. congress of the Int. Society for Ethnopharmacology.
27 <sup>th</sup> – 29 <sup>th</sup> Apr. 2015	Irbid, the Int. Conf. on advanced Materials (ICAM 2015) at JUST. My graduate students presented two papers at the Conf. that were refereed and published at the British Journal of the Institute of Physics, U.K.
16 <sup>th</sup> Apr. 2015	Amman, organized a joint educational and cultural event: "Young Syrian Refugees in Jordan's higher education systems: Challenges and policies"
8 <sup>th</sup> Apr. 2015	Mafrag, the 14 <sup>th</sup> Jordanian Chemistry Conf. at Al al-Bayt University.
30 <sup>th</sup> Nov 2014	Amman, organized a joint educational and cultural event: "Educational reforms in Jordan – What is still needed?"
12 <sup>th</sup> Oct. 2014	Amman, organized a joint educational and cultural event: "Performance measures and accountability of Jordan's higher education system"
1 <sup>st</sup> Dec. 2013	Amman, organized a joint educational and cultural event: "Supporting intellectual freedom-strategies for scientific and educational progress in Jordan"
24 <sup>th</sup> March, 2013	Amman, organized a joint educational and cultural event: "The role of intellectual freedom in cultural, technological and economic development Jordanian and German perspectives"
8 <sup>th</sup> Nov. 2012	Amman, giving a lecture for elementary students of Al Fareed Model Schools in Amman, titled "Industrial materials and its role in development".

14 <sup>th</sup> Oct. 2012	Amman, the 1 <sup>st</sup> Arab Robotics Conference.
26 <sup>th</sup> Apr. 2012	Amman, Conf. at PSUT under the title "Jordanian Professors Today: Humboldtians Tomorrow", Society of Friends of Humboldt. Presentations and discussions about Humboldt cooperation's between Germany and Jordanian Humboldtians: valuable experience.
13 <sup>th</sup> Dec. 2011	Irbid, Participating at the Faculty of Archaeology and Anthropology of Yarmouk Univ in workshop about Archaeology of North Jordan plateau during the bronze and iron ages.
4 <sup>th</sup> – 8 <sup>th</sup> Dec. 2011	Amman, the 2 <sup>nd</sup> Conf. for Amman City: "Sustainability and Participation" organized by Amman Municipality and Center for New Jordan Studies
17 <sup>th</sup> Nov. 2011	Amman, gave a presentation about "Scholarships in Europe and especially in Germany" organized in cooperation between the "Jordanian Astronomical Society" and the "Jordanian Physics Society" at its third anniversary. Discussion also included opportunities at the USA and the world.
12 <sup>th</sup> – 14 <sup>th</sup> Nov. 2011	Amman, attended the 9 <sup>th</sup> SESAME Users Meeting.
17 <sup>th</sup> Nov. 2011	Amman, attending the "Understanding the Arab Spring - Recommendations for Peaceful Transitions to Democracy" organized by The Int. Crisis Group (ICG) and the Friedrich Naumann Foundation for Liberty (FNF).
12 <sup>th</sup> – 14 <sup>th</sup> Nov. 2011	Amman, SESAME Users 9 <sup>th</sup> Meeting.
28 <sup>th</sup> Apr. 2011	Amman, SESAME Users Meeting.
27 <sup>th</sup> Apr. 2011	Amman, Jordan, gave a talk "Jordanian professor development through Int. cooperation" at the Pharmaceutical Education and requirements of work market.
5 <sup>th</sup> May 2011	Al-Karak, participating at the 4 <sup>th</sup> Scientific Week of the faculty of Science, Mu'tah University.
9 <sup>th</sup> Dec. 2010	Amman, Final Conference on European-Jordanian scientific collaboration together with small projects exhibition. Inaugurated by HRH Princess Hassan Bin Talal.
25 <sup>th</sup> Sept 2010	Amman, "Returning Experts Program" in cooperation with vJADU seminar about joint masters programs between Germany and Jordan: Water Resources management & "Renewable Energy for MENA region"
15 <sup>th</sup> – 17 <sup>th</sup> June, 2010	Amman (Jordan) National Conference for the development of study plans, teaching and learning, and scientific research
10 <sup>th</sup> – 12 <sup>th</sup> May, 2010	Al-Karak, chairman of the scientific committee of the 3 <sup>rd</sup> Scientific Week of the faculty of Science, Mu'tah University.
7 <sup>th</sup> – 9 <sup>th</sup> May, 2010	Amman, Jordan, Excellence in Education, Current practices, Challenges and Future Trends.
6 <sup>th</sup> May, 2010	Amman, 6 <sup>th</sup> National workshop of the Jordanian National Committee, SESAME.
27 <sup>th</sup> Mar. 2010	Organized a meeting in Amman that resulted in forming "The Network for Cooperation between German and Jordanian-German-Oriented Institutions and Associations in Jordan". A letter of support and collaboration with the Jordanian Club of Humboldt fellows was sent by HRH Princess Sumaya bint El Hassan and read at the meeting.
