



Distinguished Professor Dr. Ihsan Ali Mahasneh, Biotechnology

- **Vice-President of Al al-Bayt University, Dean of Research & Graduate Studies, Dean College of Science, Dean College of Medicine, Dean of the Community Colleges Branches (5 campuses) of University of Sharjah**
- **Distinguished Professor for Leadership, Award Certificate of American Biographical Institute, 2002, USA**
- **Member & Colleague of Nobel-Prize Holders, New York Academy of Sciences, 1997, USA**
- **Member (Honorary Appointment) of the Research Board of Advisors, American Biographical Institute, 2002, USA**
- **Member, Board of Trustees of Zytoona University, 1998-2004, Jordan**
- **Member, Research Board of Advisors , American Biographical Institute, 2002, USA,**
- **Reregistered & Contributor to the International Gen/Banks in USA, Europe & Japan Gene/Banks (NCBI/EMBL/DDBJ):**
- **NCBI International Gene/Bank, National Center for Biotechnology Information, U.S. National Library of Medicine 8600 Rockville Pike, Bethesda MD, 20894 USA (www.ncbi.nlm.nih.gov).**
- **EMBL Gene/Bank of Europe, EMBL Heidelberg, Meyerhofstraße 1, 69117 Heidelberg, Germany (www.embl.de).**
- **DDBJ Gen/Bank of Japan, DNA Data Bank of Japan (DDBJ)(www.ddbj.nig.ac)**

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- **Administrative Leadership Positions (A total of 24years)**

Position	University	Date
Vice-President	Al al-Bayt University, Jordan	1994-2000
Dean , University of Sharjah Community Colleges & Branches (5 Campuses: Sharjah, Khorfakan, Kalba, Maleha, Diba)	University of Sharjah	2011-2017
Dean , College of Medicine	University of Sharjah	1/6-1/9-2015
Dean , College of Science	Al al-Bayt University, Jordan	2005-2010
Dean of Research & Graduate Studies	Mu'ta University, Jordan	1990-1994
Chairman , Department of Biological Sciences	Mu'ta University, Jordan	1988-1990
Chairman , University Libraries	Mu'ta University, Jordan	1988-1990

- The above administrative positions were full with the wide range of Academic, Administrative & Financial Affairs experience of leadership covering Establishment, Reforming of Universities & Colleges as in the following summary:

- 1. 1994-2000: Establishment of Al al-Bayt University:**

As a Vice-President I was fully responsible of establishment of Al al-Bayt University on all Aspects of Academics, Administrative, Finance, Studentship, Research & Community service. This included establishment the:

- **College of** (Science, Arts, Economics, Law & jurisprudence) in terms of study plans, human resources and infrastructure,
- **Institutes for Bachelor & postgraduate studies of (Political Sciences, Astronomy, Islamic Architecture Engineering)** in terms of study plans, human resources and infrastructure,
- **Centers of** (computer, environment & water, continuous education, central laboratories) in terms of study plans, human resources and infrastructure,

- **Deanships of** (Research & Graduate Studies, Studentship, Academic Services)
- **Administrative Departments** (Human Resource, Faculty, Library, Purchasing, Tenders, Finance, Registration, General Services, Engineering Workshops, Security and Guarding, Transportations, Restaurants, Communications, Agriculture Department) in terms of human resources and infrastructure,
- **Revision of the By-Laws, Regulations, policies & procedures of the University:** As a chairman of the By-Laws Committee, I have overseen & supervised the revisions and the preparation of University By-Laws, Regulation, policies & procedures in Al-al-Bayt University.

2. **1990-1994: Establishment of Mu'tah University:** I was full responsible of establishments the: (Secretary General of the Deans Council, Deanship of Research & Graduate Studies and Director of the libraries, College of Science, Laboratories).

3. **2011-now: Leading the Reforming the Community Colleges & Branches of the University of Sharjah (5 campuses: Sharjah, Khorfakan, Kelba, Maleha, Diba).** This included:

- Overseen all Affairs of Academics, Administrative, Studentship, Research, International Relations and community Engagement & Services.
- I have constructed 2 strategic plans for periods 2011-2015 & 2015-2020 including construction of 16 programs in different discipline (Biotechnology, pharmacology, dental technology, food safety, environmental safety, computer science, IT, Archiving & data management system, Business administration, secretary, librarian sickens, office managements, Chilled protection, social work) & accreditation according to the strategic vision of the University as required by the International accreditation requirements by the QS & ABEET.
- **Revision of the By-Laws, Regulations, policies & procedures of the University:** As a chairman of the By-Laws Committee, I have overseen & supervised the revisions and the preparation of the By-Laws, Regulation, policies & procedures as requested by the international accreditation agencies (QS, ABET) in the University of Sharjah.

- **International Awards & Distinction:**

1. Award of American Gold Medal of Honor for **Distinguished Leadership**, American Biographical Institute, USA, 2002.
2. Award Certificate for **Distinguished Leadership**, American Biographical Institute, USA, 2002.

