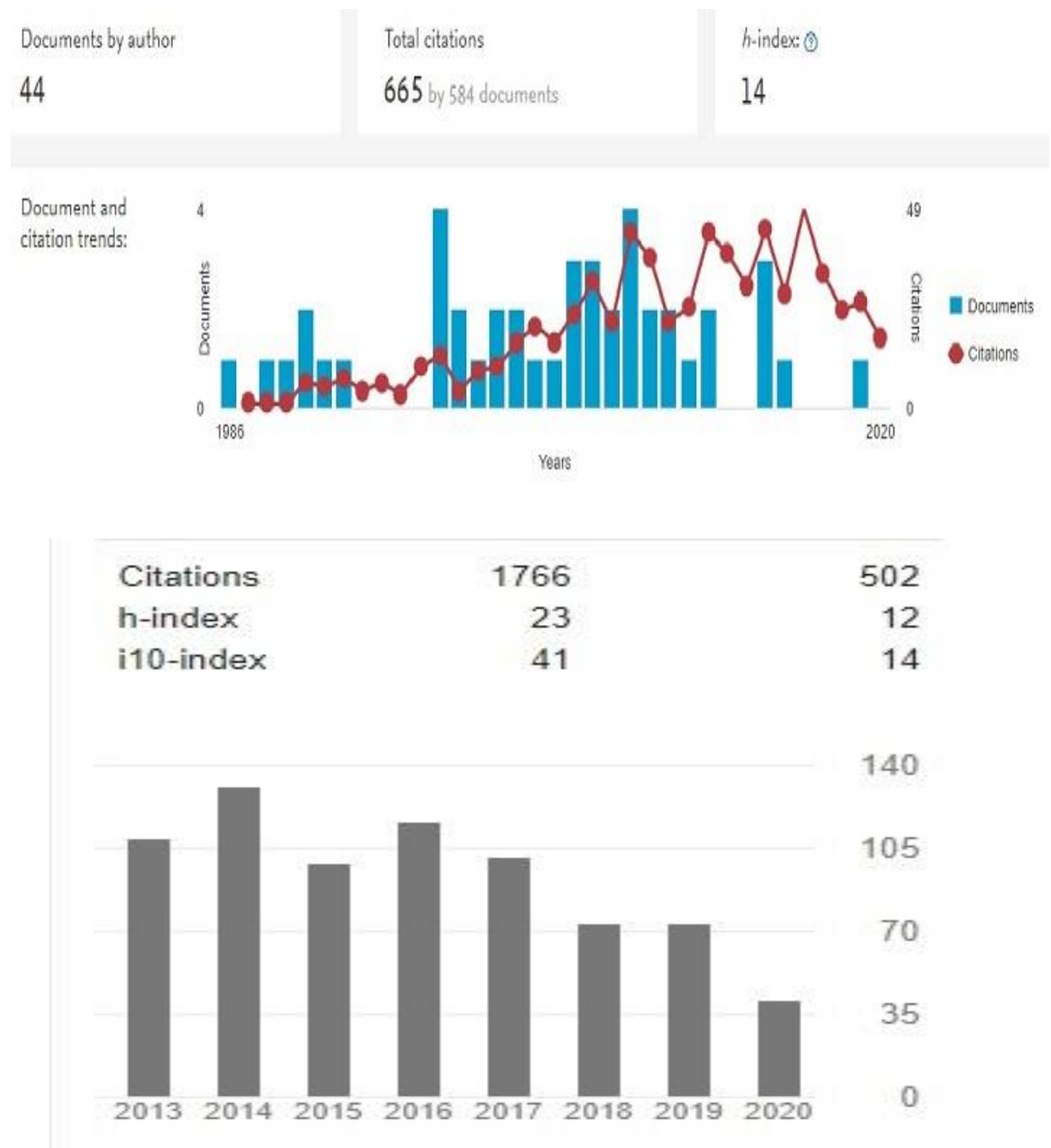


# CURRICULUM VITAE

**Prof. Dr. Khaled Husein Abu-Elteen**

**Professor of Microbiology and Mycology**





## Khaled Husein Ahmad Abu-Elteen

**Dept. of Biology and Biotechnology, Faculty of Science, Hashemite University, Jordan**

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### 1. Personal Data

Date of Birth : February 19, 1957  
Nationality : Jordanian  
Marital Status : Married with Three Children

### 2. Academic Qualification

Degree	Year	Major	Institution	Country
B.Sc.	1978	Physiology	Karachi University	Pakistan
M.Sc.	1979	Pathological physiology	Karachi University	Pakistan
Ph.D.	1991	Pharmaceutical Microbiology/Medical Mycology	Loughborough University of Technology	U.K

### **Ph.D. Dissertation:**

**Effects of Sub-inhibitory Concentrations of Antifungal Drugs on Adherence of *Candida* species,**

### 3-A. Academic Employment

POSTION	DEPARTMENT	EMPLOYER	DATE
<b>Professor</b>	Biology and Biotechnology	The Hashemite University- Jordan	<b>2017-</b>
Visiting Professor	Medical Laboratory Sciences	University of Sharjah, UAE (Leave without pay)	2015- 2017
Professor	Biology and Biotechnology	The Hashemite University- Jordan	2009- 2015
Professor	Medical Technology	Zarqa Private University ( Sabbatical Leave)	2008-2009
Professor	Biology and Biotechnology	The Hashemite University- Jordan	2007-2008
Associate Professor	Biology and Biotechnology	The Hashemite University- Jordan	2001-.2008
Assistant Professor	Biology and Biotechnology	The Hashemite University- Jordan	1998-2001
Assistant Professor	Medical Technology	Al-Zaytoonah Private University-Jordan	1993-1998
Assistant Professor	Medical Sciences	Zarqa National college-Jordan	1991-1993
Research Assistant	Botany and Microbiology	Kuwait University	1982-1988
Technician	Botany and Microbiology	Kuwait University	1981-1982

