



Mai Muhammad Numair, PhD

 Alexandria, Egypt

Lecturer of Poultry Breeding

Department of Animal and Poultry Production

Faculty of Agriculture

Damanhour University

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PROFESSIONAL PROFILE

Dedicated Lecturer and Researcher with a Ph.D. degree, and over 14 years of higher education and scientific research experience, and a faculty member since 2012. Proven track record in designing and delivering university-level curricula, supervising academic research, and conducting advanced quantitative studies in poultry science. Expert in statistical modeling, experimental methodology, and bridging rigorous scientific research with modern livestock management practices.

PROFESSIONAL EXPERIENCE

Lecturer of Poultry Breeding

Animal and Poultry Production Department | Faculty of Agriculture | Damanhour University

November 2023 – Present

Damanhour, Beheira, Egypt

Assistant Lecturer

Animal and Poultry Production Department | Faculty of Agriculture | Damanhour University

April 2017 – November 2023

Damanhour, Beheira, Egypt

Demonstrator

Animal and Poultry Production Department | Faculty of Agriculture | Damanhour University

July 2012 – April 2017

Damanhour, Beheira, Egypt

EDUCATION

Ph.D. in Agricultural Sciences

Damanhour University

August 2017 – August 2023

- **Specialization:** Poultry Production
- **Thesis Title:** Selection for Body Weight and Its Association with the Expression of Growth Hormone Gene in White Japanese Quails (*Coturnix coturnix Japonica*)

Master of Sciences in Agricultural Studies

Damanhour University

January 2012 – April 2017

- **Specialization:** Poultry Production
- **Thesis Title:** The effect of quantitative feed restriction on productive, physiological and immunological traits of three chicken genotypes

Bachelor of Sciences in Agricultural Studies

Damanhour University

September 2007 – June 2011

- **Major:** Animal and Poultry Production
- **Cumulative Grade:** Excellent with Honors degree (86.56%)

PUBLICATIONS

Habashy, W. S., Amrabit, A. A., El-Tahawy, W. S., & Numair, M. M. (2026). Impact of Crossing Golden Sabahia and White Leghorn Chickens on Performance Traits: An Analysis of Heterosis, Additive Effects, and Performance Curves. *Acta Scientiarum. Animal Sciences*, 48, e75474.

Habashy, W. S., El-Tahawy, W. S., Abdel-Rahman, M. M., Madkour, M., Alqhtani, A. H., Alharthi, A. S., ... & Numair, M. M. (2025). Strain-specific responses to heat stress: egg quality and oviductal gene expression in laying hens. *Italian Journal of Animal Science*, 24(1), 1832-1843.

Numair, M. M., Eltahawy, W. S., Abdel-Rahman, M. M., & El-Raffa, A. M. (2023). Genetic improvements for productive performance of white Japanese quail under selection program. *Journal of Agricultural and Environmental Sciences*, 22(1), 285-308.

Attia, Y. A., Abd-Elhamid, A. E. E., Mustafa, M., Al-Harhi, M. A., & Muhammad, M. (2017). Response of slow-growing chickens to feed restriction and effects on growth performance, blood constituents and immune markers. *Revista mexicana de ciencias pecuarias*, 8(2), 175-184.

ACADEMIC ACTIVITIES

- Participate in Delivering College Courses for undergraduate and graduate students in poultry production and breeding.
- Supervise and evaluate graduation projects for fourth-year undergraduate students.
- Collaborate with department teaching staff in authoring, revising, and updating course textbooks and instructional in alignment with academic standards.
- Supervise field and practical training for third-year undergraduate students.
- Participate in university-organized veterinary convoys, professional training courses, and specialized workshops.

TEACHING ACTIVITIES

Undergraduate Courses:

- (05128) Principles of Poultry Production
- (05443) Statistical in Animal, Poultry and Fish Production
- (05427) Husbandry and Production of Secondary Birds
- (05423) Technology of Broiler Production
- (05425) New Trends in Poultry Sciences
- (05430) Poultry Breeding and Improvement

- (05424) Technology of Layer Production
 - (05457) Quality and Biosecurity
 - (05431) Incubation and Chick Production
 - (05320) Husbandry and Production of Rabbits
 - (05417) Graduation Project
 - (05350) Field Training
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RESEARCH EXPERIENCES

- DNA & RNA Extraction, Primer Design, PCR Amplification, Gene Expression and Gel Electrophoresis of poultry tissues
 - Poultry growth trials, phenotyping, and production performance assessment.
 - Comprehensive experience in biological experimental design, data management, statistical visualization, and empirical result interpretation.
 - Performed complex statistical modelling and variance component estimation utilizing SAS, GraphPad and VCE6 to evaluate quantitative genetic traits and performance metrics.
 - Histological, haematological, antioxidant and immune analysis.
 - Determination of some Nutrients on feed samples by chemical analysis (Moisture, Ash, Protein, Fat, Fiber and Soluble Carbohydrates).
 - Comprehensive literature reviews, manuscript drafting and preparation, peer-reviewed journal publishing, and technical reporting.
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RESEARCH INTERESTS

- Genetic evaluation and improvement of meat and egg production traits in chickens and Japanese quail.
 - Development of Specialized Meat and Egg Poultry Breeds Using Traditional and Modern Methods
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ADMINISTRATIVE POSITIONS

- **Secretary of the Animal and Poultry Production Department Council**
August 2026 – Present
 - **Member of Animal and Poultry Production Department Council**
July 2025 – Present
 - **Ibn Al-Haytham System Coordinator for Animal and Poultry Production Department**
February 2026 – August 2026
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TRAINING AND CERTIFICATION

- **Research Methods**, Damanhour University, Jan 2012
- **Research Ethics**, Damanhour University, Feb 2012

- **Effective Presentation Skills**, *Damanhour University*, Sep 2014
 - **Communication Skills**, *Damanhour University*, Oct 2015
 - **Quality Standards in Education Process**, *Alexandria University*, Nov 2016
 - **Use of Technology in Teaching**, *Damanhour University*, Aug 2021
 - **International Data Base Usage**, *Damanhour University*, Nov 2021
 - **Biostatistical Analysis**, *Damanhour University*, Jul 2022
 - **References Research Management Systems**, *Damanhour University*, Aug 2022
 - **Fundamentals of Digital Transformation**, *Damanhour University*, Nov 2022
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CONFERENCES AND WORKSHOPS

- **HSS Publishing Excellence: Fundamentals of Publishing Ethics**, July 15, 2026, Taylor and Francis Group, Webinar.
 - **HSS Publishing Excellence: Responsible Use of AI in Writing and Publishing**, July 22, 2026, Taylor and Francis Group, Webinar.
 - **BioVisionAlexandria Conference: “New Life Sciences: The Next Decade”**, April 7 – 9, 2014, Bibliotheca Alexandrina, Egypt.
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MEMBERSHIPS

- **Egyptian Poultry Science Association.**
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LANGUAGES

- **Arabic:** Native
- **English:** Fluent