3. Award Certificate of New York Academy of Sciences, USA for **Outstanding Contribution in Research and Community Services**, 1997.
 4. **Colleague affiliation of Nobel-Prize Holders**, New York Academy of Sciences, USA, 1997.
 5. **Award Certificate** of Research Board of Advisors , American Biographical Institute, USA, 2002.
 6. **Honorary Appointment** to the Research Board of Advisors, American Biographical Institute, USA, 2002.
 7. ORS Award (Overseas Research **Award of British Universities**), England, 1985.
 8. ORS Award (Overseas Research **Award of British Universities**), England, 1986.
 9. **Award of Scientific Distinction**, Yarmouk University), Jordan, 1984.
 10. **Award of Scientific Distinction of His Majesty King Hussein**), Jordan, 1984.
 11. Certificate of Recognition and Outstanding services in Mu'tah, Jordan. 1988-2000.
 12. Certificate of Recognition and Outstanding services in Al-al-Bayt University, Jordan, 1994-2005.
 13. Certificate of Distinction and Outstanding , University of Qatar, 2001-2005.
 14. Certificate of Recognition and Outstanding services in Sharjah University, 2016
 15. International Consultant in Biotechnology & Genetic Engineering: (UNESCO, UNDP, ALESCO, ESESCO, European Commission), 1990-2000
- **Board Memberships:**
 1. Member & Colleague of Nobel-Prize Holders, New York Academy of Sciences, USA, 1997.
 2. Member (Honorary Appointment) of the Research Board of Advisors, American Biographical Institute, USA, 2002.
 3. Member, Board of Trustees of Zytoona University, Jordan, 1998-2004
 4. Member, Research Board of Advisors , American Biographical Institute, USA, 2002.
 5. Member, University Council, AL al-Bayt University 1994-2000
 6. Member, Deans Council, Mu'tah University, 1990-1994
 7. Member, Deans Council, Al al-Bayt University 1994-2010
 8. Member, Deans Council, University of Sharjah, 2011-present
 9. Member, Governmental Interior Ministry Council of Jerash Province, Jordan, 1997-2000.
 - **Teaching (A total of 30 years):**

I have been involved in **teaching for the last 30 years** after Ph.D. of both post-graduate and under-graduate level as listed below:

Post-graduate (8 courses)

1. Gene Testing and Gene Therapy
2. Advanced Human Molecular Genetics
3. Advanced Biotechnology
4. Advanced Genetic Engineering
5. Advanced Experiments in Biotechnology
6. Advanced Cell and Tissue Culture
7. Advanced Marine Biotechnology

Under graduate courses (34 courses)

1. Genetic Engineering and DNA Technology
2. Basic Biotechnology
3. Industrial Biotechnology
4. Microbial Processing & Biotechnology
5. Environmental Biotechnology
6. Pharmaceutical Biotechnology
7. Agriculture Biotechnology
8. Bioinformatics
9. Applied Microbiology
10. General Microbiology
11. Medical Microbiology
12. Microbiology for nursing
13. Virology
14. Microbial Physiology
15. Mycology
16. Bacteriology
17. Research Project (Microbiology)
18. Special topics (Biotechnology)
19. Molecular Biology
20. Human Molecular Biology
21. Plant Cell and Tissue Culture
22. Vascular Plants I
23. Non-Vascular Plants II
24. Ecology
25. Ecology and Health
26. Marine Biology
27. Marine Invertebrates
28. General Biology I
29. General Biology II
30. Principles of Biology
31. Biodiversity-I
32. Biodiversity-2
33. General Sciences
34. Human & Environment

- **International Accreditations (QS & ABET) and Programs Development:**

I have a total of 30 years' experience in programs development of the credit-hour system and accreditation of more than (100) programs of different disciplines & levels of undergraduates & postgraduates including file preparation, faculty portfolio, courses filing and assessment, program assessment & coordination, course assessment as in the following summary of some examples:

Highlight	Description	University	Time
Credit-hours system experience	<ul style="list-style-type: none"> • Construction of curricula, revisions of various disciplines • Construction of the University academic calendar • Councils & central committees affairs (Board of Trustees, Department, College, Deans) • Examination monitoring • Building up Student advising system • Supervision of Registration & semester programming • Student activities • Student selection • Annual graduation • By-Laws implementation of the University in terms of student-admission, probations, expel, re-entry, courses equivalency, • Graduation & ceremony • Student transfer to University • Student exchange • Faculty teaching load • Faculty supervision load • Committees formulations 	<ul style="list-style-type: none"> • University of Mu'tah, Jordan • Al al-Bayt University, Jordan (including sabbatical leave in the University of Qatar). • University of Sharjah. UAE 	1988-now
Accreditation system experience	<ul style="list-style-type: none"> • Worldwide Accreditation Systems requirements • University Ranking Systems • National Qualification Framework (NQF) as set by the Higher Ministry of Education • Preparation of the programs documentations for initial & final accreditation • Program portfolio • Course portfolio 	<ul style="list-style-type: none"> • Al al-Bayt University, Jordan (including sabbatical leave, University of Qatar). • University of Sharjah. UAE 	2000-now