**B- Google Scholar Citation Indices**

	All	Since 2015
Citations	1715	459
H index	23	12
i10 index	38	14

**C- Researchgate Score (RG Score): 27.73; h- index: 20; Total Citation: 1235**

**D- Scopus: ID: 6603913576-  
h-Index: 14; Total Citation: 610; Documents by author: 44**

**E January 2018, ranked as one of the highly cited Jordanian Researchers 56<sup>th</sup> of all Jordanian Scientific Researchers in the Kingdom (h-index=21; i10-index=34; citation= 1464), listed in the Google Scholar Database. Available at:**

**[http://www.ju.edu.jo/Lists/UJRankingList/Disp\\_Form\\_New.aspx?ID=110](http://www.ju.edu.jo/Lists/UJRankingList/Disp_Form_New.aspx?ID=110)**

**E- <https://orcid.org/0000-0002-6149-5938>**

**4- Courses Taught**

Over 29 years of teaching experience in the field of Medical Laboratory Sciences (MLS), Biology and other related fields as follows:

<b>Al-Zaytoonah Private University- Department of Medical Laboratory Sciences ( 1993-1998)</b>	
<b>UG= Undergraduate Course; MS= Master Course</b>	
General Biology I	UG
General Biology lab	UG
General Biology II	UG
General Microbiology (Theory and Practical)	UG
Medical Microbiology ( Theory)	UG
Community Health	UG
Food Microbiology (Theory and Practical)	UG
Diagnostic Microbiology (Theory and Practical)	UG
Research & Seminar	UG
Students Clinical Training: Supervision and Tutoring MLS students during their clinical training in affiliated hospitals.	
<b>The Hashemite University-Department of Biology and Biotechnology (1998-2008, 2009- to date)</b>	
General Biology –1	UG
General Biology Practical –1	UG
General Biology Practical – 2	UG
Microtechnique (Theory and Practical)	UG
General Microbiology (Theory and Practical)	UG
Diagnostic Microbiology (Theory and Practical)	UG

Mycology (Theory and Practical)	UG
Research for B.Sc. Students ( Practical)	UG
Food Microbiology(Theory and Practical)	UG
Research Methods	MS
Medical Mycology	MS
Microbial Pathogenesis	MS
Advance Diagnostic Microbiology	MS
Pharmaceutical Microbiology	UG
<b>Zarqa Private University-Department of Medical Technology ( 2008-2009)</b>	
General Microbiology (Theory and Practical)	UG
Quality Control	UG
Diagnostic Mycology (Theory and Practical)	UG
Medical Virology	UG
Diagnostic Microbiology (Theory and Practical)	UG
<b>University of Sharjah- Department of Medical Laboratory Sciences (2015- 2017)</b>	
General Biology	UG
General Microbiology ( Theory)	UG
Diagnostic Microbiology ( Theory)	UG
Human Anatomy and Physiology	UG
Medical Mycology	UG
Practicum in Microbiology (Training)	UG
Introduction to Research	UG
Student Project ( Practical)	UG

### Supervision of Graduate Students (Master):

#### 1- Supervisor

Student Name	Thesis Title	Graduation Date
Hanan M. Al-Abeid	Evaluation of the Buccal Microflora in Immunocompromized Patients.	July, 2003.
Hasan S. Abu- Sini	Evaluation of the Specificity, Sensitivity and Accuracy of Various Serological Tests Used in the Diagnosis of <i>Helicobacter pylori</i>	May, 2004
Nisreen N. Abdullah	The Relationship of Bacteriospermia and Antisperm Antibodies in Human Seminal Fluid to Sperm Motility.	August, 2005
Muhammad K. Abu-Sini	Influence of Various Ultraviolet Intensities on <i>Candida albicans</i> Colonization and Virulence Factors.	January, 2006
Khaled Qudiesat	Isolation and Identification if Airborne Bacteria and Fungi from Indoor Air of Hospitals in Zarqa .	May, 2006
Amera Al-Sadeq	Phenotypic Characterization of Vaginal T Lymphocyte Activation Markers During Experimental Vaginal Candidiasis in Mice.	February,2007
Lila Al-Jendy	<i>n vivo</i> Effect of Vaginal Douching on Vaginal Candidiasis Using a Mice	May, 2011

فضيلة بو جلال	Effect of Glutathione Deficiency on Liver Regeneration in Rat	May, 2013
Fayyroz Rawahneh	Surgical Site Infections in the Orthopedic Surgery Units: Prevalence, Risk Factors and Treatment	December, 2014
Esra'a Jabreel Ibrahim Abu-Shoura	Biofilm Formation in Urine Catheter from Jordanian Patients	March, 2016

## 2- Co-supervisor

Student Name	Thesis Title	Graduation Date
Mohammed M. Ghaleb	Characterization and phenotypic profiling of T cell subsets residing within the vaginal mucosa of <i>Candida albicans</i> -infected mice.	May, 2002
Nisreen A.Abu-Sbitan	Biodegradation of chlorophenolic compounds originating from pharmaceutical industries.	July , 2003
Dua' Salah M. Nazzal	PCR- Based Molecular Differentiation of <i>Candida</i> species Clinical Isolates in Jordan	January, 2005.
Rula K. Y. Harierah	Characterization and phenotypic profiling of T cell subsets residing within the vaginal mucosa of <i>Candida albicans</i> -infected mice	August, 2004
Muhammad Ata	Efficiency of Biodegradation of 2,4- Dichlorophenol by <i>Pseudomonas</i> spp.	May, 2005.

