

Azmi Mahafzah, M.D., Ph.D

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Personal

Nationality: Jordanian
Marital Status: Married with 3 Children

Current Position

- Director, Department of Laboratory Medicine, Jordan University Hospital
- Associate Professor of Microbiology and Immunology, Department of Pathology Microbiology and Forensic Medicine, Faculty of Medicine, University of Jordan
- Consultant Clinical Pathologist, Department of Laboratory Medicine
- Director of Infection Control Office, Jordan University Hospital, Amman Jordan.

Qualification and Training

- **MD.** University of Damascus – Syria , 1977
- **PhD.** Microbiology and Immunology, American University of Beirut, Beirut – Lebanon, 1984. Thesis Title” Immunoregulatory factors derived from the TA3HA cell line growing in vivo and in vitro”
- Rotational training in Clinical Pathology/Microbiology Oct. 1980 – Oct. 1984, AUB Medical Center, American University of Beirut, Beirut – Lebanon.
- Post Doctoral fellowship in Virology Sept. 1987 – Sept. 1988, Dept. of Laboratory Medicine and Virology Reference Laboratory. Yale University School of Medicine – New Haven, CT, and VA Medical Center – West Haven, CT, USA.
- Jordanian Board in Laboratory Medicine/Clinical Pathology-Microbiology, April 1989.

Academic and Professional Appointments

- Director, Department of Laboratory Medicine, Jordan University Hospital, August 1, 2008-present
- Director, Infection Control Office, Jordan University Hospital, Amman – Jordan, Oct. 2007 – Present
- Vice Dean for Faculty Affairs, Faculty of Medicine, University of Jordan, Amman – Jordan, Nov. 1998 – Sept. 2006
- Associate Professor in Microbiology and Immunology, Department of Pathology, Microbiology and Forensic Medicine, Faculty of Medicine, University of Jordan, Amman – Jordan, Sept. 1996 – Present
- Chairman, Department of Laboratory Medicine, Jordan University Hospital, Amman – Jordan, Oct.1993 – Sept. 1995

- Acting Chairman, Dept. of Pathology, Microbiology and Forensic Medicine, Faculty of Medicine, University of Jordan, Amman – Jordan, Sept. 1992 – Sept. 1995
- Consultant Clinical Pathologist/Microbiology and Immunology Dept. of Laboratory Medicine, Jordan University Hospital, April 1989 – present
- Director, Blood Bank, Jordan University hospital, Amman – Jordan, Apr. 1989 – Oct. 2003
- Assistant Professor in Microbiology and Immunology, Department of Pathology, Microbiology and Forensic Medicine, Faculty of Medicine, University of Jordan, Amman – Jordan, Feb. 1985 – Sept. 1996
- Lecturer in Microbiology and Immunology, Department of Pathology, Microbiology and Forensic Medicine, Faculty of Medicine, University of Jordan, Amman – Jordan, Dec. 1984 – Feb. 1985

Councils and Committees

1. Committee for the Administration of the Health Insurance Fund of the University of Jordan, Amman – Jordan, 2003 – 2007
2. Founding Council of the Faculty of Medicine, Al Hashimiyah University, Zarqa – Jordan, 2004 – 2006
3. Faculty Council, Faculty of Nursing, Jordan University of Science and Technology, Irbid – Jordan, Sept. 2000 – Aug. 2001
4. Founding Council of the Faculty of Medicine, Mu'tah University, Karak – Jordan, 1999 – 2002
5. Adhoc Committee for Staff Development In Jordanian Public Universities, Higher Education Development Project, Amman – Jordan, January 2001
6. Committee for Postgraduate Studies, Faculty of Medicine, University of Jordan , Sept. 1992 – Sept. 1995, Chairman Nov. 1998 – Sep 2006.
7. Committee of Curricula and Examinations, Faculty of Medicine, University of Jordan, Amman – Jordan, 1992-1994, Chairman Nov. 1998 – Oct. 2002, Chairman Oct. 2003 – Sept 2006, Chairman Sept. 2007 – Jan. 2008
8. Committee of Appointment and Promotion, Faculty of Medicine, Universty of Jordan, Amman – Jordan, Nov. 1998 – Sept. 2007
9. Member of the Editorial Board, Dirasat (Official Multidisciplinary Journal of the University of Journal), Deanship of Academic Research, University of Jordan, Amman – Jordan, 1999 – 2003
10. Committee of Total Quality Management, Chairman, Jordan University Hospita, 2000 – 2001
11. National Information Technology Committee – Health Sector, National Center for Information Technology, Higher Council for Science and Technology, 1997 – 1999
12. Adhoc Committee for Introducing Letter Grading at the University of Jordan, Amman – Jordan 1996
13. Specialized Scientific Committee for Pathology and Laboratory Medicine – Jordan Medical Board, Sept. 1994 – June 2008 (Chairman of the Committee, Aug. 2001 – Feb. 2006)
14. Academic and Professional Committee, Jordan University Hospital, Sept. 1993 – Sept. 1995, Sept. 1999 – Sept. 2004
15. Administrative Committee, Jordan University Hospital , Sept. 1993 – Sept. 1995
16. Laboratory and Radiology Utilization Committee, Jordan University Hospital, Sept. 1993 – Sept. 1994