	<ul style="list-style-type: none"> • Faculty portfolio • Implementation of the accreditation system including Faculty student ratio, teaching-quality, research-quality, area per head, infrastructures & services • Course assessment protocols & loops • Program assessment & loops • Internal evaluation protocols • External Review Team discussions • Response to the reports of ERT • By-Laws implementation of the University in terms of student-admission, probations, expel, re-entry, courses equivalency 		
<p>Programs development experience</p>	<p>I have experience in various aspects of program development including:</p> <ul style="list-style-type: none"> • More than (100) programs of B.Sc., M.Sc. & higher Diploma in other disciplines including programs of medicine, pharmacology, engineering, education, jurisprudence, arts & social sciences, business administration; example of these where: • Political sciences • Public Relation • Health Monitoring • Child protection • Social services • Law • Theater Administration • Human Resources • Electronic archiving & documentation • Programs in Arts & social sciences 	<ul style="list-style-type: none"> • Durham University, England • University of Mu'tah, Jordan • Al al-Bayt University, Jordan (including sabbatical leave in the University of Qatar). • Philadelphia University • Jordanian Science & Technology University • Zytona University • Al-Balqa University • University of Sharjah. UAE 	<p>1988-now</p>

	<ul style="list-style-type: none"> • Biotechnology • Forensic medicine • Forensic Criminology • Basic Biology • Environmental Biology • Chemistry, physics, Mathematics, computer • Engineering • Pharmacology • Dentistry • Dentist Technology • Food safety • Environmental safety • IT • Business administration • Accounting • Surveying Engineering • Building Construction Technology • Electronic archiving, 		
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• **Distinguished International Contributions on International Journals, Books and Publishers:**

1. Honorable Editor of the International Journal of Molecular Biology Open Access (IJMBOA). (<http://medcraveonline.com/IJMBOA/editorial-board>), **MedCrave Group, Danforth Rd., Edmond, OK 73003, 2016 USA.**
Tel: +1-918-208-0288, Fax: +1-918-514-7616,
Email: info@medcraveonline.com, support@medcrave.com
2. Editor of the Arabian Journal of Science & Engineering, **Springer-Verlag GmbH Springer, 2016 Germany.**
3. Human Biology **ISBN: 978-994-813-992-5**, PP288. University Book Shop, Sharjah, UAE. (www.universitybookshop.ae), 2016, UAE
4. Man & Environment. **ISBN 978-994-818-459-1**. PP 333. University Book Shop, Sharjah, UAE. (www.universitybookshop.ae), 2015, UAE.
5. NOOR PUBLISHING (www.noor-publishing.com)
OmniScriptum Management GmbH,
Bahnhofstraße 28, D-66111 Saarbrücken, Germany & USA (One World Trade Center, Suite 8500, New York), 2016, USA

- **Distinguished International Contributions of Patented and pioneering achievement on Research Platform to the Gene/Banks of USA, Europe, Japan**
- Patency in Gene registration in International Gene Banks
 1. Mahasneh I. 2011. Genes Registration in the International DNA Gene Banks of the Nucleotide Sequence Database of GeneBanks of American National Center for Biotechnology Information (NCBI), Japan (DDBJ), European Molecular Biology Laboratory (EMBL) and the. Gene Accession Numbers of AB588124 (www.ncbi.nlm.nih.gov), **USA, Europe, Japan.**
 2. Mahasneh I. 2009. Gene Registration in the International Haplotype Reference Database Gene/Bank of the Y-chromosome (YHRD) in the University of Medicine, Berlin, Germany. Gene Accession Numbers of (YA003522) and (YA003523) for The Arabian Genetic Map, 2009. (www.yhrd.org/search), **Germany.**

GeneBanks	Gene Accession Number	Gene(s)	Genetic Platform
DNA GeneBanks (NCBI/EMBL/DDBJ) www.ncbi.nlm.nih.gov	AB588124	<i>16r RNA gene</i>	<i>Streptomyces coelicolor</i> 2011
YHRD www.yhrd.org/Search	YA003522	17 genes cluster	Arabian Genetic Map of Y-chromosome, 2009
YHRD www.yhrd.org/Search	YA003523	17 genes cluster	Arabian Genetic Map of Y-chromosome, 2009

- **International relations, invitations, training on higher Education Institutions:**
 1. Invitation by the Texas Consortium of Universities, for touring & exchanging views with the Top-Administration **on the level of Chancellor and Provost for Academic affairs, 1993, USA**
 2. **I have been invited as International Speaker** on Ecology and Faith in **Windsor-Summit** on Religions and Conservation, Windsor, England, UK,
 3. Postdoctoral research visit, Durham University, England, 1989, UK.
 4. 1995.
 5. **I have been invited as International Speaker** on Ecology and Faith in Atami-Summit on Religions and Conservation, **MOA International, 1995, Japan**
 6. I have participated in one month **Training Program on Leadership of Universities Administration** through the USAID in Texas International Consortium (TIEC), TEXAS, USA, 1993.
 7. **International visits to more than 40 Country** around the globe for

academic, administrative, community engagement in education and promotion international cooperation.