## 3. Member of Examination Committee:

Student Name	Thesis Title	University
Yousof M. Abu-Zeitoun	Ecological and Physiological Studies on Symbiotic Nitrogen- Fixing Microorganisms in Non-Leguminous Plants	JUST
Salam Nizar El-Labadi	Intestinal Digenetic Trematodes of Some Marine Fishes From The Gulf of Aqaba	Hashemite University
Noureddine M. Boulenouar	Effect of Temperature, pH and Na Concentration on Glucose 6-phosphate Dehydrogenase and 6- Phosphogluconate Dehydrogenase Activities of Thermotolerant Bacillus Strains Isolated from Hot Springs	Hashemite University
Shatha Ahmad Nazzal	Virulence Factors and Antifungal Susceptibility Testing of <i>Candida albicans</i> Isolated from Respiratory Tract	Jordan University
Mahmoud Juma Morad	Potential Role of Cyclic Adenosine Monophosphate Signaling Pathway in Fluconazole Antifungal Resistance in the Opportunistic Pathogen <i>Candida glabrata</i>	University of Jordan (Ph.D.)
Raghda Baseem Q. Barham	A Study of Airborne Fungal Spores in the Atmosphere of Zarqa Area, Jordan	Hashemite University
Fatima Mohammad Sabra	Characterization and Purification of Lipase Enzyme Produced By <i>Bacillus</i> spp Isolated from Raw Petrol	Hashemite University
Wafaa Moufaq Abu-Taleb	Antimicrobial Activities of Different Crude Extracts of the White Wall Rocket <i>Diplotaxis erucoides</i>	Hashemite University
Mohammad Ibrahim Abu-Qamar	<i>In vitro</i> Antimicrobial Activity of Crude Extracts and their Liquid Fractions Obtained from Selected <i>Euphorbia</i> species in North Jordan	Yarmouk University
Rena Zeidan	Assesment of the Antioxidant and Antimicrobial Potentials of <i>Rubus sanguineus</i> Friv ( Rosaceae) Leaves and Fruits	University of

		<b>Jordan</b>
<b>Mohammad K. Abu Sini</b>	<b><i>In vitro</i> and <i>in vivo</i> Evaluation of Synthetic Triazoloquinolone Derivatives Against <i>Helicobacter pylori</i></b>	<b>University of Jordan (Ph.D.)</b>
<b>Suha Mujahed Abudoleh</b>	<b>Isolation of Anti-Quorum Sensing Materials from Wild Plants Berries Originating Epiphytic Bacteria</b>	<b>University of Jordan (Ph.D.)</b>
<b>Heba A. Majdalawi</b>	<b>Screening For Toluene-Degrading Bacteria from Different Polluted Sites in Northern Jordan</b>	<b>Al-al Bayt University</b>
<b>Afra M. Al-Shawk</b>	<b>Understanding Bacterial Pathogenicity: Would Iron Overload in Patients with Hematological Disorders Increase the Risk of Infections and/or Aggravate Ongoing Infections</b>	<b>University of Jordan</b>
<b>Raghdaa Kamal Fayad</b>	<b>Dynamics ( Seasonal and Intra-diurnal) of Airborne Fungal Spore Population of Doha Area, Qatar</b>	<b>Qatar University</b>
<b>Halema F. Remawi</b>	<b>Isolation of <i>Bacillus</i> sp. from Different Locations of Jordan and Screening for L-asparaginase and Protease with Stress on Characterization of Protease Activity.</b>	<b>University of Jordan</b>
<b>Alaa J. Al-Radaideh</b>	<b>Intestinal Carriage of <i>Clostridium perfringens</i> Genotypes among Infants and their Antimicrobial Resistance</b>	<b>University of Jordan</b>
<b>Alayna' al-marddyah A. Al-Khawalde</b>	<b>Effect of Omeprazole on Human Sperm Motility, Viability and DNA Oxidation</b>	<b>JUST</b>
<b>Shefa' Muneer Aljabali</b>	<b>Seminal Levels of Vitamin B6 in Asthenozoospermic Patients</b>	<b>JUST</b>
<b>Haya Rashed Abdullah</b>	<b>Carbapenem Resistance Patterns of <i>Pseudomonas aeruginosa</i> in Jordan and Their Underlying Genetic Mechanisms</b>	<b>University of Jordan</b>
<b>Othman A. Alsharafat</b>	<b>Butanol Production by <i>Clostridium acetobutylicum</i> Grown on Yeast Industry Wastewater</b>	<b>Hashemite University</b>
<b>Wafa' F. Abu-Sara</b>	<b><math>\beta</math>- Glucosidase Enzyme Production in Solid State Fermentation using Olive Mill Pomace ( OMP) and Yeast Industry Wastewater</b>	<b>Hashemite University</b>
<b>Raneem A. Abu-Saif</b>	<b>Molecular Screening of <i>Simkania negevensis</i> in Clinical Samples Taken from Jordanian Population</b>	<b>University of Jordan</b>

### Teaching Philosophy

•My 29-years-old educational philosophy is founded on three components; 1) teaching aims to changing the learner's mind-set and behavior by applying, critical thinking, and linking the acquired information/skills together in order to make novel solutions for problems facing them in their career, to cope with the future requirements; 2) Students must be actively engaged in their learning process, and needs; 3) I believe that asking questions, giving examples, discussion and sharing knowledge and experiences among/ with students are effective tools for generating learner's curiosity, self-learning and retention of knowledge.

•I think "teaching" is basically a talent, which should be refined and developed by experience, feedback and education. I consider myself talented in teaching. Learning in an enjoyable atmosphere makes transfer of information much easier.

