

# **CURRICULUM VITAE**

**AHMAD MAHMOUD AL-MAJALI, DVM, PhD**

**PROFESSOR OF EPIDEMIOLOGY AND INFECTIOUS DISEASES**

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## **PERSONAL DATA:**

Faculty of Veterinary Medicine,  
Jordan University of Science and Technology (JUST),  
Irbid, Jordan.

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## **EDUCATION:**

June, 94                      Doctor of Veterinary Medicine (DVM), School of Veterinary  
Medicine, Jordan University of Science and Technology, Irbid, Jordan.

July, 99                      Doctor of Philosophy (Ph.D), Departments of Comparative  
Pathobiology and Clinical Sciences, School of Veterinary Medicine,  
Purdue University, West Lafayette, Indiana, 47907, USA.

## **PROFESSIONAL EXPERIENCE:**

**Oct., 10 – Present      Professor of Infectious Diseases and Epidemiology , Joined  
appointment (Department of Veterinary Clinical Sciences and  
Department of Basic Medical Sciences) Faculty of Veterinary  
Medicine, JUST, Irbid, Jordan.**

**Jul., 15-Jul., 16      Chief Technical Advisor for all the Livestock FAO projects in the  
kingdom of Saudi Arabia, FAO of the United Nations**

**Duties include:**

- **Mange three main FAO projects aiming at improving the Animal Health Delivery in KSA and Animal Surveillance and Early Warning**
  - **Capacity building in Surveillance, disease diagnosis, outbreak investigation, animal health information systems and biosecurity**
  - **Prepare the Saudi MoA strategic plans for controlling major TADs and contingency plans for preventing major emerging diseases**
- Nov., 13-Apr, 2015 **Project Manager, Food and Agriculture Organization (FAO) of the United Nations (FAO), Beirut, Lebanon.**
- Duties include:
- Execute a mass vaccination for FMD, PPR and LSD
  - Capacity building of the epidemiology knowledge of the Lebanese MoA staff
  - Execute sero-surveillance studies for LSD, FMD and PPR
  - Establishing Field Farmers Schools
  - Establishing Community Animal Resource Development Workers (CARDWs)
  - Formulating National Control Strategies for FMD, PPR, and LSD
- Nov., 09–Spet. 13 Dean, Faculty of Veterinary Medicine, Jordan University of Science and Technology (JUST), Irbid, Jordan.**
- Nov., 09–Present Secretary General, Arab Association of Veterinary Medical Faculties, P.O. Box 3030, Irbid 22110.**
- March 12 – Nov., 13 Leader of the Scientific Board, The National Center for Biological and Diagnostics Production, Amman, Jordan.**
- Nov., 11 – Dec., 13 Part-Time “International Consultant for the FMD-PCP project in Sudan, Food and Agriculture Organization of the United Nation (FAO), Khartoom, Sudan**
- Sept., 09–Nov.09 Vice Dean, Faculty of Veterinary Medicine, Jordan University of Science and Technology (JUST), Irbid, Jordan.
- Sept., 08– Sept., 09 Head, Animal Health and Management program, , Dept. of Animal Wealth, Arab Center for the studies of Arid Zones and Dry Land (ACSAD), The League of Arab States (LAS), Damascus, Syria. This center is an international center affiliated with LAS.

- Sept., 04 – Sept., 08 Head, Department of Veterinary Clinical Sciences, Faculty of Veterinary Medicine, Jordan University of Science and Technology (JUST), Irbid, Jordan.
- Sept., 03-Sept., 04 Associate Dean, Faculty of Veterinary Medicine, Jordan University of Science and Technology (JUST), Irbid, Jordan.
- Sept, 02-Sept., 04 Director of Veterinary Health Center, JUST, Irbid, Jordan
- Oct., 05 – Oct., 11 Associate Professor, Joined appointment (Department of Veterinary Clinical Sciences and Department of Basic Medical Sciences, Faculty of Veterinary Medicine, JUST, Irbid, Jordan.
- Sept., 00-Oct., 05 Assistant Professor, Department of Veterinary Clinical Sciences, Faculty of Veterinary Medicine, JUST, Irbid, Jordan.
- Sept., 99-Aug., 00 Senior Scientist/Project Leader, and Interim Director of Research and Discoveries, Merial Limited, Athens, Georgia, USA. Duties include, development of vaccines and testing immunogenicity and efficacy in laboratory and final hosts. Qualification and re-qualifications of reference vaccines for USDA approvals.
- July, 99-Sept., 99 Research Assistant, and Zoonotic Diseases Fellow, Department of Basic Medical Sciences, School of Veterinary Medicine, Purdue University, West Lafayette, Indiana, 47907, USA.
- July, 95-July, 99 Research and Teaching Assistant, Department of Veterinary Pathobiology, School of Veterinary Medicine, Purdue University, West Lafayette, Indiana, 47907, USA.
- Sept., 94-July, 95 Veterinary Surgeon, Animal Hospital, School of Veterinary Medicine, Jordan University of Science and Technology, Irbid, Jordan.
- Medical Supervisor, Animal Production Station, School of Agriculture, Jordan University of Science and Technology, Irbid Jordan.
- Teaching Assistant, Department of Basic Medical Sciences, Jordan University of Science and Technology, Jordan.
- July, 94-Sept., 94 Associate Food Animal Veterinarian, Al-Taher Pharmacy and Clinic, Aldelal, Zarka, Jordan.