8. I have had a long experience on international interfaith dialog during King Hussein period in international conference on religious dialog in Windsor Castle, UK, Japan, Germany, Jordan on the diversity basis and social justice that are among international humanitarian fundamental values

- **International Conferences:**

1. I have organized more than (30) International conferences in various disciplines
2. I have participated in more than (20) International conferences in various disciplines

- **Examples of International & regional Cooperation & MoU**

MoU	European Commission & Al al-Bayt University	UK, Spain, Greece, Italy, France, Spain, Turkey, Morocco, Tunisia	1994-2000
MoU	Canadian Institute of Genetics & UoS	Canada, UAE	2014
MoU	Sharjah Center of Archiving,	Government of Sharjah, UAE	2013-now
MoU	Theater Directorate	Government of Sharjah, UAE	2013-now
Academic Collaboration	British Society of Gene & Celle Therapy	England, Jordan	2013
Research visit	Durham University, England	England, Jordan	1989
Training visit	Texas Tech. Consortium	USA	1993
Student training programs	Forensic laboratory, Police Headquarter Ministry of Interior	UAE	2013
Training visits	Sharjah Center of Archiving, Government of Sharjah	UAE	2013-now
Food & catering training program development	Supreme Council for Family Affairs	Government of Sharjah	2014
Training & lecturing	UAE genetic Diseases Association	Government of Dubai	2013-now
Scientific visit	British Society of Gene and Cell Therapy	England & UAE	2013

Scientific visit	Canadian Institute of Genetics	Canada & UAE	2014
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- **International consultations:**

1. Consultations: 1990-now International Consultations in Biotechnology & Genetic Engineering: **(UNESCO, UNDP, ALESCO, ESESCO)(United Nations & European Commission).**
2. 1991-1994, Expert with the Higher Council for Science and Technology (HCST) for many committees in Biotechnology and for building up the national strategy in biotechnology, Jordan.
3. 1994-1996 Expert with the European Commission for supervising project on Environmental impact assessment in the Euro- & Mediterranean states **including Jordan, Greece, Malta, Italy, Germany.**
4. 1994, Wastewater treatment, including Jordan, **DAAD, Bremen, Germany.**
5. 1996, High Performance Computer (HPC), including Parascytech, **Germany, Jordan, Egypt, Turkey.**
6. 1996, Biogas production and Renewable Energy project, **including Jordan, Italy, Morocco, Greece.**
7. 1996 Expert with Arab League **(ALESCO) joined with UNDP** to evaluate the Biotechnology **in North African Countries.**
8. 1995, Expert on Biodiversity with the Department of Environment joined with the **UNDP, Jordan.**
9. 1995 Expert with Arab League **(ALESCO) joined with UNDP** for authorization a book in Biotechnology.
10. 1995 Expert in Religions and conservations, **MO A International, Japan.**
11. 1995 Expert in Religions and conservations, **ICOREC, Manchester, U.K.**
12. 1993 Expert with the UNDP for evaluation of Biotechnology projects in **West Asia and North Africa.**
13. 1992 Expert on steering committee for the 2nd. Biotechnology conference in the **Arab world, Jordan.**
14. 1990 Expert on formulation the national strategy in Biotechnology.
15. 2001 Expert with The Scientific Applied Research center (SARC) and The Higher Council for environment (HCE), **Qatar.**
16. 2001 Expert on Biomonitoring of Bacterial pollution of the Umsaeed Seawater, SARC, **Qatar**
17. 2002 Expert on NITCO project on monitoring pollution by sewage effluent into seawater, SARC, **Qatar.**
18. 2003 Expert on Quality control of the drinking water microbial content, SARC, **Qatar .**
19. 2004 Expert on wastewater re-use for plantation of trees in Doha station, **Qatar.**
20. Ministry of Municipal Affairs and Agriculture, Drainage Department.,

Qatar.

