

# Academic Curriculum Vitae



## Personal Information:

Full Name: **Prof. Dr. Mahbuba Abdulghani Mustafa**

Academic Title: Professor

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## Education:

**Degrees:** MSc. in Agricultural Sciences \ General Avian Physiology/ Baghdad University- Iraq, 2002. The Thesis about (effect of different levels of dehydrated alfalfa meal uses on productive and physiological traits of White Leghorn layers during summers)

**PhD.** in Agricultural Sciences\ Avian Physiology/ Baghdad University- Iraq, 2007. The Thesis about (Effect of Magnetic Technology of water treatment on productive and physiological performance of embryos, broiler breeders' and hatched chicks in different climates).

## Employment:

- **Agronomist in Animal Resources Dept. / College of Agricultural Engineering Sciences / Salahaddin University-Erbil from 1997-2000.**
- **Assist lecturer in Animal Resources Dept. from 2002- 2007.**
- **Lecturer in Animal Resources Dept. from 2008- 2011.**
- **Assist prof in Animal Resources Dept. from 2012- 2018.**
- **Professor in Animal Resources Dept. from 2018- till now.**

## Qualifications

- Teaching qualifications/ Salahaddin University- Erbil.

- IT qualifications/ Salahaddin University-Erbil 2009, Baghdad University 2021, Baghdad University 2004.
- Language qualifications IELTS in Erbil.
- Diploma in Turkish language 1995.
- Physiology course (USA) in college of science- Erbil

## **Teaching experience:**

- Avian physiology
- Animal physiology
- Animal welfare and behaviour
- Poultry Immunity
- Endocrine physiology
- Hematology

## **Research and publications**

**1. Effect of dehydrated alfalfa meal on some semen characteristics of White Leghorn males reared during summer season. The Iraqi Journal of Agricultural Science, 37 (1): 173-180, 2006.**

**2. Effect of feeding White Leghorn layers different levels of dehydrated alfalfa meal on some physiological characteristics and maternal acquired immunity of hatched chick in high temperature. The 1st Scientific Conference of Iraqi Poultry Science Association in Sulaymania. Vol (2) No. 2. 2007.**

**3. Effect of magnetically treated water as humidity source in hatchery on embryonic development and hatches for eggs had taken from broiler breeders treated with magnetically water. Iraqi Poultry Science Association. Vol (3) 2008.**

**4. Effect of magnetically treated water on production traits & egg quality of broiler breeders Cobb-500 during Summer. Iraqi Poultry Science Association. Vol (4) 2009.**

**5. Effect of magnetically treated water on productive performance of broiler chickens under heat stress in Summer. The 3rd Conference of Iraqi Poultry Science Association in Kufa 2010.**

**6. Effect of inovo injection of glutamine on hatching, ileum histological and blood traits for hatched chicks. Duhok 1st Conference in April 2012.**

**7. Effects of Magnetically Treated Water on Male Sexual Traits in Broiler Breeder During Hot Climate in Summer. Mesopotamia Agriculture Journal, Vol.40, No. 4, 2012.**

**8. Effect of lysine, methionine and its mixture Injection in broiler breeder eggs in physiological and immunological traits after hatching. Anbar Agriculture Journal, Vol.10, No. 1, 2011.**

- 9. Effect of Diet Supplementation with Anise Seed and Oil on Production performance and egg quality of Broiler Breeder. Anbar Agriculture Journal, Vol.10, No. 1, 2011.**
- 10. كتغذية مبكرة في الأداء الإنتاجي لفروج اللحم (براءة اختراع)- 2011 ( Synbiotic ) تأثير استخدام الخليط التآزري.**
- 11. تأثير استخدام التقنية المغناطيسية في الصفات الإنتاجية والنوعية لبيض أمهات فروج اللحم وعلى صفات الفقس والتطور الجنيني وبعض الصفات ما بعد الفقس (براءة اختراع)- 2012.**
- 12- Effect of different levels of Sumac and garlic on productive and physiological characteristics in broiler chickens. Mesopotamia Journal of Agriculture. Vol (40), No. (3), 2012.**
- 13- Glucose-D in ovo injection effects on hatching, blood and immunological characteristics for quail chicks. Mesopotamia Journal of Agriculture. Vol (40), No. (3), 2012.**
- 14- Using of Dried Betony and peppermint in Broiler Diets on Performance, Hematological and Immunity Response. Diyala Agricultural Science Journal, Vol (5), No. (2), 2013.**
- 15. Effect of adding acetic acid in drinking water on reproductive, blood and small intestine histological traits in broiler chickens. Diyala Agricultural Science Journal, Vol (6), No. (1), 2014.**
- 16- A comparison of performance, reproductive and physiological traits of three different lines of local quail. Journal of University of Duhok the 2<sup>nd</sup> Scientific Agricultural Conference Vol (19) No. (1), 2016.**
- 17- Effect of Functional Feed Additives on Egg Production, Hatchability and Hematological Traits of Japanese Quails During Summer Condition. The Iraqi Journal of Agricultural Science, Vol. 48, No. Special, 2017.**
- 18- Effect of High Protein DDGS Uses on Productive Performance, Physiological and Immunological Traits of Broiler. Diyala Agricultural Scientific Journal, Vol. (9), No. (2), 2018.**
- 19- The effect of heat stress on oxidative stress and antioxidant status in local quail hens supplemented with onion and garlic oils. Tikrit Agricultural Scientific Journal, Vol. (19), No. (1), 2019.**
- 20- impact of ginger powder supplementation in broiler diet on the immune statue development and small intestine morphology. Basra Journal of Veterinary Research, vol. 17 (2), 2018.**
- 21- Effect of eucalyptus leaves and its supplementation with diet on broiler performance, microbial and physiological statues to alleviate cold stress. The Iraqi Journal of Agricultural Science, (2019) 50(1): 953-963.**
- 22- Application of magnetic technology in local quail house and hatchery on performance, reproductive and physiological traits under heat stress. Iraqi Journal of Veterinary Sciences, Vol. 33, No. 2, 2019 (259-266)**
- 23- Effect of calcium and Cole vit D3 in ovo injection on hatchability, bone and blood biochemical development at posthatch. Iraqi Journal of Agricultural Sciences -2019:50(3):850- 856.**