**EXPERIENCE WITH INTERNATIONAL ORGANIZATIONS:**

- World Organization for Animal Health (OIE): Invited Speaker “Promoting Ve. Education: Perspective of OIE Twining Project”. At the 12th OIE Regional Conference-Middle East. Amman, Spet., 2013
- Food and Agriculture Organization of the United Nation (FAO): Terminal Evaluation of a project entitled: Recovery and rehabilitation of the dairy sector in Bekâa Valley and Hermel Akkar Uplands, June 2013.
- World Organization for Animal Health (OIE) and FAO: Invited Speaker at the FMD-PCP Seminar for the GC and Yemen, Dubai, UAE, April, 2013.
- Islamic Development Bank (IDB) in Jeddah, Workshop Coordinator, Risk Factors Assessment and Analysis in Epidemiological Investigation for upgrading the Public Vets of the MoA at the Palestinian Authority. March, 2012.
- World Organization for Animal Health (OIE) and FAO: Invited (Keynote) Speaker at the meeting of the Jordan, Syria, Lebanon, Egypt chief veterinary officers (CVOs) on FMD-PCP, December 2012.
- Food and Agriculture Organization of the United Nation (FAO): Facilitator and lecturer for the workshop on FMD-PCP for countries of the Middle east, Cairo, Egypt, December 2012.
- Food and Agriculture Organization of the United Nation (FAO): Facilitator for the workshop on FMD (PCP), EuFMD, Cyprus, June, 2012.
- Food and Agriculture Organization of the United Nation (FAO): Impact of climate change on livestock diseases: adaptation and mitigation, Amman, May 2011.
- Islamic Development Bank (IDB) in Jeddah, Epidemiological Investigation. Consultation for the Ministry of Agriculture of the Palestinian Authority. March, 2011.
- Islamic Development Bank (IDB) in Jeddah, Diagnosis and Control of Neonatal Mortalities in Small Ruminants. Consultation for the Ministry of Agriculture of the Palestinian Authority. Jan, 2011.

- Arab Organization for Agriculture Development (AOAD), consultation on preparing the One Arab-Countries Law on Quarantine, Cairo-Egypt, March, 2010.
- Arab Organization for Agriculture Development (AOAD), Member of the refereeing committee for the 2009 Arab Prize for Scientific Research in Agriculture Section. Cairo-Egypt. Feb, 2010.
- Arab Center for the studies of Arid Zones and Dry Land (ACSAD), The League of Arab States, Workshop coordinator, Quality Assurance and Quality Control in Vaccine Production, Amman-Jordan, Feb, 2010.
- Arab Center for the studies of Arid Zones and Dry Land (ACSAD), The League of Arab States, Workshop coordinator, New strategies for vaccine production, Damascus-Syria, Nov. 2009.
- Food and Agriculture Organization of the United Nation (FAO): Terminal Evaluation of a project entitled: Early Recovery Assistance to War-Affected Resource-poor livestock keepers in Southern Lebanon. A team member in the final evaluation mission.16-30, Nov., 2008.
- Danish Agriculture Center, National Center for Agriculture Research and Extension (NCARE), Report on impact of feed shortage on livestock health, Amman-Jordan, 2008.
- Food and Agriculture Organization of the United Nation (FAO): Approved by Sustainable Research Development (SRD) to evaluate two FAO project in Iraq (OSRO/IRAQ/406/UDG: Restoration of Veterinary Services in Iraq and OSRO/IRAQ/407/UDG): Restoration of Livestock sector in Iraq, June 2008.
- Epidemiology and Trans-boundary Diseases Expert. Arab Center for the studies of Arid Zones and Dry Land (ACSAD), The League of Arab States, Damascus, Syria. This center is an international center affiliated with LAS.
- International Center for Agriculture Research in Dry Areas (ICARDA/IFAD), E-dialogue consultant and facilitator (June 2008).
- International Center for Agriculture Research in Dry Areas (ICARDA) and International Livestock Research Institute (ILRI): Workshop facilitator and preparation of summary report for the Expert consultation on small ruminants. Cairo-Egypt (March 2008).

- Food and Agriculture Organization (FAO): Preparation of a paper on Avian Influenza Assessment in Jordan (2007).
- International Center for Agriculture Research in Dry Areas (ICARDA) and International Funds for Agriculture Development (IFAD): Coordinator of health aspect in Jordan (2007-2008) Project Title: Mashreq-Maghrab-Phase III.
- Evaluation of Veterinary Services using Published OIE protocols (OIE PVS tool). International Center for Agriculture Research in Dry Areas (ICARDA) and International Funds for Agriculture Development (IFAD).
- International Center for Agriculture Research in Dry Areas (ICARDA) and International Funds for Agriculture Development (IFAD) : Project coordinator in Jordan (2004-2007) Project Title: Small Ruminant Health – Improved Livelihoods and Market Opportunities for Poor Farmers in The Near East and North Africa (NENA) Region.
- Arab Organization for Agriculture Development (AOAD). PCR expert, Workshop coordinator, Amman, Jordan, March 2005.
- Arab Organization for Agriculture Development (AOAD). Control and management of trans-boundary infectious diseases (expert) for 1 week period. UAE Ministry of Agriculture and Fisheries, Dubai, UAE, 2003.
- Arab Organization for Agriculture Development (AOAD). Diagnostic Expert, UAE Ministry of Agriculture and Fisheries, Dubai, UAE. Feb. 2003.

### **MEETINGS AND WORKSHOPS:**

- Statistical Analysis using SPSS. Workshop Coordinator, Center for Academic Development, August.. 2013, JUST, Irbid, JORDAN.
- PCR technology as a diagnostic tool for Brucellosis in livestock, Workshop coordinator, AOAD, Department of Veterinary Health, Amman, Jordan, Jan, 2013.
- Foot and Mouth Disease and Lumpy Skin Disease, Laboratory Diagnosis with emphasis on the PCR method, Workshop coordinator, ACSAD, Department of Veterinary Health, Amman, Jordan, Feb., 2013.