- **Membership of International Societies & Associations:**
 1. Member of the International Society of Genetic Genealogy (ISOGG), 2013.
 2. Member of the British Gene & Cell Therapy (BGCT), since 2013
 3. Member of the Global Intellectual Society, 2013
 4. Member, New York Academy of Science, 1997
 5. Member, Jordanian Biological Society, 1988
 6. Member, Arabian Biological Society, 1988

- **Committees:**
- **Chaired Committees**

I have been honored to chair of **more than 100 committee**, for academic, administrative and technical subjects, many of them were the central permanent committees. **Some examples of the most important Committees are given blow:**

No	Status	Committee	University	Date(s)
1	Chairman	By-Laws, Regulations, policy & Pr ocedures revision, Central Committee	UoS	2015-present
2	Chairman	Central Committee for Archiving system development & Data management System (DMS)	UoS	2015
3	Chairman	Central Committee for Faculty Award of Community Service	UoS	2011-present
4	Chairman	Central Committee for Recruitment of Dean of Medicine	UoS	2014
5	Chairman	Central Committee for Recruitment of Dean of Health Sciences	UoS	2014
6	Chairman	Central Committee for Recruitment of Dean of Business Administration	UoS	2013
7	Chairman	Appointment Committee of Faculty members in the College of Science	UoS	2013
8	Chairman	Central Committee for Recruitment of the Award	UoS	2011-now

		of Community Service		
9	Chairman	Community Colleges (5 branches) Council	UoS	2011-now
10	Chairman	Council of Sharjah Institute of Electronic Archiving	UoS & Government of Sharjah	2013-now
11	Chairman	Electronic archiving study plan revision Committee	UoS & Government of Sharjah	2013
12	Chairman	Professional electronic archiving program	UoS & Government of Sharjah	2013
13	Chairman	Medical electronic archiving program	UoS	2014
14	Chairman	Central Committee of Planning	Al al-Bayt University	1994-2011
13	Chairman	Central Committee of Biding & Purchasing	Al al-Bayt University	1994-2011
15	Chairman	Computer Center Council	Al al-Bayt University	1994-2011
16	Chairman	Consultation & Community Service Center Council	Al al-Bayt University	1994-2011
17	Chairman	Central Committee of Appointment of Administrative staff	Al al-Bayt University	1994-2011
18	Chairman	Editor in-Chief of Archive of Biotechnology	Higher Council of Science & Technology, Jordan	1992-1994
19	Chairman	Central Committee of Promotion of Administrative Staff	Al al-Bayt University	1994-2011
20	Chairman	Central Computational Committee	Al al-Bayt University	1994-2011
21	Chairman	Central Graduation Committee	Al al-Bayt University	1994-2011
22	Chairman	Central Libraries Committee	Mu'tah University	1988-1991

- **Member of committees:**

I have been honored to participated in **more than 100 committee**, for academic, administrative and technical subjects, some of them were the central permanent committees. **Some examples of the most important committees are given below:**

No	Member	Committee / Council	University	Period
1	Member	Central Committee to build up a Faculty evaluation system	UoS	2015

2	Member	Sharjah establishment of the History of Arabian & Islamic Scientist	UoS	2015
3	Member	Deans Council	UoS	2011-now
4	Member	Deans Council	Al al-Bayt University	1994-2011
5	Member	Deans Council	Mu'tah University	1991-1994
6	Member	Reforming Committee for Khorfakan & Kalba UoS branches	UoS	2014
7	Member	Faculty Promotion Committee	UoS	2014
8	Member	Advisory Board of Biotechnology program	UoS	2012-now
9	Member	UAE-Genetic Disease Association Scientific Council	UAE-Genetic Diseases Association, Dubai	2013
10	Member	Central Committee for Faculty Appointment & Promotion	Al al-Bayt University	1994-2011
11	Member	Central Committee for Faculty Appointment & Promotion	Mu'tah University	1991-1994
12	Member	Central Committee of Appointment of Administrative staff	Mu'tah University	1988-1994

- **Community Service & engagement:**

- **2011-now: Activities initiation-organization & Supervision:** I have initiate, organized & supervised **more than (600) events & activity** provided for the Communities under my supervision in the (5) campuses of the Community College including engagements of students, Faculty and community.
- **Community Agreements initiation:** I have initiated (5) agreements with the governmental Directorates of Sharjah for establishment new programs as per needs.
- **Lecturing:** I have participated voluntarily in Community engagement & serving activities in more than **(100) voluntarily lectures, community** engagement and services provided for various Community sectors including: NGOs, Schools, Social Societies, Women Societies, Social Clubs, Cultural Agencies, in Jordan, Qatar and UAE.
- **Workshops Provided:** I have provided **(10)** workshops in general education, schools-teachers, & other public sectors in Jordan, Qatar & UAE.

