



## ***CV of the Research Group Member (CO-PI)***

<b>Name</b>	Mohamed A. Al-Harhi
<b>University id</b>	00002562
<b>National / Igama Id</b>	Saudi/ 1020041500
<b>Researcher id</b>	D-4644-2013
<b>Academic Position</b>	Professor
<b>College/Center</b>	Environmental Sciences
<b>Department</b>	Agriculture Science
<b>E-mail</b>	<a href="mailto:malharhi@kau.edu.sa">malharhi@kau.edu.sa</a>
<b>Institution</b>	King Abdulaziz University
<b>Mobile</b>	0568575961

### GENERAL INFO

**Address:** Department of Agriculture, Faculty of Environmental Sciences, King Abdulaziz University, P. O. Box 80208, Jeddah 21589, Saudi Arabia.

**Personal Data** (Date and place of birth, family status):

**Date of birth:** 12/11/1963, Al-Taif, Saudi Arabia

**Family status:** Married and have 4 children.

### EDUCATION

- B. Sc. 1988
- Ph.D., 1997 University of Adnbra, UK.

### PRESENT POSITIONS

Department of Agriculture, Faculty of Environmental Sciences, King Abdulaziz University, P. O. Box 80208, Jeddah 21589, Saudi Arabia.

### AWARDS AND HONORS



1. King Abdulaziz University award for scientific publication and citations awards, 2008-2020.
2. Principle Investigators for annual Projects funded by King Abdulaziz University during 2008-2020.
3. Principle Investigators for project "Development and evaluation of some national unconventional sources for compound poultry feed formulation, AR:29-299" funded by King Abdulaziz City for Science and Technology.
4. Principle Investigators for project " Efficacy of palm leaves as a new bedding material for reduction pathogens on live broilers, AT:30-21", funded by King Abdulaziz City for Science and Technology.
5. Principle investigator for project funded by King Abdulaziz City for Science and Technology 2014 KACST Saudi Arabia, under the grant no. AT 35-120, entitled (Increasing the utilization of mesquite Prosopis Juliflora as untraditional feed supply for poultry by Autoclave and feed additives). Finished and final report was approved)

## MEMBERSHIPS

- 1- World Poultry Science Society.
- 2- Egyptian Poultry Science Society.

## APPOINTMENTS

- Associate Lecturer of Poultry Production, Department of Arid Land Agriculture, Faculty of Meteorology, environment and Arid Land Agriculture, King Abdulaziz University March 1989.
- Lecture of Poultry production (November, 1997), Department of Arid Land Agriculture, Faculty of Meteorology, environment and Arid Land Agriculture.
- Associate Professor of Poultry Nutrition (March, 2002), Department of Arid Land Agriculture, Faculty of Meteorology, environment and Arid Land Agriculture.
- Professor of Poultry physiology and nutrition October, 2007), Department of Arid Land Agriculture, Faculty of Meteorology, environment and Arid Land Agriculture.
- Vice Dean for Faculty of Meteorology, environment and Arid Land Agriculture, November. 2004 to November 2012.

## MAIN RESEARCH OR TECHNOLOGY TOPICS

1. Alternative fed local resource for poultry feeding.
2. Improving the utilization of low quality feedstuffs by different treatments and supplementation.
3. Alternative to antibiotic.



4. Energy utilization by broilers and layers.
5. Reduce the negative impact of heat stress on bird's performance.
6. The effect of Vit. E, and C on poultry performance.

## COLLABORATION

- 1- University of Adnbra, UK.
- 2- King Soud University, Saudi Arabia .
- 3- King Faisal University, Saudi Arabia.
- 4- Department of Poultry Sci, Alexandria University, Egypt.
- 5- Department of Animal and Poultry Production, Damanhour University, Egypt.

## PUBLICATIONS AND JOURNALS

(Total Number of publication= 100 of which 68 were published in ISI previewed journals, the others were published in local and international previewed journals and international conferences and congress. These included 20 Journals of which there were 16 ISI journals.

