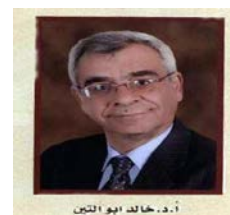


CURRICULUM VITAE



Khaled Hussein Ahmad Abu-Elteen

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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, Loughborough University, UK.

3- Academic Employment

POSTION	DEPARTMENT	EMPLOYER	DATE
Professor	Biology and Biotechnology	The Hashemite University- Jordan	2009-
Professor	Medical Technology	Zarqa Private University [Sabbatical]	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

4- Courses Taught

Kuwait University- Department of Botany & Microbiology	
UG= Undergraduate, MS= Master	
Course	Level
Microbial World lab	UG
Microtechnique and Microscopy	UG
Fermentation lab	UG
Industrial Microbiology lab	UG
Microbial Physiology lab	UG
Medical Microbiology lab	UG
Al-Zaytoonah Private University- Department of Medical Technology	
General Biology I	UG
General Biology lab	UG
General Biology II	UG
General Microbiology	UG
Clinical Microbiology	UG
Community Health	UG
Food Microbiology	UG
Diagnostic Microbiology	UG
Research & Seminar	UG
The Hashemite University-Department of Biological Sciences	
General Biology –1	UG
General Biology Practical –1	UG
General Biology Practical – 2	UG
Microtechnique	UG
General Microbiology	UG
Diagnostic Microbiology	UG
Mycology	UG
Research for B.Sc. Students	UG
Food Microbiology	UG
Research Methods	MS
Medical Mycology	MS
Microbial Pathogenesis	MS
Advance Diagnostic Microbiology	MS
Zarqa Private University-Department of Medical Technology	
General Microbiology	UG
Quality Control	UG
Diagnostic Mycology	UG
Medical Virology	UG
Diagnostic Microbiology	UG
General Pathology	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 of 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	

3. 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.

4. 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	Jordan University of Science and

		Technology
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 Bacillus spp Isolated from Raw Petrol	Hashemite University
Wafaa Moufaq Abu-Taleb	Antimicrobial Activities of Different Crude Extracts of the White Wall Rocket <i>Diploaxis 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	Assesemt of the Antioxidant and Antimicrobial Potentials of <i>Rubus sanguineus</i> Friv (Rosaceae) Leaves and Fruits	University of Jordan
Mohammad K. Abu Sini	<i>In vitro</i> and <i>in vivo</i> Evaluation of Synthetic Triazoloquinolone Derivatives Against <i>Helicobacter pylori</i>	University of Jordan (Ph.D.)
Suha Mujahed Abudoleh	Isolation of Anti-Quorum Sensing Materials from Wild Plants Berries Originating Epiphytic Bacteria	University of Jordan (Ph.D.)

5- Prepared Laboratory Manuals

A- Laboratory Manuals prepared and taught at the Department of Botany and Microbiology, Kuwait University:

- 1- Ghannoum, M.A. and Abu-Elteen, K.H. (1988). Laboratory Manual for Micro-technique and Microscopy (Course 107), Kuwait University Press. 1988.
- 2- Ghannoum, M.A. and Abu-Elteen, K.H. (1987). Practical Manual for Industrial Microbiology (Course 344), Kuwait University Press. 1987.
- 3- Ghannoum, M.A. and Abu-Elteen, K.H. (1987). Practical Manual for Microbial Physiology (Course 471), Kuwait University Press, 1987.

6- Administrative Positions

A- Chairman, Department of Medical Technology, Faculty of Allied Health Sciences, Al-Zaytoonah Private University, 1994-1996, and Department of Biological Sciences, 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.

7- 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.

8- 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 .

9- 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.

10- 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).

11- Editorial Board Member

- **Chief Editor**- Jordan Journal of Biological Sciences- 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 Research and Graduate Studies, Hashemite University.
- International Journal of Pharmacology
- Journal of Medical Sciences
- Research Journal of Microbiology
- Research Journal of Medicinal Plant
- Research In Pharmaceutical Biotechnology
- International Journal of Current Science (ISSN-2250-1770)

12- 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, Web CT etc.

