

# Mohammad A. Jalal

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## Objective

I would like the opportunity to excel in a challenging and thriving working environment whether in academia or industry where I can implement knowledge acquired from my education and past working experience. I aspire to work in an institution or company that will help me expand my horizon, add to my personal skills, be a team player, and be a contributing member to my surrounding community

## Education

**1/2000-12/2003 (Ph.D.)**

**University of Nebraska–Lincoln, NE, USA**

- Ph.D. in Animal Science with emphasis in Poultry Nutrition and minor in Statistics
- Research focused on re-evaluation of current existing mathematical models to predict energy intake of commercial strains of laying hens and the relation between energy requirements and bird cage space allowance
- Graduated with distinction

**8/1997-12/1999 (MS)**

**University of Nebraska–Lincoln, NE, USA**

- MS in Animal Science with emphasis in Poultry Nutrition
- Research focused on looking at effects of phytase enzyme supplementation and heat stress on egg production parameters and nutrient digestibility in laying hens

**9/1988-1/1993 (BS)**

**University of Jordan, Amman, Jordan**

- BS in Animal Production  
Graduated top of graduating class

## Professional Experience

**1/2015-Present Associate Professor of Poultry Nutrition  
University of Jordan, Amman, Jordan**

- Two-way, 50% teaching and 50% research appointment
- Technical supervisor of university poultry facilities
- Teach both undergraduate and graduate level courses

**1/2014-12/2014 Research Associate at University of Alberta  
(Sabbatical Leave)**

- Assist in ongoing research projects
- Part of the research team working with broiler breeder flock on

- precision feeding management system
- Provide supervision and support to graduate students
- Assist with funding proposals and presentations to industry and academia
- Jointly publish research manuscripts
- Provided technical support for Alberta Hatching Egg Producers

**9/2005-12/2013 Associate Professor of Poultry Nutrition  
University of Jordan, Amman, Jordan**

- Two-way, 50% teaching and 50% research appointment
- Technical supervisor of university poultry facilities
- Teach both undergraduate and graduate level courses

**10/2004-8/2005 Assistant Professor of Animal Nutrition  
Jerash Private University, Jerash, Jordan**

- 100% teaching appointment
- Technical supervisor of university poultry facility
- Teaching courses in animal nutrition and poultry production

**4/2004-9/2004**

- Returned home to Jordan in April 2004 and was seeking job opportunities
- Accepted a vacant faculty position at Jerash in June 2004 as an assistant professor of animal nutritionist (commence in 10/04)
- Presented Ph.D. research at World's Poultry Congress (Istanbul, Turkey) and Poultry Science Meetings (St. Louis, Missouri), respectively, during the summer before starting new job

**1/2004-3/2004 Research Technician  
Animal Science Dept., University of Nebraska-  
Lincoln**

- Duties involved assisting in compiling research data and statistical analysis
- Helping with other research trials, and teaching undergraduate classes

**8/1998-12/2003 Graduate Assistant  
Animal Science Dept., University of Nebraska-  
Lincoln**

- Conducting graduate research
- Helping with data analysis and other research trials within poultry group
- Serving as a teaching assistant for undergraduate classes
- Visiting poultry producers on extension trips
- Attending and presenting research at nutrition seminars and annual poultry meetings

**6/1996-7/1997 Export Sales Representative  
Veterinary and Agricultural Products Manufacturing  
Company/ VAPCO**

- Involved in following up with company clients outside Jordan

- Oversee orders and prepare all necessary documents for shipment of company products

**9/1994-5/1996**

- Attended graduate courses in Animal Science at the University of Jordan

**2/1994-8/1994**

**Spare Parts Department  
Sony Corporation, Amman, Jordan**

- Ordering spare parts and overseeing inventory

**6/1994-12/1993**

**Customer Sales Support  
Karama Computer Sales Company**

- Loading software programmes for company clients
- Teaching basic computer skills like DOS and Windows