17. National Certification Committee for Poliomyelitis Eradication, Ministry of Health, Amman – Jordan, 1996 – Present
18. Infection control committee. Jordan University Hospital, 1990 – 1995, Sept. 2006 – present, Chairman Oct. 1996 – May 1997, Chairman Oct. 2007- Present
19. Licensing Committee for Private Medical laboratories, Jordanian Ministry of Health 1991 – 1993, 1994-1996, 2004-2006.
20. Higher National Committee for Epidemics, Jordanian Ministry of Health 1993 –present.
21. Avian Influenza and Pandemic Infuleza Committee, Jordanian Ministry of Health 2005 – present.
22. Severe Acute Respiratory Syndrome (SARS) Committee, Jordanian Ministry of Health, 2003 – present.
23. Blood transfusion Committee,. Jordan University Hospital, Chairman, Sept. 1992 – Feb. 2000
24. Scientific Research Committee, Faculty of Medicine-University of Jordan, Sept. 1990 – Sept. 1991
25. Committee for Residency Training, Jordan University Hospital, 1990 – 1994, 1995 – 1998
26. Member of Several Adhoc Committees for Accreditation of Undergraduate Programs in Medical Laboratory Sciences in Private Universities, Ministry of Higher Education and Scientific Research (Present)

Societies

1. Jordan Medical Association
2. Jordan Society of Pathologist
3. American Society of Microbiology
4. Inrernational Society for Blood Transfusion (ISBT)
5. Jordanian Red Crescent Society
6. Middle East and North Africa Health Policy Forum

Major Achievements

- Establishment of the Medical Skills Center at the Faculty of Medicine, the University of Jordan, Amman Jordan. This involved proposal preparation and submission, equipping of the center, organizing staff development activities including the organization of workshops, short term training courses, professorship visits, and travel to academic conferences. The center was officially opened and made available for utilization in January 2005.
- Establishment of the Molecular Biology Research Laboratory at the Faculty of Medicine of the University of Jordan which was officially opened in January 2005.
- Preparation of Program Specification as a requirement for acceditation of the Faculty of Medicine, 2004.
- Change of the Curriculum of the Faculty of Medicine: Lead a group of highly motivated staff members to change the curriculum from a traditional one into an integrated organ system based curriculum. The new curriculum was put in effect as of the academic year 2003/2004.

Workshops and Conferences

Workshops: Participated in numerous workshops, the most important of which are:

- Planning Health Curricula, University of Jordan, Amman Jordan. 30/1-3/2/1993
- Basics of Blood Banking, Murton, Switzerland. 23-31/7/1994
- Flow Cytometry and Cell Sorting, Gent, Belgium. 10-14/10/1994
- Polymerase Chain Reaction (PCR), American University of Beirut, Beirut Lebanon. 1-5/5/1995
- Quality Assurance in Medical Education, American University of Beirut, Beirut Lebanon. 6-9/5/1995
- Automation and Quality Management in Blood Banking, Murton, Switzerland. 26/11-3/12/1995
- Panarab Conference on Laboratory Medicine, Amman Jordan, April 1996
- Stem Cell Separation from Peripheral Blood, Beirut, Lebanon. April 1998
- Advanced Blood Banking, Murton, Switzerland. Sept.1998
- Community Based Medical Education, Suez Canal University, Ismailiah Egypt. 22-28/2/1999
- Workshop on Information Technology in Higher Education, Amman Jordan. 6-7/3/1999
- Revision of HIV/AIDS Guidelines for Journalists, Amman Jordan. 7/5/2007
- Several WHO Workshops and Study groups on Medical Education

Conferences: Most Important conferences attended are:

- International Conference on Infectious and Parasitic Infection, Munich, Germany. 20-26/7/1986
- Fourth Conference of the American Society of Virology, Clear Water, Florida, USA. May 1988
- Regional Meeting for AIDS Programs in the EMRO Region, Cairo, Egypt. 17-20/8/1991
- Arabization of Medical Education, Manamah, Bahrain. 16-18/2/1992
- Second Jordanian French Medical conference (member of the organizing committee) Amman, 1997
- The First German Jordanian Medical Conference (Chairman of the scientific committee) Amman 17-20/10/1998
- Third Jordanian French Medical conference (Chairman of the scientific committee) Amman, 2000
- Annual Conference of the American Association of Blood Banks, Washington DC, USA. 4-8/11/2000
- International Society for Blood Transfusion, Paris, France. July 2003
- International Society for Blood Transfusion, Istanbul, Turkey, August 2005
- First International Conference on Primary Care, Amman Jordan. 8-10, 2005
- Conferences of Jordanian Society of Pathology and Laboratory Medicine and the International Academy of Pathology, Amman Jordan

Courses Taught

- Medical Microbiology Courses for Medical, Pharmacy, and Dentistry Students
- Immunology for Medical Students

- Virology for Medical and Graduate Students
- Epidemiology of Infectious Diseases for Medical Students and Students of the Diploma Program in Community Medicine
- Diagnostic Microbiology for Graduate Students
- Blood Banking for Medical Technology and graduate Students

Consultancies

- WHO Expert for Iraq Office on “ Workshop for Health Profession Education in Iraq” Amman, Jordan. 11-15/2/2007
- Curriculum Development and Clinical Training for Gulf Medical College, Ajaman, UAE. April 2003
- Incorporation of Sexual Education in High School Curricula, Ministry of Education, Amman, Jordan, April 2005
- Journalistic Coverage of HIV/AIDS for UNESCO, Amman, Jordan. May 2005
- Reviewer of Proposal submitted to the Higher Education Development Project. 2002
- Facilitator in a group of workshops organized by the Center for Educational Development at the University of Jordan

Skills

Language: - Arabic: mother tongue
- English: Fluent

Computer: Efficient use of Microsoft Word, Powerpoint, and Excel

Research Activities

- Currently supervising four Masters students in medical laboratory sciences
- Actively involved in research projects addressing nosocomial infections and the epidemiology of infectious diseases.
- Has graduated several Masters students from the University of Jordan
- Was on the examining committees of many Masters students from the University of Jordan and the Jordan University of Science and Technology
- Supervised many physician that were enrolled in the program of Diploma in community medicine that is run by the Ministry of Health and WHO and those enrolled in the Arab Board in community medicine.
- Reviewer for the Saudi Medical Journal, Jordan Medical Journal, DIRAST, Journal of the Royal Armed Forces, and Journal of the University of Damascus

Publications

- 1- ***Azmi Mahafzah***, Marie Landry. Evaluation of immunofluorescent reagents, centrifugation, and conventional cultures for the diagnosis of adenovirus infection. *Diag. Microbiol. Infect. Dis.* 1989; 12: 407-411.
- 2- Mohammed El-Khateeb, ***Azmi Mahafzah***, Musleh Tarawneh. Comparison of four methods for the detection of cytomegalovirus antibody and the prevalence of