13-References

- Professor Hakam Al-Hadidi
Jordan University of Science and Technology,

Department of Pharmacology,
Irbid, Jordan

- Professor AbdelRahim Hinitti-
Department of Biology,
The University of Jordan, Amman, Jordan
- Professor Shatywy Abdallah
President, Tafela Applied University, Tafila, Jordan
- Professor Ali Z. Karmi
Department of Biology and Biotechnology,
Hashemite University, Zarqa, Jordan

14- Publications

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.
- 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.
<http://jmvm.oxfordjournals.org/content/24/5/407.abstract>
- 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.
- 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.
- 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.
- 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.
 - 9- Ghannoum, M.A., **Abu-Elteen, K. H.** and El-Rayyes, N.R. 1989 Antimicrobial activity of some 2-aminopyrimidines. Microbios 60: 23-33.
 - 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.
 - 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.
 - 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.
 - 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.
 - 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.
 - 16- Ghannoum, M.A. and **Abu-Elteen, K. H.** 1990. Pathogenicity determinants of *Candida*. A Review. Mycoses 33 (6): 265-282.
 - 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.
 - 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

- 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.
- 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.
- 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.
- 25- **Abu-Elteen, K. H.** and Abu-Alteen, R.M. 1998. The Prevalence of *Candida albicans* populations in the mouths of complete denture wearers. *Microbiologica* 21:41-48.
- 26- **Abu-Elteen, K. H.** and Abderrahman, S.M. 1998. Effect of aqueous extract of *Catha edulis* (Khat) on the adherence of *Candida* species to human buccal epithelial cells *in vitro*. *Alexandria Journal of Pharmaceutical Sciences* 12: 59-65.
- 27- Shraideh, Z.A., **Abu-Elteen, K. H.** and Sallal, A-K., J. 1998. Ultrastructural effects of date extract on *Candida albicans*. *Mycopathologia* 142: 119-123.
<http://link.springer.com/article/10.1023/A%3A1006901019786>
- 28- **Abu-Elteen, K. H.** 1999. Incidence and distribution of *Candida* species isolated from human skin in Jordan. *Mycoses* 42 (4): 311-317.
<http://onlinelibrary.wiley.com/doi/10.1046/j.1439-0507.1999.00465.x/abstract>
- 29- **Abu-Elteen, K. H.** and Abdul Malek, M. (1999) Prevalence of dermatophytoses in the Zarqa district of Jordan. *Mycopathologia* 145(3) : 137-142.
<http://link.springer.com/article/10.1023/A%3A1007009218316>

- 30- **Abu-Elteen, K. H.** (2000). Effects of date extract on adhesion of *Candida* species to human buccal epithelial cells *in vitro*. Journal of Oral Pathology and Medicine, 29: 200 - 205.
<http://onlinelibrary.wiley.com/doi/10.1034/j.1600-0714.2000.290502.x/abstract>
- 31- **Abu-Elteen, K. H.** (2000). *Candida albicans* strain differentiation in complete denture wearers. Microbiologica, 23: 329-337.
- 32- **Abu-Elteen, K. H.**, Awadallah, S.M. and ElKarmi, A.Z. (2000). Antibiotic resistance of bacteria isolates from urine specimens in Amman. Jordan Medical Journal, 34 (2): 118-123.
- 33- **Abu-Elteen, K. H.** (2001). Increased incidence of vulvovaginal candidiasis caused by *Candida glabrata* in Jordan. Japanese Journal of Infectious Diseases, 54 (3): 103-107.
<http://www0.nih.go.jp/JJID/OA-23.html>
- 34- **Abu-Elteen, K. H.**, Elkarmi, A.Z. and Hamad, M. (2001). Characterization of phenotype- based pathogenic determinants of various *Candida albicans* strains in Jordan. Japanese Journal of Infectious Diseases, 54: 229-236.
http://scholar.google.com/citations?view_op=view_citation&hl=en&user=FFJ_htoAAAAJ&citation_for_view=FFJ_htoAAAAJ:d1gkVwhDp10C
- 35- Hamad, M., **Abu-Elteen, K. H.** and Ghaleb, M. (2002). Persistent colonization and transient suppression of DTH responses in an estrogen-dependent vaginal candidosis murine model. Microbiologica, 25 : 65-73.
- 36- Ghaleb, M.M., Hamad, M. and **Abu-Elteen, K. H.** (2003). Vaginal T lymphocyte population kinetics during experimental vaginal Candidosis : evidence for possible role of CD8⁺ T cells in protection against vaginal Candidosis. Clinical and Experimental Immunology, 131:26-33.
<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1808609/pdf/cei0131-0026.pdf>
- 37- Awadallah, S.M., **Abu-Elteen, K. H.**, Elkarmi, A.Z., Qaraein, S. H., Salem, N. M. and Mubarak, M.S. (2004). Maternal and Cord Blood Serum Levels of Zinc, Copper, and Iron in Healthy Pregnant Jordanian women. The Journal of Trace Elements in Experimental Medicine, 17, 1-8.
<https://eis.hu.edu.jo/deanshipfiles/pub101111015.pdf>
- 38- Hamad, M., **Abu-Elteen, K. H.**, and Ghaleb, M. (2004). Estrogen – dependent induction of persistent vaginal Candidosis in naïve mice. Mycoses: 47 (7): 304-309.