## 5- Administrative Positions

**A- Chairman, Department of Medical Laboratory Sciences, Faculty of Allied Health Sciences, Al-Zaytoonah Private University, 1994-1996, and Department of Biology and Biotechnology, Hashemite University, 2001- 2005 .**

**Duties:** Chairing Department council, preparation of study plans for graduate and undergraduate students of the Department, preparation and submission of Departments needs equipment and chemicals according to budget, coordinating Department seminars and examination committees of M.Sc. theses, representing the Department in the Faculty council, teaching relevant courses for graduate and undergraduate students, supervision of M.Sc. theses lab work, implementing and supervising all Departmental committees.

**B- Vice Dean of the Faculty of Science, Hashemite University, 2005-2006.**

**Duties:** Chairing the Faculty council in the absence of the Faculty Dean, counseling with the faculty Heads of Departments, representing Faculty in certain University- level committees, processing staff applications for academic promotions, reviewing records of staff engaged with the teaching of labs, teaching and research at the Department of Biological Sciences.

**C- Dean of the Faculty of Science, Hashemite University, 2006- 2008**

**Duties:** Chairing the Faculty council, membership of University Council, membership of several committee at University level such as Research and Graduate Studies, Curriculum committee, Academic Quality Assurance Center, Submission of self evaluation reports concerning Faculty performance, consultations regarding criteria for staff recruitment, annual evaluation of Faculty, providing an annual orientation program for new staff and students, participation in local official events or cultural and educational activities , and participation in the Faculty seminars.

**D- Dean of the Scientific Research and Graduate Studies, The Hashemite University, 2014- 2015.**

**E- Member, Committee of Scientific Research Support Fund, Ministry of Higher Education and Scientific Research, 2013-2015**

**F- Member, of many accreditation committees for governmental and private universities, Higher Education Accreditation Commission of Academic Institutions (HEAC), Jordan, 2013-2015.**

## **6- Committees Membership at Hashemite University**

### **A: At The University Level:**

- Member, Center of Academic Quality Assurance Council, 2004-2006.
- Chairman, Health and Food Quality Assurance committee, 2004-2006.
- Member, Graduate Student Committee, 2005-2008.
- Member, Medical Insurance Committee, 2005- 2008.
- Member, Dean's Council, 2006- 2008.
- Member, University Council, 2006- 2008.
- Member, University Scientific Research Support Committee, 2006- 2008.

### **C- At The Faculty Level:**

- Member, Faculty of Science and Arts Council, representing Department of Biological Sciences, 1999-2005.
- Member, Faculty Library Committee, 1999-2003.
- Member, Credit Transfer Committee, 1999-2000
- Member, Faculty Council as a Head of Biological Sciences Department, 2001-2005.
- Member, Faculty Research Committee, 2001-2008.

### **D- At The Department Level:**

- Member, examination and schedule committee, Dept. of Biological Sciences, 1998-2008.
- Member, curriculum committee, Dept. of Biological Sciences, 1998-2005.
- Member, Library committee, Dept. of Biological Sciences, 1998-2002.

## **7- Professional Affiliations**

- a- Member of The Society for General Microbiology, U.K.1988-1992
- b- Member of the Institute of Biology (M.I.Biol), U.K.1988-1992
- c- Fellow of the Royal Microscopical Society U.K. 1988
- d- Member of the Kuwait Environmental Protection Society, 1983-1988.
- e- Member of the Jordanian Society for Biological Sciences, 1993-present.

## **8- Current Research & Area of Interest**

Medical and pharmaceutical microbiology with particular interest in:

- 1- Various aspects related to the mechanism of pathogenicity of *Candida albicans* and other yeasts.
- 2- Mode of action of anti-microbial agents, especially growth and Physiology.



- 3- Biochemistry of microbial lipids and sterols.
- 4- Detection and determination of Dermatophytes.
- 5- Keratinophilic fungi from various sources.

#### **9- Research Projects Granted:**

- 1- *Candida albicans* Strain Differentiation in Relation to Pathogenicity Determinants: Proteinase production and Adherence. Hashemite University Deanship for Scientific Research. [**Principle Investigator**] (Total fund awarded: 1045 JD)
- 2- Murine Athymic Radiation Chimeras: Delineating the Role of Thymus-Derived T Lymphocytes in Protection against Localized Infections. Hashemite University Deanship for Scientific Research. [**Co-investigator**] (Total fund awarded: 11,000 JD).
- 3- Zinc, Copper, and Selenium Serum Levels in Pregnant Jordanian Women.[**Principle Investigator**] (Total fund awarded: 5.000 JD)
- 4- The prevalence of *Helicobacter pylori* infection in Jordanian patients suffering from gastro-duodenal disorders. Hashemite University Deanship for Scientific Research. [**Principle Investigator**] (Total fund awarded: 3930 JD)
- 5- Synthesis and bioassay of some 2-Ferrocenyl-5-fluoro-6-(4-substituted-1-piperazinyl)-1H- Benzimidazoles. Hashemite University Deanship for Scientific Research. [**Co-investigator**] (Total fund awarded: 8000 JD)
- 6- Evaluation of bacteriospermia, antisperm antibodies and semen biochemical changes as contributing factors to asthenospermia in subfertile males. Hashemite University Deanship for Scientific Research. [**Co-investigator**]. (Total fund awarded: 4830 JD)
- 7- The Immunologic Relevance of Vaginal T Lymphocytes in Experimental Vaginal Candidosis in the Murine System. Hashemite University Deanship for Scientific Research. [**Co-investigator**] (Total fund awarded: 6560 JD).
- 8- Influence of Various Ultraviolet Light Intensities on *Candida albicans* Colonization and Virulence Factors. Hashemite University Deanship for Scientific Research. [**Principle investigator**]. (Total fund awarded: 2275 JD).
- 9- Susceptibility of Clinically Important *Candida* Isolates to Conventional and Novel Antifungal Agents. Hashemite University Deanship for Scientific Research. [**Principle investigator**]. (Total fund awarded: 960 JD).
- 10- Biodegradation of Chlorophenol Compounds Originating from Pharmaceutical and Healthcare Industries. **Shoman Foundation for Scientific Research** [**Co-investidator**] (Total fund awarded 8000 JD).