- Statistical Analysis using SPSS. Workshop Coordinator, Center for Academic Development, March. 2012, JUST, Irbid, JORDAN.
- Statistical Analysis using SPSS. Workshop Coordinator, Center for Academic Development, July. 2012, JUST, Irbid, JORDAN.
- Statistical Analysis using SPSS. Workshop Coordinator, Center for Academic Development, Feb. 2011, JUST, Irbid, JORDAN.
- Small Ruminant Expert consultation, ICARDA, Cairo, Egypt, April 2008. Consultation facilitator and in charge of writing the final reported that was submitted to IFAD.
- Small Ruminant Expert consultation, ICARDA, Keynote speaker, Title of presentation: Epidemiology of selected trans-boundary small ruminant diseases in NENA. Cairo, Egypt, April 2008.
- Control and management of foot and mouth disease in small ruminants, 1<sup>st</sup> international conference of infectious diseases, Keynote speaker, Cairo Egypt, Feb. 2008.
- Jordan-USA-Palestine small group discussion on control of Trypanosoma, Feb, 2007, JUST, Jordan
- Diagnosis of *Brucella* and other selected economically important small ruminant infectious diseases, Keynote speaker, Effect of Desert on Livestock Meeting, Mutaa University, Karak, Jordan, 2007
- PCR technology for diagnosis avian flu virus. Workshop coordinator, AOAD, Department of Veterinary Health, Amman, Jordan, 2006.
- Geographical Information System (GIS) and its use in Veterinary Medicine, Workshop coordinator, Dar Al-Oloom, Amman, 2006
- PCR technology as a diagnostic tool for Brucellosis in livestock, Workshop coordinator, AOAD, Department of Veterinary Health, Amman, Jordan, 2005.
- AMOS-PCR for Brucella strain diagnosis. Workshop coordinator, AOAD, Department of Veterinary Health, Amman, Jordan, 2005.
- Foot and Mouth Disease, Field Diagnosis and Control, Lecturer, AOAD, Department of Veterinary Health, Amman, Jordan, 2004.

- Foot and Mouth Disease, Laboratory Diagnosis with emphasis on the PCR method, Workshop coordinator, AOAD, Department of Veterinary Health, Amman, Jordan, 2005.
- Brucellosis, Epidemiology, Diagnosis and Control, A lecturer, AOAD, Department of Veterinary Health, Amman, Jordan, 2004.
- ELISA for Diagnosis of Infectious Diseases, Workshop Coordinator, Ministry of Agriculture and Fisheries, Dubai, United Arab Emirates, 2003. Workshop is funded by the Arab Organization of Agriculture development (AOAD).
- Control of Trans-boundary infectious diseases, international regulations and OIE codes, Workshop coordinator, Dubai, United Arab Emirates, 2003. Workshop is funded by the Arab Organization of Agriculture development (AOAD).
- Geographical Information System (GIS), Principles, Jordan University and Technology, 2003
- Brucellosis, Epidemiology, Vaccination and Control, A lecturer, AOAD, JoVac, Amman, Jordan, 2003.
- New Methods in Control of Small Ruminants Diseases, A lecturer, AOAD, Ammra Hotel, Amman, Jordan, 2002.
- Student Evaluation, Methods and Techniques, Jordan University of Science and Technology, 2001.
- Quality Control Management, Jordan University of Science and Technology, 2001.
- Epidemiology and Diagnosis of Infectious Disease and Sample Collection, A lecturer, Jordan University of Science and Technology, 2000.
- Infectious Diseases: Ethical and Legal Issues in Infectious Diseases Research, Center for Disease Control and Prevention, Atlanta, Georgia, 2000.
- Food Safety and Irradiation: Center for Disease Control and Prevention, Atlanta, Georgia, 2000.
- Training on Good Laboratory Practice (GLP), Trainer workshop, Center for Professional Advancements, Athens, Georgia, 2000.
- Bio-terrorism: Guidelines for Responding to threats. Center for Disease Control and Prevention, Atlanta, Georgia, 2000.



- Applied Management Principles (Concise MBA program, Non-Degree program), Karnert Graduate School of Management, Purdue University, West Lafayette, Indiana, 1999.
- Mechanism of Bacterial Pathogenesis, Iowa State University and United State Department of Agriculture (USDA), Iowa, 1999.
- Writing to the Web Workshop, Freehafer Hall of Administrative Services, Purdue University, West Lafayette, Indiana, 1998.
- The Jim Callahan Bovine Theriogenology Workshop, School of Veterinary Medicine, Purdue University, West Lafayette, Indiana, 1998.
- Workshop on Peste des Petitis Ruminants (PPR), School of Veterinary Medicine, Jordan University of Science and Technology, Irbid, Jordan, 1994
- Workshop on Large Animals Surgical Techniques, School of Veterinary Medicine, Jordan University of Science and Technology and Purdue University, Irbid, Jordan, 1995.
- The Scientific Writing Workshop, School of Veterinary Medicine, Purdue University, West Lafayette, Indiana, 1997.