<http://onlinelibrary.wiley.com/doi/10.1111/j.1439-0507.2004.00994.x/abstract>

- 39- Al-Abeid, H., **Abu-Elteen, K. H.**, Elkarmi, A.Z. and Hamad, M. (2004). Isolation and Characterization of *Candida* spp. in Jordanian Cancer Patients: Prevalence, Pathogenic Determinants and Antifungal Sensitivity. *Japanese Journal of Infectious Diseases*: 57 (6):279-284.

<https://eis.hu.edu.jo/deanshipfiles/pub101111016.pdf>

- 40- Harairi R, Hamad, M. and **Abu-Elteen, K. H.** (2004). Vaginal candidosis induces a systemic acute phase reactant protein-dependent iron-restrictive environment that limits dissemination of the infection; (*Immunology* 2004).

- 41- Nazzal, D.S., Yasin, S. R. and **Abu-Elteen, K. H.** (2005). A Rapid PCR-Based Method for Identification of Four Important *Candida* species. *New Microbiologica* 28: 245-250.

- 42- **Abu-Elteen, K. H.** (2005). The Influence of Dietary Carbohydrates on *in vitro* Adherence of Four *Candida* species to Human Buccal Epithelial Cells. *Microbial Ecology in Health and Disease* 17: 156-162.

<http://www.microbecolhealthdis.net/index.php/mehd/article/view/7787>

- 43- Hamad, M., Muta'eb, E., Abu Shaqra, Q., Fraij, A., **Abu-Elteen, K. H.**, and Yasin, S.R. (2006). Utility of the estrogen- dependent vaginal candidosis murine model in evaluating the efficacy of various therapies against vaginal *C. albicans* infection. *Mycoses* 49: 104-108.

<http://onlinelibrary.wiley.com/doi/10.1111/j.1439-0507.2006.01200.x/abstract>

- 44- **Abu-Elteen, K. H.**, Hamad, M.A. and Salah, S.A. (2006). Prevalence of Oral *Candida* Infection in Diabetic Patients. *Bahrain Medical Bulletin*: 28: 12-17.

http://www.bahrainmedicalbulletin.com/march_2006/prevalence_of_oral_candida.pdf

- 45- Abu-Sini, M., **Abu-Elteen, K. H.** and Elkarmi, A.Z., Hamad, M.A. and Khuzaie, R.F.(2007). Influence of Various Ultraviolet Light Intensities on Pathogenic Determinants of *Candida albicans*. *Biotechnology*: 6 (2): 210-217.

<http://scialert.net/qredirect.php?doi=biotech.2007.210.217&linkid=pdf>

- 46- **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. Journal of Medical Sciences: 7(3): 374-382.

<http://scialert.net/qredirect.php?doi=jms.2007.374.382&linkid=pdf>

47- ElKarmi, A. Z., **Abu-Elteen, K. H.**, and Khader M. (2008). Modeling the biodegradation efficiency and growth of *Pseudomonas alcaligenes* utilizing 2, 4- dichlorophenol as a carbon source Pre- and Post-exposure to UV radiation. Jordan Journal of Biological Sciences, 1(1): 7-14.

48- ElKarmi, A. Z., **Abu-Elteen, K. H.**, and Al- Karmi, A. (2008). Disinfecting contaminated water with natural solar radiation utilizing a disinfection solar reactor in a semi-arid region. Jordan Journal of Biological Sciences, 1(2): 47-53.

49- Al-Sadeq, A., Hamad, M. and **Abu-Elteen, K. H.** (2008). Patterns of Expression of Vaginal T Cell Activation Markers During Estrogen- Maintained Vaginal Candidiasis. Allergy, Asthma and Clinical Immunology, 4 (4):157-163.