- 11- Areomycology in Zarqa area. Hashemite University Deanship for Scientific Research. [**Co-investigator**] (Total fund awarded: 11,000 JD).
- 12- Evaluation of Vaginal Douching on the Microflora of Estrogen-Dependent Vaginal Candidiasis Murine Model. Hashemite University Deanship for Scientific Research. [**Principle investigator**]. (Total fund awarded: 2420 JD).
- 13- Virulence Factors Contributing to Pathogenicity of *Candida* species and Its Antifungal Susceptibility Profile. **Research and Graduated Studies, University of Sharjah, [Principle investigator]**. ( Total fund: 40,000 Dirhams) (**Under Evaluation**).

#### 10- Editorial Board Member

- **Editor in Chief**- Jordan Journal of Biological Sciences (ISSN-1995-6673). An International Peer-Reviewed Research Journal funded by the Scientific Research Support, Ministry of Higher Education and Scientific Research- Jordan, and published by Deanship of Scientific Research, Hashemite University (2011-2015, 2017- March,2020).
- Member of the Editorial board: Saudi Journal of Biological Sciences (ISSN- 1319-562X).
- Member of the Editorial board: International Journal of Current Science (ISSN-2250-1770).
- **Editor in Chief**: Jordan Journal of Natural History (ISSN- 2307-7565, The Royal Society for the Conservation of Nature, Conservation Monitoring Center, Jordan (2020- Till now).

#### 11- Computer Literacy

I have been a regular user of personal computers for research and teaching and have good working knowledge of many software programmes including Microsoft Word, Excel, power point, multimedia applications, Internet, Blackboard, Web CT etc.

#### 12-References

- Professor Fawaz Al-Zebon  
The Hashemite University President, Zarqa, Jordan
- Professor AbdelRahim Hinitti-  
Department of Biology,  
The University of Jordan, Amman, Jordan
- Professor Shatywy Abdallah  
Department of Biology,  
The University of Jordan, Amman, Jordan
- Professor Ali Z. Karmi  
Department of Biology and Biotechnology,  
Vice President, Hashemite University, Zarqa, Jordan

### 13-Publications

Published about 58 peer reviewed papers, 3 review articles, 10 books, and 19 local and international conference proceedings (Scopus Author ID: 6603913576; h-index= 20, i10 index=37, Research Gate score= 27.40 with total citation more than 1110 ).

<https://scholar.google.ae/citations?user=MpNA06cAAAAJ&hl=en>

[https://www.researchgate.net/profile/Khaled\\_Abu-Elteen](https://www.researchgate.net/profile/Khaled_Abu-Elteen)

<https://www.scopus.com/authid/detail.uri?authorID=6603913576>

<http://orcid.org/0000-0002-6149-5938>

#### **I - Articles**

- 1- Ghannoum, M.A., Burns, G. and **Abu-Elteen, K. H.** 1985. Growth of *Candida albicans* in dexamethasone-supplemented media. Sabouraudia 23:313-315.  
<https://www.ncbi.nlm.nih.gov/pubmed/3901332>
- 2- Ghannoum, M.A. Burns, G., **Abu-Elteen, K. H.** and Radwan, S.S. 1986. Experimental evidence for the role of lipids in adherence of *Candida* spp. to human buccal epithelial cells. Infection and Immunity 54:189-193.  
<http://iai.asm.org/content/54/1/189.full.pdf+html>
- 3- Ghannoum, M.A. and **Abu-Elteen, K. H.** 1986. Correlative relationship between proteinase production adherence and pathogenicity of various strains of *Candida albicans*. Journal of Medical and Veterinary Mycology 24:407-413.  
DOI: <https://doi.org/10.1080/02681218680000621>
- 4- Ghannoum, M.A. and **Abu-Elteen, K. H.** 1987. Effect of growth of *Candida* spp. in the presence of various glucocorticoids on the adherence to human buccal epithelial cells. Mycopathologia 98:171-178.  
<http://link.springer.com/article/10.1007/BF00437652>
- 5- Ghannoum, M.A., **Abu-Elteen, K. H.** and Radwan, S.S. 1987. Blocking the adherence of *Candida albicans* to buccal cells by yeast and mycelial glycolipids and total lipids from the epithelial cells. Mykosen 30:371-378.  
<http://onlinelibrary.wiley.com/doi/10.1111/j.1439-0507.1987.tb03631.x/abstract>
- 6- Al -Hassan , R.H., Ghannoum , M.A. Sallal, A-K, **Abu-Elteen, K. H.** and Radwan, S.S. 1987. Correlative changes of growth, pigmentation and lipid composition of *Dunaliella salina* in response to halostress. Journal of General Microbiology 133:2607-2616.