- cytomegalovirus infection among Jordanian blood donors. *Jordan. Med. J.* 1991; 25:89-98.
- 3- ***Azmi Mahafzah***, Marie Landry. Restriction endo nuclease analysis of adenovirus isolates from sporadic and epidemic ocular infections: experience in a clinical laboratory. *J. Med. Microbiol.* 1994; 40:385-388.
 - 4- Hussein Ali, ***Azmi Mahafzah***, David Hough, Peter Madison, Mohammad El-Khateeb. Antibodies to Poly (ADP-ribose) in idiopathic and drug-induced systemic lupus erythematosus. *Dirasat, (University of Jordan)* 1996, Vol.22 (B) No. 6:1417-28.
 - 5- ***Azmi Mahafzah***, Characterization of coagulase-negative staphylococci isolated from clinical specimens at the Jordan University Hospital. *Dirasat, University of Jordan, Medical and Biological Sciences*, 1996, Vol. 23 No.1:41-49.
 - 6- Mary R. Reichler, Adnan Abbas , Sa'ad Kharabsheh, ***Azmi Mahafzah***, et.al. Outbreak of Paralytic Polimyelitis in a Highly Immunized Population in Jordan. *J. Infect. Dis.* 1997; 175 (supple 1) : S62-70.
 - 7- Najwa Khorry Bolus, Ala Toukan, ***Azmi Mahafzah***, et.al. Epidemiology of needlestick and sharp injuries at a University hospital in a developing country: A 3 year prospective study at the Jordan University Hospital: 1993 through 1995. *Am.J. infect. Control.* 1997, 25:322-9.
 - 8- Jamal Aqrabawi, ***Azmi Mahafzah***, Clinical Evaluation of Bacterial Leakage of Endodontic Temporary Filling Materials. *Al-Azhar Journal of Dental Science*, 1999, 2(2):145-9.
 - 9- Asem A. Shehabi, ***Azmi Mahafzah***, Izdiad Badran et al: High incidence of klebsiella pneumonia clinical isolates to extended-spectrum B-Lactam drugs in intensive care units. *Diagn. Microbiol. Infect. Dis.* 36(2000): 53-56.
 - 10- ***Azmi Mahafzah***, Asem Shehabi. 2000 Antimicrobial susceptibility Among Clinical Isolates of *Streptococcus pneumoniae* at the Jordan University Hospital over an Eighteen-year period. *Jord. Med. J.*, 34:119-22.
 - 11- T.Aburjai, Rula M.Darwish, S.Al-Khalil, ***A. Mahafzah***, A.Al-Abbadi. Screening of antibiotic resistant inhibitors from local plant materials against two different strains of *Pseudomonas aeruginosa*. *J. Ethnopharmacology.* 2001; 76 (1) : 39-44.
 - 12- R.M. Darwish, T.Aburjai, S. Al-Khalil, ***A. Mahafzah***. Screening of antibiotic resistant inhibitors from local plant materials against two different strains of *Staphylococcus aureus*. *J. Eghnopharmacology.* 2002; 79 (3): 359-364.
 - 13- Randa S. Al-Ahmad, ***Azmi M. Mahafzah*** , Eyas N. Sl-Mosa. Immunological changes in acute myocardial infraction. *Saudi Med J* 2004; vol. 25 (7): 923-928.
 - 14- Asem A. Shehabi, Waleed Abu-Al-Soud, ***Azmi Mahafzah***, Najwa Khouri-Bulos, Ilham Abu Khader, Ibn-Sina Ouis, Torkel Wadstrom. Investigation of Burkholderia cepacia Nosocomial Outbreak with High Fatality in Patients Suffering from Diseases other than Cystic Fibrosis. *Scand J Infect Dis* 36: 174-178, 2004.
 - 15- A.A. Shehabi, ***A.M. Mahafzah*** K.Z. Al-Khalili, Antimicrobial resistance and plasmid profiles of urinary *Escherichia coli* isolates from Jordanian patients. *Eastern Mediterranean Health Journal* 2004 ; 10 (3): 322-328.
 - 16- Yousef S. Omar, ***Azmi M. Mahafzah***, Musleh Tarawneh. Immunological Typing and IgG Subclass Distribution in Plasma Cell Dyscrasias Diagnosed Among Jordanian Patients, *Jordan Medical Journal* 2006; 40(3):161-167.
 - 17- M Al-Ramahi, ***A Mahafzah***, S Saleh, K Fram. Prevalence of *Chlamydia trachomatis* infection in infertile women at a University Hospital in Jordan. *Eastern Mediterranean Health Journal*, 2008,14(5):1148-1154
 - 18- Lina Smadi, Azmi Mahafzah. In Vitro Evaluation of the Antimicrobial Activity of Nine Root Canal Sealers. Accepted for publication in *JCDP*.

- 19- ***Mahafzah AM***, Al-Ramahi MQ, Asa'd AM, Elkhateeb MS. Prevalence of Sexually Transmitted Infections Among Sexually Active Jordanian Females. *Sex Transm Dis*, 2008; 35(6): 607-610
- 20- Bakri FG, Wahbeh A, ***Mahafzah A***, Tarawneh M. Brucella Glomerulonephritis Resulting in End-Stage Renal Disease: A Case Report and a Brief Review of the Literature. *Intl. Urol. Nephrol*, 2008; 40(2): 529-533
- 21- ***Azmi Mahafzah***, Ilham Abu Khader, Faris Bakri. Characterization of Enterococci Causing Nosocomial Infections at a University Hospital in Jordan. Over a Five Year Period. *Jordan Medical Journal*, 2008; 42(4): 229-237
- 22- Bakri FG, Martel C, Khuri-Bulos N, ***Mahafzah A***, et al. First report of clinical, functional, and molecular investigation of chronic granulomatous disease in nine Jordanian families. *J Clin Immunol*, 2008; 10.1007/s10875-008-9243-y
- 23- ***Azmi Mahafzah***, Salam Daradkeh. Profile and Predictors of Bile Infection in Patients Undergoing Laparoscopic Cholecystectomy. Submitted for publication.

Research Interest

- Diagnostic Microbiology and Immunology
- Epidemiology of Infectious Diseases
- Epidemiology of Nosocomial Infections.
- Continuing Medical Education

Referees

Professor Alexander Abdelnoor, PhD
Chairman, Department of Microbiology
Faculty of Medicine
American University of Beirut
Beirut, Lebanon

Professor Nadim Cortas, MD
Vice President
Dean, Faculty of Medicine
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Professor Marie Landry, MD
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333 Cedar Street,
New Haven, CT 06510, USA