<http://www.aacijournal.com/content/pdf/1710-1492-4-4-157.pdf>

50- **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. Journal of Medical Sciences, 8(8) : 673-681.

<http://scialert.net/qredirect.php?doi=jms.2008.673.681&linkid=pdf>

51- Qudiesat, K., **Abu-Elteen, K. H.**, ElKarmi, A., Hamad, M. and Abussaud, M. (2009). Assessment of airborne pathogens in healthcare settings. African Journal of Microbiology Research, 3 (2): 66-76.

http://www.academicjournals.org/article/article1380178156_Qudiesat%20et%20al.pdf

52- Elkarmi, A.Z., **Abu-Elteen, K.H.**, Atta, A.A. and Abu-Sbitan, N.A. (2009). Biodegradation of 2, 4-Dichlorophenol Originating from Pharmaceutical Industries. African Journal of Biotechnology, 8 (11): 2558-2564.

http://www.academicjournals.org/article/article1379778024_Elkarmi%20et%20al.pdf

53- Hamad, M., El-Younis, E., Yasin, S.R. and Abu-Elteen, K. (2009). TCRV Clonotypic analysis of vaginal T lymphocytes during experimental vaginal candidiasis in the murine system. Experimental and Clinical Sciences (EXCLI), 8: 203-210.

http://www.excli.de/vol8/Hamad_08_2009/Hamad_130809_proof.pdf

54- Abusini, H., **Abu-Elteen, K.**, Elkarmi, A., Alenzi, F.Q. ,and Lotfy, M. (2009). Investigation of Helicobacter pylori infection

in Jordanian patients using six enzyme immunoassays for immunoglobulin G (IgG) and IgA testing. *Romanian Archives of Microbiology and Immunology*, 68(4): 240-245.

[http://www.roami.ro/files/online/Archives_4\(2009\).pdf](http://www.roami.ro/files/online/Archives_4(2009).pdf)

- 55- Abu-Dieyeh, M.H., Barham, R., **Abu-Elteen, K.**, Al-Rashidi, R., and Shaheen, I. (2010). Seasonal variation of fungal spore populations in the atmosphere of Zarqa area, Jordan. *Aerobiologia*, 26: 263-276.

<https://eis.hu.edu.jo/deanshipfiles/pub101111023.pdf>

- 56- K. Abu Elteen and **M. Hamad**. 2012. Changing Epidemiology of Classical and Emerging Human Fungal Pathogens: A Review. *Jordan Journal of Biological Science*, 5(4): 215-230.

<http://jjbs.hu.edu.jo/files/v5n4/Paper%20Number%201m.pdf>

II. Chapters in Books:

- 57- 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. Springer Verlag. Berlin-Heidelberg, page : 144-163.
- 58- 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* (1031 paper-back and 226 hardback copies sold within 2 years of publication).
- 59- 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).
- 60- 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).
- 61- **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. (In press). *Nova Science*

- 62- **Hamad M.** and K. Abu Elteen. 2011. Immunity and Immunotherapy of Human Fungal Infections. Nova Science Publishers, Inc. Hauppauge, NY. ISBN: 978-1-61728-976-7. A stand-alone hardcover. Nova Science
- 63- K. Abu Elteen and **M. Hamad.** 2011. Antifungal Compounds for Use in Human Therapy, (Chapter 11) in: Fungi: Biology and Applications 2nd Ed., Kevin Kavanagh, Ed; Wiley, New York, USA & London, UK. Wiley
- 64- الأمراض الفطرية و الصحة العامة (2006) خالد حسين أبوالتين و خليل ابراهيم
إلطيف 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 (Phytopathology , 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 Candidamycolosis, 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 pirtenidine on *Candida* adherence to epithelial cells. Poster No. B13. Second Conference on *Candida* and Candidiasis: Biology, Pathogenesis and Management Philadelphia, 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 2nd 1994.
- 8- **Abu-Elteen, K. H.** and Whittaker,P.A.(1995). Effects of subinhibitory concentration of chlorhexidine 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 3rd 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 8th Arab Conference of Clinical Biology and the 1st 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 1st 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 2nd 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. 39th 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 7th 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. 10th 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 5th 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 6th 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 7th Arab Conference for Antimicrobial Agents, 16-18 October,2010, Beirut, Lebanon.

15- 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.

16- 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 14th edition of **Marquis Who's who in the world**, published in December, 1996 .
- C- Since 1993, when I joint 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.