**TEACHING EXPERIENCE:**

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| Sept., 94-July, 95 | Teaching Assistant in the following courses: Microbiology I, Microbiology II, Infectious Diseases. Ethical Issues in Biomedical Research. Meat Hygiene, Theriogenology II, Surgery I, and Surgery II. |
| Spring, 96, 97, 99 | VPB 234 (Clinical Epidemiology, lecturer), Veterinary Technology students, Department of Veterinary Pathobiology, Purdue University.  |
| Spring 98, 99      | VPB 680 (Advance Epidemiology, lecturer), VPB Veterinary major and graduate students.   |
| Spring 98, 99      | VPB 666 (Public Health and Zoonoses, lecturer), Veterinary Technology students, Department of Veterinary Pathobiology, Purdue University.   |
| Fall, 98, 99       | VM 520 (Application and Integration, supervisor), First and second year students, Department of Veterinary Clinical Sciences, Purdue University.  |

- Summer, 2000, 06    Veterinary Microbiology, Invited lecturer (Pathogenesis of the Gastrointestinal Tract Bacterial Diseases). School of Veterinary Medicine, University of Georgia, Athens, GA
- Fall, 00, 01, 02,    Veterinary Infectious Diseases, Department of Veterinary  
03, 04, 05, 06, 07, 08    Clinical Sciences, Faculty of Veterinary Medicine, JUST, Irbid, Jordan
- Animal Biotechnology, Faculty of Science, JUST, Irbid, Jordan
- Animal Physiology, (gastrointestinal system during the sabbatical of the physiology instructor), Faculty of Veterinary Medicine, JUST, Irbid, Jordan
- Animal Health and Epidemiology, Course Instructor, Department of Animal Production, Faculty of Agriculture, JUST, Irbid, Jordan.
- Veterinary Clinic I (outbreak investigation), Department of Veterinary Clinical Sciences, Faculty of Veterinary Medicine
- Spring, 00, 01, 02    Animal Health and Epidemiology, Course Instructor, Department of  
03, 04, 05, 06, 07    Animal Production, Faculty of Agriculture.  
08, 09, 11, 12, 13    Animal Health, II, Course Instructor, Department of Animal  
Production, Faculty of Agriculture, JUST, Irbid, Jordan.
- Public Health and Zoonoses, Course Instructor, Department of Veterinary Clinical Sciences, Faculty of Veterinary Medicine
- Infectious Diseases, Course Instructor, Faculty of Veterinary Medicine
- Advance Clinical Epidemiology, Department of Veterinary Clinical Sciences, Faculty of Veterinary Medicine

**RESEARCH INTEREST:**

- Epidemiology of Veterinary and Zoonotic Diseases.
- Pathogenesis and Diagnosis of Infectious Diseases.
- Vaccine Development and Testing.

**HONORS AND MEMBERSHIPS:**

- Recipient of the Visiting Scholar (Two times) **Fulbright Prize** to Purdue University, West Lafayette, IN, USA, 2007. **Due to the delay in getting the US VISA, I was not able to enjoy this scholarship.**
- Member of AMIDEAST for selection of Jordanian students to study at USA on a one year scholarship by the USA government, 2007.
- Member of Preventive Veterinary Medicine Journal **Advisory Board**, Starting October 2004 to October 2008.
- National Steering Committee, Surveillance and control of food and mouth disease in Jordan, 2005, 2006, 2007, 2008.
- National Steering Committee, Surveillance and control of tuberculosis in Jordan, 2005, 2006, 2007, 2008.
- Technical Committee, Surveillance and control of tuberculosis in Jordan, 2005, 2006, 2007, 2008.
- GIS-Network- Kansas State University (KSU)- USA, 2005.
- Technical Committee, Control of Brucellosis in Jordan, 2005, 2006, 2007, 2008.
- Recipient of the **first prize of the Arab Universities Union** on Zoonotic Research, 2005.
- Honor list for **high academic achievements student**, JUST, 1992, 1993, 1994.
- Member of the Jordanian Veterinary Medical Association (JVMA), 1994 to present.
- Recipient, Scholarship from Jordan University of Science and Technology to pursue graduate work at Purdue University in the field of Infectious Diseases, 1995
- Phi Zeta (Honor Society of Veterinary Medicine), 1999 to present.
- Gamma Sigma Delta (Honor Society for Agriculture, Consumer and Family Sciences and Veterinary Medicine), 1997-1999.
- Phi Beta Delta (Honor Society for International Scholars), 1997-1999.
- Recipient, **Frederick N. Andrews Doctoral Fellowship**, Purdue University, 1997.

- Recipient, **VPB-Proctor & Gamble Travel Grant** to attend and present a paper at the Interscience Conference on Antimicrobial Agents and Chemotherapy, 38<sup>th</sup> American Society for Microbiology annual Meeting on Infectious Diseases, San Diego, CA., 1998.
- Phi Kappa Phi (Honor Society for **High Academic Achievement Students**), 1999 to Present.
- Member of the American Dairy Science Association (ADSA), 1999.
- Member of the American Society for Microbiology (ASM), 1999 to Present.
- Purdue University, School of Veterinary Medicine **nominee for the national Phia Zeta Research Award**, 1999. Title of the nominated paper is: Effect of dietary insulin on the response of suckling mice enterocytes to *Escherichia coli* heat-stable enterotoxin.
- Honorable mentioning in an international book on *Salmonella* Enteritidis (*Salmonella enterica* Serovar Enteritidis in Humans and Animals: Epidemiology, Pathogenesis, and Control. A. M. Saeed "editor" Iowa State University Press, Iowa, USA. 1999.
- Member of the American Association of Veterinary Laboratory Diagnosticians (AAVLD), 2000 to Present.
- **Making the Vital Difference in Athens Award, Merial Limited, Athens, Georgia, USA, 2000**
- Consultant, Animal Protection Club, Jordan University of Science and Technology, 2001, 2002, 2004.
- **Distinguished Research Award**, The Higher Council of Science and Technology, Amman, Jordan., 2001.