**2/1993-6/1993**

**Dustour Sports Weekly**

- Writing articles covering European soccer season (as a leisure activity)

**Publications**

- Hayajneh, F. M. F., **Jalal, M.**, Zakaria, H., Abdelqader, A., and Abuajamieh. 2018. Anticoccidial effect of apple cider vinegar on broiler chicken: an organic treatment to measure anti-oxidant effect. *J. Vet. Sci.* 21:361-369.
- Zakaria, H. A., **Jalal, M.**, Al-Titi, H. H., and Souad, A. 2017. Effects of sources and levels of dietary zinc on the performance, carcass, traits, and blood parameters of broilers. *Braz. J. Poultry Sci.* 19:519-526.
- M. J. Zuidhof, D. E. Holm, R. A. Renema, **M. A. Jalal**, and F. E. Robinson. 2015. Effects of broiler breeder management on pullet body weight and carcass uniformity. *Poult. Sci.* 94:1389-1397
- E. S. McLeod, **M. A. Jalal**, and M. J. Zuidof. 2014. Modeling ovarian follicle growth in commercial and heritage Single Comb White Leghorn hens. *Poult. Sci.* 93:2932-2940.
- T. M. A. Taha, H. Zakaria, **M. Jalal**, and S. Bauwens. 2014. Effect of the commercial product Lumance™, a combination of esterified organic acids and plant extracts, on the productive performance of broiler chickens. *J. Appl. Anim. Nutr.* 2 (e14):1-8.
- **M. A. Jalal**, and H. A. Zakaria. 2012. The Effect of Quantitative Feed Restriction during the Starter Period on Compensatory Growth and Carcass Characteristics of Broiler Chickens. *Pakistan J. Nutr.* 11:719-724.
- H. A. Zakaria, **M. A. Jalal**, and M. A. Abu Ishmais. 2010. The Influence of Supplemental Multi-enzyme Feed Additive on the Performance, Carcass Characteristics and Meat Quality Traits of Broiler Chickens. *Int. J. Poult. Sci.* 9:126-133.
- H. A. Zakaria, **M. A. Jalal**, A. S. Jabarin. 2008. Effect of Exogenous

Enzymes on the Growing Performance of Broiler Chickens Fed Regular Corn/soybean-based Diets and the Economics of Enzyme Supplementation. Pakistan J. Nutr. 7:534-539.

- **M. A. Jalal**, S. E. Scheideler, and E. M. Pierson. 2007. Strain Response of Laying Hens to Varying Dietary Energy Levels With and Without Avizyme Supplementation. J. Appl. Poult. Res. 16:289-295.
- **M. A. Jalal**, S. E. Scheideler, and D. Marx. 2006. Effect of Bird Cage Space and Dietary Metabolizable Energy Level on Production Parameters in Laying Hens. Poult. Sci. 85:306-311.
- **M. A. Jalal**, S. E. Scheideler, and D. Marx. 2004. Evaluation of Prediction Equations and Modeling Metabolizable Energy Intake for Commercial Strains of Laying Hens. Poult. Sci. Vol. 83, Suppl. 1.
- **M. A. Jalal**, S. E. Scheideler, and D. Marx. 2003. Effect of Cage Density and Dietary Metabolizable Energy Level on Production Parameters of Laying Hens. Southeastern Poultry Science Proceedings.
- **M. A. Jalal**, S. E. Scheideler, 2002. Evaluation of Metabolizable Energy Intake Prediction Equations under Thermoneutral and Heat Stress Conditions for Laying Hen Strains fed Varying Levels of metabolizable Energy. Poult. Sci. Vol. 81, Suppl. 1.
- **M. A. Jalal**, and S. E. Scheideler, 2001. Effect of Supplementation of Two Different Sources of Phytase on Egg Production Parameters in Laying Hens and Nutrient Digestibility. Poult. Sci. 80:1463-1471.
- **M. A. Jalal**, S. E. Scheideler, and E. Pierson. 2001. Strain Response of Laying Hens to Varying Energy with and without Enzyme Supplementation, Southeastern Poultry Science Proceedings.
- **M. A. Jalal**, S. E. Scheideler, and E. Pierson. 2000. The Effect of Phytase Supplementation on the Performance of Two Strains of Laying Hens under Heat Stress. Poult. Sci. Vol. 79, Suppl. 1.
- **M. A. Jalal**, S. E. Scheideler, and C. Wyatt. 1999. The Effect of Phytase Supplementation on Egg Production Parameters and Amino Acid Digestibilities in Laying Hens. Poult. Sci. Vol. 78, Suppl. 1.
- **M. A. Jalal**, 1998. Phytase Supplementation in Layer Diets and its Environmental Implications, Nebraska Poultry Report.
- **M. A. Jalal**, 1992. BSE (Mad Cow Disease), Association of Agricultural Engineers Periodical, Amman, Jordan.