### **RECENT RELEVANT 2018-2021**

1. Attia, Y.A., Maria Cristina de Oliveira, Abd El-Hamid Elsayed Abd El-Hamid, Mahammed Abdulaziz Al-Harthi, Abdulaziz Alaql, Nagah Abd El-Menam Mohamme (2021). Cyclical heat stress and enzyme supplementation affect performance and physiological traits of Japanese quail during the early stage of laying Animal Science Papers and Reports vol. 39 (2021) no. 1, 89-100-Q3
2. Attia Y.A., M.A. Al-Harthi, S. Sh. Hassan (2021). Responses of broiler chicken to different oil levels within constant energy levels from 20 to 40 days of age under hot weather conditions. Italian J Animal Science 20, 664–676, <https://doi.org/10.1080/1828051X.2021.1906169>-Q1
3. Attia Y. A., Fulvia Bovera, M. A. Al-Harthi, Abd El-Razek E. Tag El-Din, and Walaa Said Selim (2021). Supplementation of microbial and fungal phytases to low protein and energy diets: effects on productive Agriculture 2021, 11, 414. <https://doi.org/10.3390/agriculture 11050414> , Q2
4. Attia Y.A., Fulvia Bovera, Abd El-Hamid E. Abd El-Hamid, Mohammed A. Al-Harthi, Mohamed A. Mandour, Saber Sh. A. Hassan (2021). Growth Performance, Meat Quality, Blood Constituents and Welfare Status of Male Japanese Quail's allowed Different Housing Space Fortified with Vitamin E and/or Chromium Chloride. JKAU: Met., Env. & Arid Land Agric. Sci., Vol. 30 No. 1, pp: 53 – 65, doi: 10.4197/Met. 30-1.5 53
5. Attia Y.A., Fulvia Bovera, Abd El-Hamid E. Abd El-Hamid, Mohammed A. Al-Harthi, Mohamed A. Mandour, Saber Sh. A. Hassan (2021). Effect of Housing Density, Dietary Vitamin E and/or Chromium Chloride on Laying Performance, Egg Quality, Reproductive Traits, and Welfare Status



- of Japanese Quail Hens. JKAU: Met., Env. & Arid Land Agric. Sci., Vol. 30 No. 1, pp: 39 – 52, doi: 10.4197/Met. 30-1.4
6. Al-Harthi Mohammed A., Youssef A. Attia, Ali S. Al-Shafey, and Mohamed F. El-Gendy (2020). Impact of phytase on improving the utilisation of pelleted broiler diets containing olive by-products. Ita J Animal Sci. 19: 310-318. DOI:1828051/10.1080 X.2020.1740896
  7. Attia, Y.A., M. A. Al-Harthi, M.M. Korish and M.A. Shiboob (2020). Protein and Amino Acid Content In Four Brands Of Commercial Table Eggs In Retail Markets in Relation to Human Requirements. Animals 10, 406, doi:10.3390/ani10030406
  8. Attia Youssef A., Mohammed Al-Harthi, Mahmoud El-kelawy and Ali Al-Shafy, (2020). Impact of Multienzymes Dose Supplemented Continuously or Intermittently in Drinking Water on Growth Performance, Nutrient Digestibility, and Blood Constituents of Broiler Chickens. Animals 2020, 10, 375, doi:10.3390/ani10030375, 14 pages
  9. Attia Y. A., Mohammed Al-Harthi and Ali Al-Shafy, (2020). Influence of Different Time and Frequency of Multienzyme Application on the Efficiency of Broiler Chicken Rearing and Some Selected Metabolic Indicators. Animals 2020, 10, 450, doi:10.3390/ani10030450
  10. Attia Y.A., H. Al-Khalaifah, H. S. Abd El-Hamid, M.A. Al-Harthi and A.S. El-Shafey (2020). Growth performance, digestibility, intestinal morphology, Carcass traits and meat quality of broilers fed marginal nutrients deficiency-diet supplemented with different levels of active Yeast. Livestock Science 223, 2020, 103945, 1-10, <https://doi.org/10.1016/j.livsci.2020.103945>
  11. Attia, Y.A., H. Al-Khalaifah, H.S. Abd El-Hamid, M.A. Al-Harthi, and A.S. El-shafey, (2020) Effect of different levels of multi-enzymes on immune response, blood hematology and biochemistry, antioxidants status and organs histology of broiler chicks fed standard and low-density diets. Front. Vet. Sci. 2020, 6:510. doi: 10.3389/fvets.2019.00510
  12. Attia Y.A., F. Bovera, F. Iannaccone. A. Al-Harthi, A. A. Alaql, H.S. Zeweil, A. Erfat (2020) Microbial and Fungal Phytases Can Affect Growth Performance, Nutrient Digestibility and Blood Profile of Broilers Fed Different Levels of Non-Phytic Phosphorous. Animals 2020, 10, 580, doi:10.3390/ani10040580
  13. Attia Y. A., M.A. Al-Harthi and H. A. M Abo El-Maaty (2020). The effects of different oil sources on performance, immunological, and physiological traits. Front. Vet. Sci. 7:181. doi: 10.3389/fvets.2020.00181
  14. Attia, Y. A., Fulvia Bovera, M. A. Al-Harthi, J. Wang, Woo K. Kim (2020). Multiple amino acid supplementations to low dietary protein diets: effect on performance, carcass yield, meat quality and nitrogen excretion of finishing broilers under hot climate conditions Animals 2020, 10, 973, doi:10.3390/ani10060973
  15. Attia Y. A., M.A. Al-Harthi and H. A. M. Abo El-Maaty (2020). Calcium and cholecalciferol levels on late phase-laying hens' diets: effects on productive and egg quality traits, blood biochemistry and immune responses. Front. Vet. Sci. 7:389. doi: 10.3389/fvets.2020.00389
  16. Attia Y. A., Mahmoud Alagawany, Mayada R. Farag, Asmaa F. Khafaga, Abdel-Moneim E. Abdel-Moneim, Khalid A. Asiry, Noura M. Mesalam, Manal E. Shafi, Mohammed A. Al-Harthi,