**COMMITTEES SERVED:**

- **University Scientific Committee, Deanship of Scientific Research, JUST, 2009-Present**
- **Member of the National Epidemic Committee, This committee is formed by the Prime Minister of Jordan, 2009-Present.**
- **Health Activity Member, ICARDA Mashraq & Maghreb Project, 2006, 2007.**

- **Activity Health Leader, ICARDA Small Ruminant Project, 2004, 2005, 2006, 2007.**
- **ICARDA, Small Ruminants Project, National Technical Committee, 2004, 2005, 2006.**
- Graduate School Faculty Member, Faculty of Graduate Studies, JUST, Irbid, Jordan, 2004.
- University Council, Member, JUST, Irbid, Jordan, 2003.
- Scientific Review Committee, Faculty of Veterinary Medicine, Jordan University of Science and Technology, 2002, 2005, 2006.
- Veterinary Diagnostic Services Committee (Chairman), Faculty of Veterinary Medicine, Jordan University of Science and Technology, 2001, 2002, 2003, 2004, 2005.
- Social Activities Committee, Faculty of Veterinary Medicine, Jordan University of Science and Technology, 2001, 2002.
- Member in the executive committee of Phi Beta Delta (Honor Society for International Scholars) 1998, 1999, 2000.
- **Chairman of the membership committee of Phi Beta Delta (Honor Society for International Scholars) 1998, 1999, 2000.**
- Graduate School representative in the School of Veterinary Medicine Grade Appealing Committee. 1998, 1999.
- Chairman, Diagnostic Laboratory Committee, School of Veterinary Medicine, JUST, 2000, 2002, 2003.
- Chairman, Social Committee, School of Veterinary Medicine, JUST, 2000
- Chairman of the Dept. Graduate Committee, School of Veterinary Medicine, JUST, 2004, 2005, 2006.

### **JOURNAL PUBLICATIONS:**

- **Al-Majali, A. M.** (2013). Evaluation of a modified AMOS PCR for the diagnosis of camel brucellosis. (Submitted to *Tropical Animal Health and Production*).

- Talafha, A.Q., **Al-Majali, A.M.** (2013). Prevalence and risk factors associated with *Neospora caninum* infection in dairy herds in Jordan. *Tropical Animal Health and Production*, **45**, 479-85
- Talafha, A.Q., Ababneh, M.M., Ababneh, M.M., **Al-Majali, A.M.** (2012). Prevalence and risk factors associated with *Chlamydophila abortus* infection in dairy herds in Jordan. *Tropical Animal Health and Production*, **44**, 1841-1846
- Abutarbush, S.M., Alqawasmeh, D.M., Mukbel, R.M., **Al-Majali, A.M.** (2012). Equine babesiosis: seroprevalence, risk factors and comparison of different diagnostic methods in Jordan. *Transboundary Emerging Diseases*, **59**, 72-78.
- Gharaibeh S., Al Rifai R. **Al-Majali, A. M.** (2010). Molecular typing and antimicrobial susceptibility of *Clostridium perfringens* from broiler chickens. *Anaerobe*, **16**, 586-589.
- **Al-Majali, A.M.**, Khalifeh, M.S. (2010). Distribution and characterization of the *Escherichia coli* heat-stable enterotoxin (STa) receptor throughout the intestinal tract of newborn camels (*Camelus dromedaries*). *Tropical Animal Health and Production*, **42**, 1311-1314.
- **Al-Majali, A. M.**, et al., (2009). Prevalence and Risk factors of brucellosis in cattle in Jordan. *Journal of Veterinary Science*, **10**, 61-65.
- Tarawneh, K.A., Al-Tawarah, N.M., Abdel-Ghani, A.H., **Al-Majali, A.M.**, Khleifat K.M. (2009). Characterization of verotoxigenic *Escherichia coli* (VTEC) isolates from faeces of small ruminants and environmental samples in southern Jordan. *Journal of Basic Microbiology*, **49**, 310-317.
- Khalifeh, M.S., **Al-Majali, A.M.**, Stabel, J.R. (2009). Role of nitric oxide production in dairy cows naturally infected with *Mycobacterium avium* subsp. paratuberculosis. *Veterinary Immunology and Immunopathology*, **131**, 97-104.
- **Al-Majali, A. M.**, Al-Shorman, M. (2009). Children Brucellosis in Jordan: Prevalence and Risk Factor Analysis, *International Journal of Infectious Disease*, **13**, 196-200.
- **Al-Majali, A. M.** (2008). Epidemiological of foot and mouth disease and paratuberculosis in small ruminants in Tafelah and Ma'an, Jordan, *Small Ruminant Research*, **78**, 197-201.
- Talafha, A., Ababneh MM. **Al-Majali, A. M.** (2009). Prevalence of Bovine Viral Diarrhea (BVD) in Jordan. *Tropical Animal Health and Production*, **41**, 499-506.