<http://mic.microbiologyresearch.org/content/journal/micro/10.1099/00221287-133-9-2607>

- 7- Ghannoum, M.A., **Abu-Elteen, K. H.** and Motawy, M.S. 1988. Effect of antineoplastic agents and X-irradiation on the adherence of *Candida* spp. to human buccal epithelial cells. *Mycopathologia* 104:171 -180.  
<https://link.springer.com/article/10.1007/BF00437652>
- 8- Ghannoum, M.A., Motawy, M.S., Abu-Hatab, M.A., **Abu-Elteen, K. H.** and Criddle, R.S. 1989. Interactive effects of antifungal and antineoplastic agents on yeasts commonly prevalent in cancer patients. *Antimicrobial Agents and Chemotherapy* 33:726-730.  
<http://aac.asm.org/content/33/5/726.abstract>
- 9- Ghannoum, M.A., **Abu-Elteen, K. H.** and El-Rayyes, N.R. 1989. Antimicrobial activity of some 2-aminopyrimidines. *Microbios* 60: 23-33.  
<http://europepmc.org/abstract/med/2691862>
- 10- Sallal, A-K-J, **Abu-Elteen, K. H.** and Jafri, A.M. 1989. Enumeration of *Pseudomonas* species and *Pseudomonas aeruginosa* bacteriophages in domestic sewage. *Microbios* 60:35-43.
- 11- Mulder, J.L., Ghannoum, M.A., Khamis, L. and **Abu-Elteen, K. H.** ,1989. Growth and lipid composition of some dematiaceous hyphomycetes fungi grown at different salinities. *Journal of General Microbiology* 135:3393-3404.  
<http://mic.microbiologyresearch.org/content/journal/micro/10.1099/00221287-135-12-3393>
- 12- **Abu-Elteen, K. H.**, Ghannoum, M. and Stretton, R.J.1989. Effects of sub-inhibitory concentrations of antifungal agents on adherence of *Candida* spp. to buccal epithelial cell *in Vitro*. *Mycoses* 32:551-562.  
<http://onlinelibrary.wiley.com/doi/10.1111/myc.1989.32.issue-11/issuetoc>
- 13- Ghannoum, M.A., **Abu- Elteen , K. H.**, Motawy, M., Hatab, M., Ibrahim, A. and Criddle, R.1990. Combinations of antifungal and antineoplastic drugs with interactive effects on inhibition of yeast growth. *Chemotherapy* 36 (4): 308-320.  
<https://www.karger.com/Article/Pdf/238782>
- 14- Ghannoum M.A., **Abu-Elteen, K. H.** , Ellabib, M. and Whittaker, P.A. 1990. Antimycotic effects of octenidine and pirtenidine. *The Journal of Antimicrobial Chemotherapy* 25:237-245.  
<https://doi.org/10.1093/jac/25.2.237>
- 15- Ghannoum, M.A., **Abu-Elteen, K. H.**, Stretton, R.J. and Whittaker , P.A. 1990. Effects of octenidine and pirtenidine on adhesion of *Candida* spp. to human buccal epithelial cells *in Vitro*. *Archives of Oral Biology* 35:249-253.

[http://www.aobjournal.com/article/0003-9969\(90\)90039-D/pdf](http://www.aobjournal.com/article/0003-9969(90)90039-D/pdf)

- 16- Ghannoum, M.A. and **Abu-Elteen, K. H.** 1990. Pathogenicity determinants of *Candida*. A Review. Mycoses 33 (6): 265-282.

[http://onlinelibrary.wiley.com/journal/10.1111/\(ISSN\)1439-0507/issues](http://onlinelibrary.wiley.com/journal/10.1111/(ISSN)1439-0507/issues)

- 17- Ghannoum, M.A., **Abu-Elteen, K. H.**, Ibrahim,A. and Stretton, R. 1991. Protection against *Candida albicans* gastrointestinal colonization and dissemination by saccharides in experimental animals. Microbios 67:95-105.

<http://ci.nii.ac.jp/naid/10011480802>

- 18- Ghannoum, M.A. Moussa, N.M. Whittaker. P.A. Swairjo, I. and **Abu-Elteen, K. H.** 1992. Sub-inhibitory concentration of octenidine and pirtenidine: Influence on the lipid and sterol contents of *Candida albicans*. Chemotherapy 38:46-56.

<https://cwru.pure.elsevier.com/en/publications/subinhibitory-concentration-of-octenidine-and-pirtenidine-influen-2>

- 19- **Abu-Elteen, K. H.** and Abderrahman, S.M. 1995. Microbial contamination of pharmaceutical products used at homes in Amman-Jordan. Zagazig Journal of Pharmaceutical Sciences 4:116-120.

<http://www.zupharm.zu.edu.eg/index.php/zupharm/search/authors>

- 20- Sallal, A-K.,J., **Abu-Elteen, K. H.** and Abderrahman, S. 1996. Effects of date extract on growth and Morphology of *Candida albicans*. Biomedical letters 53:179-184.

- 21- **Abu-Elteen, K. H.**, Abdul-Malek, A.M. and Abdul-Wahid, N.A. 1997. Prevalence and susceptibility of vaginal yeasts isolates in Jordan. Mycoses 40: 179-185.

<http://onlinelibrary.wiley.com/doi/10.1111/j.1439-0507.1997.tb00211.x/abstract>

- 22- **Abu-Elteen, K. H.** Abderrhaman, S.M. and Sallal, A-K., J, 1997 Isolation of *Candida* spp. from a domestic sewage in Jordan. Cytobios 90:41-45.

- 23- **Abu-Elteen, K. H.** 1997. Gastrointestinal distribution of *Candida albicans* in orally infected mice: SEM studies. Biomedical Letters 56: 159-170.

- 24- **Abu-Elteen, K. H.** and Whittaker, P.A. 1998. Effects of chlorhexidine on the lipid and sterol composition of *Candida albicans*. Mycopathologia 140: 69-76.

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## II. Chapters in Books:

- 1- Ghannoum, M.A. and **Abu-Elteen, K.** 1991. Adherence of *Candida albicans*: Influencing factors and mechanism(s). In ***Candida albicans: Cellular and Molecular Biology***, Prasad, R., Ed., ISBN 978-3-319-50409-4, Springer Verlag. Berlin-Heidelberg, page: 144-163.