- Some examples of the Community service:

No		Activity / event	Benefited Group / Partner	Community / Country	Time
1	Community Recognition Certificates	Training & lecturing	Supreme Council for Family Affairs	Government of Sharjah	2011-now
2		Training & lecturing	Sharjah Police Headquarters	Government of Sharjah	2011-now
3		Training & lecturing	Social Care Center Foundation	Government of Sharjah	2011-now
4		Training & lecturing	Sharjah Art Foundation	Government of Sharjah	2013-now
5		Training & lecturing	Shrajah Ladies Club	Government of Sharjah	2013
6		Training & lecturing	Al-Madam Ladies Club	Government of Sharjah	2013
7		Training & lecturing	Family Development Center	Government of Sharjah	2013
8		Training & lecturing	Society of Arabic Language Protection	Government of Sharjah	2012-now
9		Training & lecturing	Economic Development Department	Government of Sharjah	2013-now
10		Training & lecturing	Trust Club for Projects	Government of Sharjah	2013-now
11		Sharjah National Heritage Workshop	Maleha Club	Government of Sharjah	2013
12		Sharjah National Heritage Workshop	Maleha Municipality	Government of Sharjah	2011-2012
13		Environmental Workshop	Emirates Environmental Groups	Government of Sharjah	2010-211
14	Academic services	I have provided of more than (100) voluntarily lectures	NGOs, Schools, Social Societies, Women Societies, Social Clubs, Cultural Agencies, <u>Embassies,</u> <u>international groups</u> <u>& International</u> <u>Leaderships</u>	Jordan, England, Japan, Germany, Qatar, UAE.	1988-now
16		Programs Study Plan preparation and revision	I have shared the formulation, reforming and revision of several many programs for <u>external</u> Universities like, Jordanian Science & Technology University, University of Philadelphia, University of Zytona, University of Qatar,	Jordan, Qatar, UAE	1988-now

			University of Balqa, Jordan and UoS, UAE.		
17		Member of the Board of Trustees, University of Zytona, Jordan	University of Zytona	Jordan	1998- 2001
18		Consultations: Provide more than 15 international consultation tasks	See the section of Consultation	Many countries, (Worldwide), United Nations & the Arab League	1988- now
19		Workshops Provided	I have provided (10) workshops in general education, for schools teachers, & other public sectors, (4) of them for Shrajah Education Council	Jordan, Qatar, UAE	1988- now 2013 2014
20		Community service activities supervision & direction	I have supervised & directed of (370) activity provided for the Communities of the (5) Branches of the Community College, UoS, Sharjah.	UAE	2011- now
21	Community Committees	Member of Board of Trustees of Zytona University	Zytona University	Jordan	1998- 2002
22		Chairman of Central Committee for Development of Science Curricula	Ministry of Education	Government of Jordan	1998- 2001
23		Chairman of the Education Development Council	Ministry of Education	Government of Jordan	2007- 2011
24		Chairman of the Central National Committee for Exit Exam of Biology	Higher Education Ministry	Government of Jordan	2005- 2006
25		Member of Scientific Council of	UAE Genetic Diseases Association	Government of UAE	2013- now
26		Member of Archiving Institute Council	Center of Archiving & Documentation	Government of Sharjah	2013- now
27		Member of preparation of MoU on training programs	Sharjah Police	Government of Sharjah	2014

28		Member of National Bioethics Committee	Higher Council of Science & Technology	Government of Jordan	1998-2001
29		Member of National Disasters Committee	Prime Ministry	Government of Jordan	1998-2001
30		Member of the National Strategy of Science & Technology	Higher Council of Science & Technology	Government of Jordan	1998-2001
31	Workshops	I have provided more than (10) workshops	Schools, teachers, & other public sectors	Jordan, Qatar & UAE	1988-now

- **Research Focus & Publications:**
- **Current Research & Development :**

My research is focusing on 2 parallel lines of gene analysis of both Prokaryotic and Eukaryotic models:

1. **Human genotyping: DNA sequencing of the STRs genes of Arabian genome for the Gene Therapy of the most Common Genetic Diseases of highly prevalence due to high consanguinity (relative marriages). My data sets have been registered & deposited in the International Gene/Bank YHRD www.yhrd.org/Search.**

Using the Genetic Analyzer ABI 310 since 1995, and currently use of the GA AB3500, I have established the development of Arabian Genetic Map Database of Y-chromosome analysis for medical, forensic and genealogical applications. As a result of the scientific revolution on human genomics through the Human Genome Project (HGP), there have been a worldwide interest on the use of the analysis of the non-coding & non-recombined region of human Y chromosome know as the Short Tandem Repeats (Y-STRs) as a technological tool in human genotyping and identifications such as forensic human identification, social genetics, human populations and human genography. This project has started since 2006 and we have been able to conduct analysis of Y-STRs analysis of (17 loci) for (2000) male sample which where collected from Arabian tribes and populations of (21) of Arab countries: (Egypt, Sudan, Morocco, Algeria, Tunisia, Libya, Somalia, Mauritania, Yemen, Syria, Jordan, Palestine, Iraq, Lebanon, Saudi Arabia, United Arab Emirates, Kuwait, Qatar, Bahrain, Oman). As yet, we have been able to provide a bioinformatics analysis of for such genomic platforms by accomplishment of Y-Haplogroup analysis as well as Haplotype analysis. The Most Common Haplotypes was also constructed for each country, region and thus the Arab world as one population compared to other nations around the world. The data have been published in the International Haplotype Reference Database (YHRD) in the University of Medicine, Berlin, Germany and under the accession numbers of (YA003522) and (YA003523). This project has cover 10 M.Sc. Thesis which all has been carried out and approved by committees.