- Al-Qudah, K. M. and **Al-Majali, A. M.** (2008). A study on pathological and microbiological conditions in goats in slaughterhouses in Jordan. *Asian Journal of Animal and Veterinary Advances*, **3**, 269-274.
- Z. A. Bani Ismail, **A. M. Al-Majali**, F. Amireh, O.F. Al-Rawashdeh. (2008) Metabolic Profiles in Late Pregnant Does With and Without Subclinical Pregnancy Toxemia. *Veterinary Clinical Pathology*, **37**, 434-437.
- **Al-Majali, A. M.**, Hussain, N. Majok, A., Amarin, N. and Al-Rawashdeh, O. (2008). Seroprevalence of, and risk factors for, peste des petits ruminants in sheep and goats in Northern Jordan, *Preventive Veterinary Medicine* **85**, 1-8.
- **Al-Majali, A. M.**, Jawasreh, K. and Talafha, H. (2008). Epidemiology of Neosporosis in sheep and different breeds of goats in Jordan. *American Journal of Animal and Veterinary Sciences* **3**, 47-52.
- Shorman, M., Atoom, A.M. and **Al-Majali, A. M.** (2008). Identification of Methicillin Resistant *Staphylococcus aureus* (MRSA) and Methicillin Resistant Coagulase-Negative Staphylococcus (CoNS) in Clinical Settings. *American Journal of Infectious Diseases*, **4**, 156-161.
- **Al-Majali, A. M.**, Al-Qudah, K.M., Al-Tarazi, Y. and Al-Rawashdeh, O. (2008). Risk Factors Associated with Camel Brucellosis in Jordan. *Tropical Animal Health and Production*, **40**, 193-200.
- **Al-Majali, A. M.**, Zuhair Bani Ismail and A. Y. Nour (2007). Lactoferrin concentration in milk from camels (*Camelus dromedarius*) with and without subclinical mastitis. *The International Journal of Applied Research in Veterinary Medicine*. **5**, 120-124.
- Bani Ismail, Z., **Al-Majali, A. M.**, and Al-Qudah, K. (2007). Clinical and Surgical Findings and Outcome Following Rumensotomy Adult Dairy Cattle Affected with Recurrent Rumen Tympany Associated with Non-Metallic Foreign Bodies. *American Journal of Animal and Veterinary Sciences*, **2**, 66-71.
- **Al-Majali, A. M.**, Majok, A., Amarin, N. and Al-Rawashdeh, O. (2007). Prevalence and Risk factors for brucellosis in Awassi sheep from Southern Jordan. *Small Ruminant Research*, **73**: 300-303.
- **Al-Majali, A. M.**, M.M. Ababneh, M. Shorman and M. Saeed, (2007) Characterization of the interaction of Escherichia coli heat-stable enterotoxin (STa) with its receptor on newborn calf intestinal tract. *FEMS Immunology and Medical Microbiology*, **49**: 35-40.

- Bani Ismail, Z., Al-Zghoul, M, **Al-Majali, A.M.** and Khraim, N. (2007) Effect of Castration on Penile and Urethral Development in Awassi Lambs. *Bulgarian Journal of Veterinary Medicine*. **10**, 29-34.
- Al-Qudah, K and **Al-Majali, A. M.** (2006). Status of biochemical and antioxidant variables in horses before and after long distance races. *Revue de Médecine Vétérinaire*. **157**, 307-312.
- Al-Tarazi Y, Abu-Basha E.A., Elsheikh H, **Al-Majali A.M.** (2007) Pharmacokinetics and bioavailability of gentamicin after a single Intravenous and Intramuscular administration in camels (*Camelus dromedaries*). *Journal of Camel Practice and Research*, **15**, 139-143.
- Alzghoul, FM, Bani Ismail, ZB, Al-Rukibat, RK and **Al-Majali, A.M.** (2006). A quantitative study on the trachea of young Arabian Camels (*Camelus dromedarius*). *Journal of Camel Practice and Research*. **13**, 129-133.
- Al-Rukibat, R., Bani-Ismael, Z, **Al-Majali, A. M.** and Al-Zgoul, M. (2006). Peritoneal Fluid Analysis in Adult Non-pregnant Awassi Sheep. *Journal of Veterinary Clinical Pathology*, **35**, 215-218.
- Al-Qudah, K, **Al-Majali, A. M.** and Bani-Ismael, Z. (2006). Epidemiological studies on caprine arthritis-encephalitis virus infection in Jordan, *Small Ruminant Research*, **66**, 181-186.
- **Al-Majali, A. M.** (2005) Seroepidemiology of caprine brucellosis in Jordan. *Small Ruminant Research* **58**, 13-18.
- **Al-Majali, A. M.** and Al-Qudah, K. (2004). Seroprevalence of *Bartonella henselae* and *Bartonella quintana* infections in children from central and northern Jordan. *Saudi Medical Journal* **25**, 1664-1669.
- **Al-Majali, A. M.** (2004) seroprevalence of and Risk Factors for *Bartonella henselae* and *Bartonella quintana* Among Pet Cats in Jordan. *Preventive Veterinary Medicine* **64**, 63-71.
- **Al-Majali, A. M.** and S. Jawabreh., (2003) Period Prevalence of Subclinical Mastitis in Awassi Sheep in the Southern Jordan. *Small Ruminant Research* **47**, 243-248.
- Al-Qudah, K and **Al-Majali, A. M.** (2003) Bacteriologic Studies of Liver Abscesses of Awassi Sheep. *Small Ruminant Research* **47**, 249-253.