16 <sup>th</sup> Jan. 2010	Amman, Jordan, organized a reception patronized by HRH Princess Sumaya bint el Hassan to express gratitude to the Humboldt Jordanian University Presidents and vice presidents for distinguished service, in addition to a distinguished group of German and Jordanian personalities who served the cause of science, technology and friendship between Jordan and Germany.
19 <sup>th</sup> – 21 <sup>st</sup> Nov. 2009	Petra, Eighth SESAME Users Meeting.

9 <sup>th</sup> – 15 <sup>th</sup> Nov. 2009	Amman, helped in organizing and participated at the "Middle East Doctoral Student Workshop on "Communicating the Chemical sciences".
7 <sup>th</sup> Nov. 2009	Amman, the 4 <sup>th</sup> Conf. on Scientific Research in Jordan, organized by "Jordan Society for Scientific Research".
26 <sup>th</sup> – 28 <sup>th</sup> Oct. 2009	The 2 <sup>nd</sup> Int. Symposium on Nuclear Energy (ISNE-09) and chairman of session IV.
1999	Amman, member of the Council for Higher studies of Princess Sumaya University for Technology.
4 <sup>th</sup> – 8 <sup>th</sup> May, 2008	Director of the 1 <sup>st</sup> scientific week for the Science Faculty of Mu'tah University.
12 <sup>th</sup> Apr. 2008	Director of the Surface Science workshop organized by the JCVHF.
9 <sup>th</sup> – 15 <sup>th</sup> Apr. 2008	Organized the scientific visit by Dr. Nelia Wanderka from Hein-Meitner-Institut Berlin to Mu'tah Univ and scientific institutions in Jordan.
17 <sup>th</sup> – 19 <sup>th</sup> Nov. 2007	Sixth SESAME Users Meeting.
28 <sup>th</sup> Oct. – 1 <sup>st</sup> Nov. 2007	The Jordanian 13 <sup>th</sup> Scientific Week organized by the Higher Council for Science and Technology held under the title "Scientific and Technological Parks: Building Knowledge Economy".
3 <sup>rd</sup> Sept. 2006	Mafrq, 21 <sup>st</sup> March 2007 organized the German-Jordanian Workshop titled: Cooperation between Germany and Jordan – Scholarships and Scientific Research in Germany.
27 <sup>th</sup> – 28 <sup>th</sup> Sept. 2006	The Jordanian 12 <sup>th</sup> Scientific Week organized by the Higher Council for Science and Technology.
18 <sup>th</sup> – 20 <sup>th</sup> Sept. 2005	The Jordanian 11 <sup>th</sup> Scientific Week organized by the Higher Council for Science and Technology.
21 <sup>st</sup> – 23 <sup>rd</sup> Sept. 2003	The Jordanian 10 <sup>th</sup> Scientific Week organized by the Higher Council for Science and Technology.
23 <sup>rd</sup> – 25 <sup>th</sup> Sept. 2001	The Jordanian 9 <sup>th</sup> Scientific Week organized by the Higher Council for Science and Technology.
13 <sup>th</sup> Oct. 2001	Elected as an executive committee member for the national team of the Synchrotron project in Jordan (SESAME)
12 <sup>th</sup> – 18 <sup>th</sup> Sept. 1998	The 45 <sup>th</sup> International Field Emission Symposium, held at JUST
10 <sup>th</sup> Sept. 1998	Irbid, organized the International Introductory School about Field Electron, Field Ion Emission, Atom probe and Vacuum Microelectronics that was held at Jordan University of Science and Technology (JUST).
1 <sup>st</sup> – 3 <sup>rd</sup> Nov. 1997	Director of the First Conference on Materials Science CMS1, Mu'tah University
18 <sup>th</sup> – 21 <sup>st</sup> Apr. 1994	Amman, the 3 <sup>rd</sup> Int. Conference for condensed matter.
1990 - 1991	supervised the process of maintaining some vacuum equipment of the Vaxenes center that belong to the Ministry of Agriculture and provided a vacuum technology intensive course to the operators of the equipment
June 1991	Irbid, one-week computer course on some computer applications in physics at the "Center for theoretical Physics, Yarmouk University"
20 <sup>th</sup> – 24 <sup>th</sup> Mar. 1989	Amman, the 2 <sup>nd</sup> Int. Conference for condensed matter
28 <sup>th</sup> – 31 <sup>st</sup> Oct. 1987	Amman, Univ. of Jordan & Royal Sci. Soc. the 1 <sup>st</sup> Int. Conference for condensed matter
1987	Initiating the federation agreement between the Int. Centre for theoretical physics (I.C.T.P.; Trieste, Italy) and the Physics Dept. of Mu'tah University.
24 <sup>th</sup> August – 2 <sup>nd</sup> Sept. 1986	Amman, Int. Seminar on appropriate technology in the fields of solar and wind energy applications
24 <sup>th</sup> – 26 <sup>th</sup> Mar. 1986	Amman, Int. conference about remote sensing.
1 <sup>st</sup> – 9 <sup>th</sup> Sept. 1985	Amman, the 3 <sup>rd</sup> Petra school of Physics.