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- 2- K. Abu Elteen and **M. Hamad.** 2005. Antifungal Compounds, (Chapter 8; pages: 191-217) in: *Fungi: Biology and Applications*, Kevin Kavanagh, Ed; *Wiley, New York, USA & London, UK.* ISBN: 0470867019. *Wiley* (1,536 print sales paper-back and 226 hardback copies sold within 3 years of publication).

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- 3- K. Abu Elteen and **M. Hamad.** 2006. Determination of the Virulence Factors of *Candida Albicans* and Related Yeast Species, (Chapter 4) in: *Medical Mycology: Cellular and Molecular Techniques*, Kevin Kavanagh, Ed; *Wiley, New York, USA & London, UK.* ISBN: 0-470-01923-9. *Wiley* (This book sold 562 copies within the first year of publication).

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- 4- Abu Elteen, K and **M. Hamad.** 2007. Novel Antifungal Therapies (Chapter 4; pages 69-98) in: *New Insights in Medical Mycology*, Kevin Kavanagh, Ed. *Springer Science & Business Media.* ISBN 978-1-4020-6396-1 (HB); ISBN 978-1-4020-6397-8 (e-book). *Springer Science* (This book sold 89 copies within the first two months of publication).

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- 5- **Hamad. M,** K. Abu Elteen. 2010. Antifungal Immunotherapy: A reality check (Chapter 1; pp 1-76) in: *Immunotherapy: Activation, Suppression and Treatments.* Blake C. Facinelli, Ed. *Nova Science Publishers, Inc. Hauppauge, New York.* ISBN: 978-1-61668-585-0.

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- 8- **K. Abu Elteen** and M. Hamad. 2011. Antifungal Compounds for Use in Human Therapy, (Chapter 11) in: *Fungi: Biology and Applications* 2<sup>nd</sup> Ed., Kevin Kavanagh, Ed; *Wiley, New York, USA & London, UK.* *Wiley.*

ISBN 0-470-86701-9 (HB) 0-470-86702-7 (PB) (This book sold 844;  
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- 10- **K. Abu Elteen** and M. Hamad. 2018. Antifungal Compounds for Use in Human Therapy, (Chapter 12) in: Fungi: Biology and Applications 3<sup>rd</sup> Ed., Kevin Kavanagh, Ed; Wiley, New York, USA & London, UK.

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ابراهيم الطيف و خالد محمد القيسي- دار الفرقان للنشر و التوزيع.

### III- Conferences: Local and International

- 1- Ghannoum, M.A. and **Abu-Elteen, K.** 1987. Effects of growth of *Candida* spp. in the presence of various glucocorticoids on the adherence to human buccal epithelial cells. Third Kuwait International Medical Sciences Conference "Infectious Diseases in Developing Countries", 15 -19 March. Kuwait .
- 2- Jafri, A.M. **Abu-Elteen, K.** and Sharif, H. 1987. Tomato fern leaf mosaic virus affecting tomato crop in Kuwait . American Phytopathological Society Annual Meeting. August 1987, Cincinnati, Ohio , U.S.A (Phytopathological , 77:1722) .
- 3- Jafri, A.M. Sharif, H. and **Abu-Elteen, K.** 1987 . Occurrence of water melon mosaic virus in Kuwait . American Phytopathological Society Annual Meeting August 1987 . Cincinnati , Ohio . U.S.A (Phytopathology , 77:1722).
- 4- Ghannoum, M.A. **Abu-Elteen, K.** and Motawy, M.S. 1988. The role of Cancer chemotherapy and x-irradiation on the adherence of *Candida* spp. to human buccal epithelial cells, X Congress of the International Society for Human and Animal Mycology , June 27 to July 1, 1988, Barcelona, Spain .
- 5- **Abu-Elteen, K.** Ghannoum, M., Stretton , R.J. 1989. Effects of subinhibitory concentrations of antifungal agents on *in Vitro* adherence of *Candida* spp. to buccal epithelial cells. FEMS-Symposium on *Candida* and Candidamycosis, 24-28 April, Alanya, Turkey.
- 6- Ghannoum, M.A., **Abu-Elteen, K.**, Stretton, R.J. and Whittaker, P.A. 1990. The influence of octenidine and pirlitenidine on *Candida* adherence

- to epithelial cells. Poster No. B13. Second Conference on *Candida* and Candidiasis: Biology, Pathogenesis and Management Philadelphial, Pennsylvania, 1-4 April 1990.
- 7- **Abu-Elteen, K. H.** and Whittaker, P.A. (1994). Effects of octenidine and pertinidine on growth, morphology and adherence of *Candida* spp. to buccal epithelial cells *in Vitro* . The First Scientific Day of Pathology-Farah Royl Jordanian Rehabilitation Center - King Hussein Medical Center - June 2<sup>nd</sup> 1994.
  - 8- **Abu-Elteen, K. H.** and Whittaker,P.A.(1995). Effects of subinhibitory concentration of chlorhexidne on lipid and sterol composition of *Candida albicans*. International Conference of Pharmaceutical Sciences and Technology, University of Alexandria, Egypt. 22-25 March 1995.
  - 9- **Abu-Elteen, K. H.** Abdul-Malek, A.M. and Abdul-Wahid, N.A. (1995). Prevalence and susceptibility of vaginal yeasts isolates in Jordan. The 3<sup>rd</sup> Obstetrics and Gynaecology Congress, Amman- Jordan, April 19-21, 1995.
  - 10- **Abu-Elteen, K. H.** (1997). Skin mycoses in the district of Zarqa- Jordan. The 8<sup>th</sup> Arab Conference of Clinical Biology and the 1<sup>st</sup> Jordanian Conference of Medical Laboratory Sciences, Amman, Jordan, 28 April-1 May 1997 .
  - 11- **Abu-Elteen, K. H.** and Abdul Malek, M.(1999). Prevalence of dermatomycoses in Zarqa district –Jordan. The 1<sup>st</sup> Conference in Medical and Biological Sciences, Zarka Private University, Zarka, Jordan, 24-25 April, 1999.
  - 12- **Abu-Elteen, K. H** (2001). *Candida albicans* strain differentiation in complete denture wearers. The 2<sup>nd</sup> Conference in Medical and Biological Sciences, Zarka Private University, Zarka, Jordan, 24-25 April, 2001.
  - 13- Hamad, M. , **Abu-Elteen, K. H.**, and Ghaleb, M. (2001).Persistence of colonization and suppression of DTH responses in an estrogen-dependent vaginal candidosis murine model. 39<sup>th</sup> Annual Meeting of the Infectious Diseases Society of America, October 25-28, 2001, San Francisco, California, USA. Abs. # 627.
  - 14- **Abu-Elteen, K. H.**, Hamad, M., Abdul Wahid, N.A., and Ghaleb, M. (2001). Increased incidence of vulvovaginal Candidosis caused by *Candida glabrata*.The 7<sup>th</sup> Congress of the European Confederation of Medical Mycology (ECMM). Rhodes-Greece, June 16-19, 2001. Mycoses 44, (Suppl. 1), p3
  - 15- Harairi R, M. Hamad and **K. H. Abu-Elteen.** 2004. Vaginal candidosis induces a systemic acute phase reactant protein-dependent iron-restrictive environment that limits dissemination of the infection. *12th International Congress of Immunology and the 4th Annual Conference of the Federation of Clinical Immunology Societies (FOCIS)*; July 18-23, 2004; Montréal,