2. **Bacterial Genotyping: DNA sequencing of the 16S rRNA gene for infections and cancer therapy using a novel antibiotic producing strain *Streptomyces coelicolor* (AB588124). The 16S rDNA gene has been registered & deposited in the International Gene/Banks in USA, Europe & Japan Gene/Banks (NCBI/EMBL/DDBJ):**
 - **NCBI International Gene/Bank, National Center for Biotechnology Information, U.S. National Library of Medicine 8600 Rockville Pike, Bethesda MD, 20894 USA (www.ncbi.nlm.nih.gov).**
 - **EMBL Gene/Bank of Europe, EMBL Heidelberg, Meyerhofstraße 1, 69117 Heidelberg, Germany (www.embl.de).**
 - **DDBJ Gen/Bank of Japan, DNA Data Bank of Japan (DDBJ)(www.ddbj.nig.ac)**

on the Genetic Analyzer ABI 310, which led to developing new microbial platforms for antibiotic production Bacterial Strain. Currently, there is a worldwide growing demand for production of a new generation of antibiotics particularly due to the increase of evolution of resistant pathogens and that the problem of multi-resistance is being progressively accelerated due to the misuse of the available antibiotics during several decays. Streptomycetes are being considered as one of medicine's most important microbes which produces most of the natural antibiotics in use today in addition to the production of natural anti-cancer and immune-suppressing compounds. Therefore, Sequencing of the 16S rRNA gene of the *Streptomyces coelicolor* will help our understanding and thus capabilities in genetic engineering of a future strain capable of production of a new generation of antibiotics against the Multi-resistant pathogens. This project has started since 2006 and we have been able to provide a conclusive sequence of the 16S rRNA gene of the novel wild type strain of *Streptomyces coelicolor* after had been isolated from the desert soil of Qatar. The Full gene sequenc has been deposited in the International Gene/Banks/DDBJ/EMBL/NCBI and assigned an accession number of (AB588124). The data has been published in last 2011 (copy enclosed) and it does match the clone of *Streptomyces coelicolor* A3(2) as sequence by David A. Hopwood, of Johannes Centre in Norwich, and the Sanger Institute, U.K.

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2. Mahasneh I. 2017. Human Biology ISBN: 978-994-813-992-5, PP288. University Book Shop, Sharjah, UAE. (www.universitybookshop.ae) .
3. Mahasneh I. 2016. Will Molecular Biology Reshape our Near Future on 2050 & Beyond As we are Picking Up the Needle from the Straw? International Journal of Molecular Biology Open Access. 1(1):1-2.
4. Mahasneh I. 2015. Man & Environment. ISBN 978-994-818-459-1. PP 333. University Book Shop, Sharjah, UAE. (www.universitybookshop.ae) .

5. Mahasneh I.A. 2014. Profiling of the most common cancers among Arabian populationa: Towards establishment of a gene therapy platform in the region. 5th. National Conference, UAEGDA, 14-17-9-2014.
6. Mahasneh I.A. 2014. Bioinformatics analysis of the Arabian genomic landscape among Human Genetic Map of Y-chromosome. 3rd Annual Conference of Canadian Human & Statistical Genetics, 3-6/5, CANADA.
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13. Saleh Mohammadeen. and Mahasneh I.A. 2011. Genetic analysis of the STRs haplotypes of the Jordan Vally populations. Department of Biological Sciences, Al al-Bayt University, Jordan.
14. Ganyah Jagreef and Mahasneh I.A. 2010. Genetic analysis of the STRs haplotypes of the population of Alergia. Department of Biological Sciences, Al al-Bayt University, Jordan.
15. Berjas Abu-Mosymeer and Mahasneh I.A. 2010. Genetic analysis of the STRs haplotypes of the Be'r Al-Saba Bedouin in Jordan. Department of Biological Sciences, Al al-Bayt University, Jordan.
16. Tahani Al-Shaweesh and Mahasneh I.A. 2009. Genetic analysis of the STRs haplotypes among Bedouin populations of the Northeastern Badia of Jordan. Department of Biological Sciences, Al al-Bayt University, Jordan.
17. Qussai Zuryqat and Mahasneh I.A. 2009. Genetic analysis of the STRs haplotypes in the populations of the Southern Region of Jordan. Department of Biological Sciences, Al al-Bayt University, Jordan.
18. Bassem Mabroki and Mahasneh I.A. 2008. Genetic analysis of the STRs haplotypes in the Arabian populations of Arabian peninsula, Syria and Lebanon. Department of Biological Sciences, Al al-Bayt University, Jordan.

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- My books are being used as a text books in many Arabian Universities for students of Biotechnology, Biological, Medical & Health Sciences, Jordan, Qatar, Saudi Arabia, Sudan, North Africa. Some of my work has been translated into Japanese, Russian.