- **Al-Majali, A. M.** Characterization of the first *Bartonella henselae* isolated from a domesticated cat in Jordan. (Manuscript in preparation).
- Saeed, A. M., Tan, R., Koons, C., **Al-Majali, A. M.**, Barrett, B., Teclaw, R. F., Bixler, D.: The epidemiology of *Salmonella* Typhimurium, including DT104 in the American Midwest. (Manuscript in preparation).
- **Al-Majali, A. M.**, Robinson, J. P., Asem, E. K., Lamar, C., Freeman, J., and Saeed, A. M. (2008) Effect of the *Escherichia coli* heat-stable enterotoxin (STa) on the ion transport, brush border membrane disaccharidase, and guanylate cyclase activity in different segments of newborn calves intestine. (Submitted to *Microbial Pathogenesis*).
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- **Al-Majali, A. M.**, Robinson, J. P., Asem, E. K., Lamar, C., Freeman, J., and Saeed, A. M. (2000). Age-Dependent Variation in the Density and Affinity of *Escherichia coli* Heat-Stable Enterotoxin Receptors in Mice, *In Mechanisms in the Pathogenesis of Enteric Diseases II*, P.S. Paul and D.H. Francis "editors", Kluwer Academic/Plenum Publishers, New York, USA. pp: 137-147
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### **ABSTRACTS, PRESENTATIONS AND POSTERS:**

- **Al-Majali, A. M.:** Bacterial Isolates from Infected Ovine lungs. Presented to the School of Veterinary Sciences, Jordan University of Science and Technology, Irbid, Jordan. 1994.
- **Al-Majali, A. M.:** Equine Babesiosis. Presented to the School of Veterinary Medicine, Jordan University of Science and Technology, Irbid, Jordan. 1995.
- **Al-Majali, A. M.:** Displacement of abomasum in cattle: diagnosis and treatment, Presented to the School of Veterinary Medicine, Jordan University of Science and Technology, Irbid, Jordan. 1995.

- **Al-Majali, A. M.**, and Saeed, A. M.: Modulating Effect of Insulin on the Interaction between Enterotoxigenic *Escherichia coli* Heat-Stable Enterotoxin and its Putative Receptor of Mice Enterocytes. Presented to the Department of Veterinary Pathobiology, Purdue University, West Lafayette, IN. 1997.
- **Al-Majali, A. M.**, and Saeed, A. M.: Characterization of the Interaction of *Escherichia coli* Heat-Stable Enterotoxin and Its Putative Receptor on Enterocytes Isolated from Different Age Groups of Mice, Presented to the Department of Veterinary Pathobiology, Purdue University, West Lafayette, IN. 1998.
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- **Al-Majali, A. M.**, Asem, E. K., Lamar, C., Robinson, J. P., Freeman, J., and Saeed, A. M.: Effect of Dietary Insulin on the Response of Suckling Mice Enterocytes to *Escherichia coli* Heat-Stable Enterotoxin. The 11<sup>th</sup> Annual Phi Zeta Research Day, Purdue University, School of Veterinary Medicine, West Lafayette, IN, April, 1998.
- **Al-Majali, A. M.**, Characterization of the Interaction of *Escherichia coli* Heat-Stable Enterotoxin (STa) with its Putative Receptor on Enterocytes from Different Age Groups of Mice. The 38<sup>th</sup> Interscience Conference on Antimicrobial Agents and Chemotherapy (ICAAC), ASM's Annual Meeting on Infectious Diseases, San Diego, CA. Sept., 1998.
- **Al-Majali, A. M.**, Asem, E. K., Robinson, J. P., Lamar, C., Freeman, J., and Saeed, A. M.: Age-Dependent Variation in the Density and Affinity of *Escherichia coli* Heat-Stable Enterotoxin Receptors in Mice. The 2<sup>nd</sup> International Rushmore Conference on Mechanisms in the Pathogenesis of Enteric Diseases, Rapid City, SD. October, 1998.
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- Saeed, A. M., Tan, R., Koons, C., **Al-Majali, A. M.**, Barrett, B., Teclaw, R. F., Bixler, D.: The Epidemiology of *Salmonella* Typhimurium, Including DT 104 in the American Midwest. Presented at the Annual Meeting of the United States Animal Health Association, Minneapolis, MN. July, 99.
- **Al-Majali, A. M.** Characterization of the interaction of *Escherichia coli* heat-stable enterotoxin (STa) with its intestinal putative receptor in various age groups of mice using flow cytometry and binding assays. Will be presented in the 9<sup>th</sup> Annual Conference on Infectious Diseases, British Columbia, Canada, May 2000.
- **Al-Majali, A. M.** Studies on the mechanism of diarrhea Induced by *Escherichia coli* heat-stable enterotoxin (STa) in newborn calves. Will be presented in the 9<sup>th</sup> Annual Conference on Infectious Diseases, British Columbia, Canada, May 2000.
- **Al-Majali, A. M.** Rift Valley Fever and West Nile Virus: Status of the Disease in Jordan. Invited speaker to Irbid University, Irbid, Jordan, October 2000
- **Al-Majali, A. M.** Rift Valley Fever and West Nile Virus: Status of the Disease in Jordan. Invited speaker, Albalqa University, Amman, Jordan, November 2000.
- **Al-Majali, A.M.** Foot and Mouth Disease: is Jordan in danger? Invited Speaker, Moutah University, March, 2001.
- **Al-Majali, A.M.** Foot and Mouth Disease: is Jordan in danger? Invited Speaker, Al-Hashmette University, Zarka, Jordan, April, 2001.
- **Al-Majlai, A. M.** Zoonosis of Jordan. Invited Speaker, SPANA workshop on preparation of human awareness of animal protection. Jordan University of Science and technology, March 2002.
- **Al-Majlai, A. M.** New Methods in Small Ruminants Herd Health. Presented to the Arab Association of Agriculture Development, Amman, March 2002.
- **Al-Majali, A. M.** Prevalence and Risk Factors for *Bartonella henselae* and *Bartonella quintana* Among Pet Cats in Jordan, Al-Mansura University, Egypt, 2003.
- **Al-Majlai, A. M.** Zoonosis in Jordan. Invited Speaker, Rumtha Department of Education, January 2006.
- **Al-Majali, A.M.**, Impact of zoonotic diseases, Invited Speaker, Irbid chapter Veterinary Medical Association, 2007.