Canada. Publication Number: T47.25, Clinical Investigative Medicine Journal.

- 16- **Abu-Elteen, K.H.**, Al-Abeid, H.M., Elkarmi, A.Z. and Hamad, M.A. (2004). Oral Candidal Populations in Jordanian Cancer Patients: Prevalence, Pathogenic Determinants and Antifungal Sensitivity. 10<sup>th</sup> Congress of the European Confederation of Medical Mycology, June 17- June 20, 2004, Wroclaw, Poland.
- 17- **Abu-Elteen, K. H.**, Hamad, M.A. and Kavanagh, K. (2007). Epsilometer Test- Based Determination of Suceptibility of Clinically Important *Candida* Isolates to Conventional Antifungal Agents. The 5<sup>th</sup> Arab Conference for Antimicrobial Agents, 18-20 October,2007,Amman,Jordan.
- 18- **Abu-Elteen, K. H.**, Abdel-Jalil, R., Hamad, M.A., Ghaleb, M., Khan, K.M. and Voelter, W. (2008). Fungicidal effects of some derivatives of 2-ferrocenyl benzimidazoles: a possible template for antifungal drug design. The 6<sup>th</sup> Arab Conference for Antimicrobial Agents, 16-18 October,2008, Rabat, Morocco.
- 19- **Abu-Elteen, K. H.**, Hamad, M., (2010). Utility of the estrogen- dependent vaginal candidosis murine model in evaluating the efficacy of various therapies against vaginal *C. albicans* infection. The 7<sup>th</sup> Arab Conference for Antimicrobial Agents, 16-18 October,2010, Beirut, Lebanon.

#### **14- Special Training Courses**

- 1- **“Radiation Protection Course”** held at Kuwait University, February 6-10, 1982 .
- 2- **Isolation and Identification of Bacteria”** held at Department of Botany and Microbiology, Kuwait University , January 5-19, 1986 (Course organizer Dr. M.A. Ghannoum) .
- 3- **“Genetic Manipulation of Yeast”** held at Kuwait University , March 7-15, 1987 (Course organizer Prof. P.A. Whittaker, National University , Maynooth, Ireland).
- 4- **“The Isolation and Characterization of Hydrocarbon Degrading Microorganisms”** held at Kuwait University. November 21 to December 2, 1987. (Course organizer Dr. K.J. Seal Carnfield Institute of Biotechnology, U.K.).
- 5- Attendance of the workshop on the **“Building Internet-Based Multimedia Applications for Training and Education”** held in Hashemite University, Jordan, for the period 8-12 September,2002, sponsored by UNESCO and UNDP. Training topic: Information technology workshop designed to enhance the skills of development courses on the internet and computer based courses.

## 15- Contribution To The Local Society and Other Activities

- A - In November, 1996, I have participated on the organizing committee of the **First Modern Techniques in Paint Industry Symposium** which was held at Al-Zaytoonah University in Co-operation with Al-Khomasia Consultant Group.
- B- For my outstanding achievements in science, I have been selected for inclusion in the 14<sup>th</sup> edition of **Marquis Who's who in the world**, published in December, 1996.
- C- Since 1993, when I joined Al-Zaytoonah Private University, I was involved in the following:
  - 1- Design the Medical Technology Curriculum in Arabic and English .
  - 2- Design short course description of that curriculum in Arabic and English .
  - 3- Design and supervise the building of six laboratories in Microbiology , Haematology , Clinical chemistry , History , Physiology , and Anatomy.
- D- I have been responsible for ordering the equipments, chemicals glassware and others for the above mentioned laboratories to meet the requirements of Ministry of Higher Education in the Medical Technology.
- E- Participated as Instructor in course titled "Characterization and analysis of biological parameters for drinking water" 17-28 September, 2000, sponsored by University of Washington and Water Research Center of University of Jordan.
- F- Participated as Instructor in course titled "Quality Assurance, Quality Control and Laboratory Certification" 8-19 October, 2000, sponsored by University of Washington and Water Research Center of University of Jordan.
- G- **SCOPUS (Elsevier) Award in Recognition for Contribution to Sciences**, of the most active author at the Jordanian Universities, March 2009, under the patronage of H.H. Princes Sumaya Bint ElHassan.