- 24- Effects of Optifeed® and Oleobiotec® on broiler performance and immunity. International Journal of Advances in Science Engineering and Technology, Volume-7, Issue-4, Oct.-2019,**
- 25- The dietary impact of clove and cinnamon powders and oil supplementations on the performance, ileum morphology, and intestine bacterial population of quails. Plant Archives Vol. 20, No. 1, 2020 pp. 1503-1509.**
- 26- Effect of bay leaf (*Laurus nobilis L.*) Powder and Oil Additives on Reproductive Performance and some hormones indicators of Quails. Tikrit Journal for Agricultural Sciences -2020:20(1).**
- 27- The impact of powders and oil additives of cinnamon and clove in quail diet as antistressor and antioxidant during hot months. Iraqi Journal of Agricultural Sciences –2020:51(2).**
- 28- Impact of adding serotonin, tryptophan and Optifeed in drinking water on broiler behavior, performances growth and some biochemical traits of blood. Mesopotamia J. of Agric. Vol. (48) No. (4) 2020.**
- 29- Evaluation of Morning and Evening Milk Traits in Some Dairy Animals in Erbil City. Tikrit Journal for Agricultural Sciences (2021) 21 (3):75-81.**
- 30- The effectiveness of some medicinal plants on body performance, hematological, ileum morphology and immune statue of Japanese quail. The Iraqi journal of Agricultural Sci. vol. 53, Issue 5, 2022.**
- 31- Impact of magnetically treated water on milk traits and blood biochemical changes of Awassi ewes during pre- and post-partum. Tikrit Journal for Agricultural Sciences (2023) 23 (1):1-11.**
- 32- The incidence of adding Ginkgo biloba and Curcumin extracts in drinking water on Body growth, hematological and immune statues of New Zealand White rabbit. Tikrit Journal for Agricultural Sciences (2023) 23 (1):17-24.**

## **Conferences and courses attended**

- Give details of any conferences you have attended, and those at which you have presented delivered poster presentations.
- **1- 1st Scientific Conference of Iraqi Poultry Science Association in Sulaymania. 2007.**
- **2- The 3rd Conference of Iraqi Poultry Science Association in Kufa 2010.**
- **3- The 3rd Conference of University of Mosul/ College of Agriculture & Forestry, 2012.**
- **4- The 1st Conference of Agricultural College/ University of Duhok. April 2012.**
- **5- The 2nd Conference of Diyala University/ College of Agricultural. December, 2013.**
- **6- APPC 2014 the 10th Asia pacific poultry conference. Seoul, Korea, 2014. (poster).**
- **7- The 1st Conference of Agricultural College/ University of Duhok. April 2012.**
- **8- The 2nd Conference of Iraqi Forum Inventors. Sulaimanyi University. May, 2017.**
- **9- PSA Annual Meeting – Orlando World Center Marriott. Orlando-Florida- USA, 17-20, July 2017. (Accepted)**
- **10- Effects of Optifeed® and Oleobiotec® on broiler performance and immunity.**

## Funding and academic awards

### Patents:

- 1- 2011- تأثير استخدام الخليط التآزري ( Synbiotic ) كتغذية ميكرة في الأداء الإنتاجي لفروج اللحم (براءة اختراع)
- 2- تأثير استخدام التقنية المغناطيسية في الصفات الإنتاجية والنوعية لبيض أمهات فروج اللحم وعلى صفات الفقس والتطور الجنيني وبعض الصفات ما بعد الفقس (براءة اختراع)- 2012

### Prizes:

- 1- 2013 - جائزة الأبداع العلمي – وزارة التعليم العالي والبحث العلمي –جمهورية العراق.
- 2- 2017 (Golden medallion) الميدالية الذهبية / منتدى المخترعين العراقيين بالتعاون مع جامعة السليمانية.
- 3- 2019- (Golden medallion) / منتدى المخترعين العراقيين بالتعاون مع الجامعة الأمريكية في السليمانية.

## Professional memberships

- IFAD platform.
- ARID platform.
- Association of Agricultural Engineers.

## Professional Social Network Accounts:

- **link of ResearchGate,**  
<https://www.researchgate.net/profile/Mahbuba-Mustafa>
- **Google Scholar link**  
[cholar.google.com/citations?hl=en&user=pMSLeFwAAAAJ&view\\_op=list\\_works&gmla=AJsN-F6AA-xkhJIAANONMYCp6VQSGalKtyIQMIjHG5TDQt4MZemqC\\_iZ3BC9IQoCmG0PMS0RCRmPG2ldXpWkho4rTtqLW-YIS0vqnefl2URpYLYAB48UDk](https://scholar.google.com/citations?hl=en&user=pMSLeFwAAAAJ&view_op=list_works&gmla=AJsN-F6AA-xkhJIAANONMYCp6VQSGalKtyIQMIjHG5TDQt4MZemqC_iZ3BC9IQoCmG0PMS0RCRmPG2ldXpWkho4rTtqLW-YIS0vqnefl2URpYLYAB48UDk)
- **ORCID link:**  
<https://orcid.org/0009-0005-1808-506X>