- Mohamed E. Abd El-Hack (2020). Phytogetic products and phytochemicals as a candidate strategy to improve tolerance to COVID-19. *Front. Vet. Sci.* Accepted
17. Attia Y. A., Mohammed A. Al-Harthi, Mahmoud I. El-Kelway (2019). Utilization of essential oils as natural growth promoter for broiler chickens. *Ita J Anim. Sci* (2019) 18: (1), 1005–1012 <https://doi.org/10.1080/1828051X.2019.1607574>.
  18. Attia, Y. A., Rawia S. Hamed, Fulvia Bovera, Mohammed A. Al-Harthi, Abd El-Hamid E. Abd El-Hamid, Luigi Esposito, Hossam A. Shahba. (2019). Milk thistle seeds and rosemary leaves as rabbit growth promoters *Animal Science Papers & Reports* . 2019, Vol. 37 Issue 3, p277-295. <https://www.cabdirect.org/cabdirect/FullTextPDF/2019/20193419450.pdf>
  19. Al-Harthi M.A., Y.A. Attia and M.F. Elgandy (2019). The effect of pelleting and enzyme supplementation on performance, carcass and blood parameters of broilers fed on different concentrations of olive cake. *Europ.Poult.Sci.*, 83. 2019, ISSN 1612-9199. DOI: 10.1399/eps.2019.280. <https://www.european-poultry-science.com/The-effect-of-pelleting-and-enzyme-supplementation-on-performance-carcass-and-blood-parameters-of-broilers-fed-on-different-concentrations-of-olive-cake,QUIEPTYyMjEyNjgmTUIEPTE2MTAxNA.html>.
  20. Attia Y.A., Mohammed A. Al-Harthi and Asmaa Sh. Elnaggar (2018). Productive, physiological and immunological responses of two broiler strains fed different dietary regimens and exposed to heat stress. *Ita J. of Animal Science*, 2018: 17(3):686-697. <https://doi.org/10.1080/1828051X.2017.1416961>. <https://www.tandfonline.com/doi/abs/10.1080/1828051X.2017.1416961>.
  21. Attia Y.A., A.E. Abd El-Hamid, M.C. de Oliveira, K.I. Kamel, E.M. Qota, M.A. Al-Harthi and T.A. Sadaka (2018). Soya lecithin and season affect the productive performance, nutrient digestibility, and blood constituents of growing rabbits. *J. of Animal and Feed Sciences*, 26, 2017, <https://doi.org/10.22358/jafs/80344/2017>. <http://www.jafs.com.pl/Soya-lecithin-and-season-affect-the-productive-performance-nnutrient-digestibility,80344,0,1.html>
  22. Al-Harthi M. A., Y.A. Attia, A. Al-sagan, M. F. Elgandy (2018). Nutrients profile, protein quality and energy value of whole prosopis pods meal as a feedstuff for poultry feeding. *Ita Journal of Animal Science*, 2018, 17 : <https://doi.org/10.1080/1828051X.2018.1464889>.
  23. Attia, Y.A., A. E. Abd El Hamid, A.M. Ismaiel and Asmaa. Maria C de Oliveira, Mohammed A Al-Harthi, Asmaa Sh. El- Naggar and G. A Simon (2018). Nitrate detoxification using antioxidants and probiotics in the water of rabbits. *Revista Colombiana De Ciencias Pecuarias (RCCP)*, 2018, 31(2):130-138. <https://aprendeenlinea.udea.edu.co/revistas/index.php/rccp/article/view/328989>.
  24. Al-Harthi M. A., Y.A. Attia, A. Al-sagan, M. F. Elgandy (2018). The effects of autoclaving or/and multi-enzymes complex supplementation on performance, egg quality and profitability of laying hens fed whole *Prosopis juliflora* pods meal diet *Europ. Poult. Sci.*, 82. 2018, 15 pages, doi: 10.1399/eps.2018.248 <https://www.european-poultry-science.com/The-effects-of-autoclaving-or-and-multi-enzymes-complex-supplementation-on-performance,egg-quality-and-profitability-of-laying-hens-fed-whole-Prosopis-juliflora-pods-meal-diet> . [QUIEPTU4MDUwNzQmTUIEPTE2MTAxNA.html](https://www.european-poultry-science.com/The-effects-of-autoclaving-or-and-multi-enzymes-complex-supplementation-on-performance,egg-quality-and-profitability-of-laying-hens-fed-whole-Prosopis-juliflora-pods-meal-diet,QUIEPTU4MDUwNzQmTUIEPTE2MTAxNA.html).