### **Courses Taught**

- Introductory Animal Science
- Poultry Production
- Poultry Farm Management
- Broiler Breeder Production
- Poultry Nutrition
- Senior Level Seminar
- Advanced Poultry Nutrition (Graduate Level)

### **Professional Memberships**

- Member of Poultry Science Association
- Member of WPSA-UK Branch
- Associate editor for the nutrition section of Journal of Poultry Science (2004-2011)
- Associate editor for the Jordan Journal of Agricultural Sciences (since 2005)

**Awards received**

- John Hallman Memorial Award (2003): This award is presented to annually to a graduate student in recognition of ones excellence as graduate teaching assistant in the Animal Science Department. In 2003, was the first time that the award recipient was an international student and not an American citizen.
- Maurice Stein Fellowship Award (2003): This award is presented by the Poultry Science Association to a graduate student with outstanding academic credentials and whose research has contributed to the advancement of the egg laying industry in the US.
- Mussehl Graduate Animal Science Scholarship (2003): Award presented annually by the Animal Science Department to outstanding graduate students conducting research in Poultry Science.
- Wideman Trust Distinguished Graduate Student Award (2002): An annual fellowship award presented by the Collage of Agriculture and Natural Resources at the University of Nebraska-Lincoln to graduate students within the collage. Four recipients are selected each year among graduate students who are nominated for the award by their respective departments based on their academic and research excellence.
- Mussehl Graduate Fellowship (2002): An award presented by the Nebraska Poultry Industries at their annual meeting to graduate students whose research has helped thrive the poultry industry in the state of Nebraska.
- Hubbard Feeds Inc., Animal Science Society, Graduate Student Award (2001): Hubbard Feeds awards each year prize money to outstanding three graduate students conducting research in ruminant and monogastric nutrition. The accolades are usually presented at the annual meetings of the American Society of Animal Science.
- Certificate of Excellence for Poster Presentation in Nutrition Section at the annual Poultry Science Association Meetings, Springdale, Arkansas (1999): Each year at the annual Poultry Science, certificates of excellence are awarded to graduate student with outstanding oral and/or poster presentations in various poultry research disciplines (Nutrition, Physiology, Pathology, Poultry Products and Processing, Education and Extension, and Behavior and Welfare).

**Languages**

Proficient in both spoken and written Arabic and English and a basic knowledge of French

**Travels**

Canada, Egypt, Germany, Italy, Jordan, Lebanon, Malaysia, Netherlands, Spain, Syria, Turkey, United Arab Emirates, United Kingdom, and United States of America

**Community Activities**

- Former Vice President of Animal Science Graduate Students Association at University of Nebraska-Lincoln during the academic year 2001-2002

- Founding member of the National Orthodox School Alumni Association in Amman
- Member of Poultry Science Association
- Member of World's Poultry Science Association/UK Branch
- Member of the Jordan Environment Society