• **Ph.D. and M.Sc. Postgraduat supervision & examination**

1. Ph.D. Thesis: Mysoun mohammad. Invitro propagation of *Artemesia alba*. Faculty of Agriculture, University of Jordan. 2011.
2. Ruba AL-Majali, Mahasneh. I. Genetic analysis of the STRs haplotypes of the population of Iraq. Department of Biological Sciences, Al al-Bayt University, Jordan 2011.
3. Saleh Mohammadeen, Genetic analysis of the STRs haplotypes of the Jordan Vally populations. Department of Biological Sciences, Al al-Bayt University, Jordan 2011.
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 19. Adnan Al-Yamani. Carotenoids production by *Dunalliella salina* and its mutants isolated from Read Sea. Department of Biological Sciences, Al al-Bayt University, Jordan. 1997.
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 21. Lara AL-Saudi. Immobilization of the *Anabaena* M125 (Cyanobacterium) isolated from sulphur-hot spring for water purification of from toxic metals. Department of Biological Sciences, Al al-Bayt University, Jordan. 1997.
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36. A survey of the incidences of polymorphism in some blood enzymes in the Northern-Eastern Badia of Jordan. Department of Biological Sciences, Al al-Bayt University, Jordan. 1996.
37. A survey study of the prevalence and types of Thalassemia in the Northern Badia Region of Jordan. Department of Biological Sciences, Al al-Bayt University, Jordan. 1996.
38. Solid-state fermentation of lignocellulosic wastes by *Pleurotus ostreatus*. Department of Biological Sciences, Al al-Bayt University, Jordan. 1997.
39. Production of citric Acid from fungus *Aspergillus niger* and its mutants by solid-state fermentation. Department of Biological Sciences, Al al-Bayt University, Jordan. 1998.
40. Citric Acid production by selected *Aspergillus* spp. Using Whey as fermentation medium. Faculty of Agriculture, University of Jordan. 1997.
41. A survey study of the prevalence of Glucose-6-phosphate dehydrogenase deficiency in the Northern Eastern Badia region of Jordan. Department of Biological Sciences, Al al-Bayt University, Jordan. 1999.

Supervision & examining of graduation project

1. A survey of the viral diseases in Sharjah, College of Health Sciences, 2013
2. A survey and analysis of Diabetes Mellitus Prevalence in the North Districts (Irbid, Jerash, Mafraq, Ajlun) of Jordan. Department of Biological Sciences, Al al-Bayt University, 1995
3. A survey and analysis of Diabetes Mellitus Prevalence in the Middle Districts (Amman, Balqa, Zarqa, Madaba) of Jordan. Department of Biological Sciences, Al al-Bayt University, 1995
4. A survey and analysis of Diabetes Mellitus Prevalence in the south Districts (Karak, Ma'n, Aqaba, Tafila) of Jordan. Department of Biological Sciences, Al al-Bayt University, 1995
5. A survey and analysis of breast Cancer Prevalence in the North Districts (Irbid, Jerash, Mafraq, Ajlun) of Jordan. Department of Biological Sciences, Al al-Bayt University, 1996
6. A survey and analysis of Breast Cancer Prevalence in the Middle Districts (Amman, Balqa, Zarqa, Madaba) of Jordan. Department of Biological Sciences, Al al-Bayt University, 1996
7. A survey and analysis of Breast Cancer Prevalence in the south Districts (Karak, Ma'n, Aqaba, Tafila) of Jordan. Department of Biological Sciences, Al al-Bayt University, 1996
8. Characterization of Blood analysis of patients in Ibin Ai-Nafees Medical Center (1993-2001), Al al-Bayt University, Mafraq city, Jordan. Department of Biological Sciences, Al al-Bayt University, 1997

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10. Characterization of Blood analysis of patients in H.R.H. Princess Basma Hospital (1993-1995), Irbid, Jordan. Department of Biological Sciences, Al al-Bayt University, 1998
11. Characterization of Blood analysis of patients in H.R.H. Princess Basma Hospital (1995-1997), Irbid, Jordan. Department of Biological Sciences, Al al-Bayt University, 1998
12. 10.Factors affecting the production of olive oil in northern region of Jordan, Department of Biological Sciences, Al al-Bayt University, 1998
13. Survey of Brest cancer prevalence among Jordanian women, Department of Biological Sciences, Al al-Bayt University, 1998
14. Survey of prostate cancer prevalence among Jordanian males, Department of Biological Sciences, Al al-Bayt University, 1998.

- **Extra Qualifications and valuable Interests**

1. **Professional skills in DNA Fingerprinting**, Sequencing and DNA Technology using ABI Prism 310 Genetic Analyzer including bioinformatics skills of building up the Arabian Genomic Database
2. **International License in Scuba-Diving** and surveying the coast of the Red sea and the Arabian Gulf
3. **International Certificate of Equine** as issued from the Royal Jordanian Equinestraine Club and the Qatari Equinestraine Club.