25. Attia Y.A., F. Bovera, M. A. Al-Harhi, A. E. Tag El-Din, and W. Selim (2018). Effect of phytases on performance, nutrient digestibility and blood profiles of meat-type chickens fed low-density diets. Poultry Science 97 (E Supplement 1), (Abst.204). Page 86, Book of Abstract of 2018, 107th Poultry science Annual Meeting, Poultry Science Association, July 23–26, 2018 San Antonio, Texas, USA. <https://www.poultryscience.org/psa18/abstracts/2018-PSA-Abstracts.pdf?v2>.
26. Attia, Y. A., El-Tahawy W. S., Abd El-Hamid A. E., Nizza A., Bovera F., Mohammed A. Al-Harhi and El-Kelway M.I. (2018). Effect of feed form, pellet diameter and enzymes supplementation on growth performance and nutrient digestibility of broiler during days 21-37 of age. Engormix, Poultry Industry, <https://en.engormix.com/poultry-industry/articles/effect-feed-form-pellet-t42559.htm#>.
27. Attia, Y. A., Fulvia Bovera, Abd El-Hamid E. Abd Elhamid, Serena Calabrò, Mohamed A. Mandour, Mohammed A. AlHarhi and Sabar S. Hassan (2019). Evaluation of the carryover effect of antibiotic, bee pollen and propolis on growth performance, carcass traits and splenic and hepatic histology of growing rabbits. J Anim Physiol Anim Nutr (Berl). 2019,103(3):947-958. doi: 10.1111/jpn.13068. Epub 2019 Feb 3. <https://www.ncbi.nlm.nih.gov/pubmed/30714248>.