- **Al-Majali, A.M.** and others, Infectious Disease of Camels, Cairo University, Cairo, Egypt, 2007.
- **Al-Majali, A.M.** Epidemiology of trans-boundary small ruminant diseases in the NENA region: control and animal health delivery system, Invited speaker, Expert consultation meeting, Cairo, Egypt, March 2008.

### **REVIEWING COMMITTEES:**

- **Editor-In-Chief, Altabeb Albaitari, JVMA publishing**
- **Reviewer and Board Member** for Preventive Veterinary Medicine (An International Journal), ELSEVIER SCIENCE, Amsterdam, The Netherlands, 2004-2012.
- **Invited Guest Editor**, American Journal of Veterinary and Animal Sciences, Nature Publiscation, USA.
- Reviewer for Small Ruminant Research (An International Journal), ELSEVIER SCIENCE, Amsterdam, The Netherlands.
- Reviewer for Sustainable Sciences Institute (SSI), 474 Valencia Street, Suite 120 San Francisco, CA 94103, USA.
- Reviewer for Saudi Medical Journal, Ryiad, Saudi Arabia
- Reviewer for BMC infectious Disease, BMC, England.
- Reviewer for BMC Veterinary Sciences, England

### **GRADUATE STUDENTS:**

- Aseqedech Sirak Metekia (Ethiopian student), 2003, DVM, MS, Prevalence, Pathological Diagnosis and Molecular Study of *Mycobacterium paratuberculosis* in Local Sheep and Goats in Central and Northern Jordan. Currently an Animal Health Advisor, Ministry of Agriculture, Ethiopia.
- Haneen Husni Abu-Ashour, 2003, DVM, MS, Epidemiological and Bacteriological Studies on Enterohaemorrhagic *Escherichia coli* isolated from Human, Calves and Fast Food Samples in Northern and Middle Jordan. a laboratory supervisor, United Arab Emirates.

- Fatinah Nabel Amireh, 2003, DVM, MS, Epidemiological Studies on Pregnancy Toxemia Among Different Breeds of Goats in Jordan. Currently a laboratory supervisor, Ministry of Agriculture, Jordan
- Nazmi Hussain, 2007, DVM, MS, Seroprevalence and Risk factors Associated with PPR in Jordan and Evaluation of the current health delivery systems for small ruminant in Jordan. Currently working in the Central Laboratories, MOA, Jordan.
- Rami Al-Rafai, 2007, DVM, MS, Isolation and Characterization of *Clostridium perfringens* in chickens from Northern Jordan. Currently working with Ministry of Health.
- Nagham Abodi, 2009 (Iraqi student). Epidemiology of Canine Brucellosis and its Public Health Implications in Jordan
- Aseel Mohammad, 2009 (Iraqi student). Characterization of *Salmonella* Isolates from Chicken Products.
- Waf'a Ramadneh, 2012, Epidemiology of Epizootic Hemorrhagic Disease in Cattle from Jordan.
- Zydoun Hijazeen, 2013, Epidemiology of Arboviruses Infection in small ruminant in Jordan with characterization of the virus isolates.
- Ola Mahasneh, 2013, Molecular Characterization of *Staph. aureus* Isolated from Camel Milk.
- Hossam Abedaldaym, 2013, Epidemiology and Characterization of *C. pseudotuberculosis* disease in small ruminants in Jordan
- Fatma Otabi, 2013 (UAE student), Evaluation of Different Serological Assays from Different Sources in Diagnosis of Brucellosis due to *Brucella melitensis* in Camels.
- Peter Holloway, 2015 (British PhD student "as a co-advisor with a professor at Royal Veterinary College, London University"), Epidemiology of Zoonotic Diseases in Southern Jordan with Special Attention to Farmers Knowledge.

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- Government of Ethiopia and Deanship of Scientific Research, Prevalence, Pathological Diagnosis and Molecular Study of *Mycobacterium paratuberculosis* in Local Sheep and Goats in Central and Northern Jordan. Co-investigator, 18000 US dollars
- Higher Council of Science and Technology, Comparison of Subcutaneous and conjunctival routes of Rev-1 vaccination for prophylaxis of *Brucella melitensis* infection in ewes. Principal Investigator, 14000 JD.
- Arab Organization of Agriculture Development, Prevalence of Brucellosis in four animal species in Jordan, Principal Investigator, 15000 US dollar.
- ICARDA, IFAD Small ruminant project, Improvement of livelihood of small ruminants farmers, Health section, Principal Investigator, 2004-2007, 60,000 US dollars.
- International Foundation of Science (IFS), Epidemiological Studies on Camel Brucellosis in Jordan, Principal Investigator, 2005-2007, 11900 US dollars.
- Arab Organization of Agriculture Development, Rift Valley Fever (RVF) surveillance in Jordan, Principal Investigator, 2006-2007, 17000 US dollar.
- Spanish-Jordanian Panel on Cooperation in Scientific Research, Inflammatory response in PPR infected small ruminants, 2009-2010, 44,000 Euro.
- Scientific Research Funds, Ministry of Higher Education, Novel approach for antibiotics discovery, Co-investigator, 182,000 JD.
- USAID, Epidemiology of Epizootic Hemorrhagic Diseases in Cattle, Principal Investigator, 247,000 US dollars.

**REFERENCES:**

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