

PERSONAL INFORMATION



**DR. HAFIZ ISHFAQ
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PERSONAL STATEMENT:

A self -motivated individual with excellent teamwork skills combined with the discipline to work extremely well on his own if required. Strong organizational and communication skills involving the ability to disseminate information and knowledge whilst listening and putting into practice advice and instructions.

EDUCATION AND TRAINING

Title of Qualification

Awarded Doctor of Philosophy (Animal Genetics, Breeding and Reproduction)

Institution Huazhong Agricultural University, Hubei, Wuhan (430070), P.R, China.

Research Title: Positive selection drives the diversification of duplicated genes in domesticated small ruminant populations

Title of Qualification **M. Phil (Clinical Medicine)**

Awarded

Institution University of Veterinary and Animal Sciences, Lahore (54000), Pakistan

Research Title: Molecular diagnosis and Therapeutic trials against Bovine Fasciolosis in and around Okara, Pakistan.

Title of Qualification **Doctor of Veterinary Medicine (DVM)**

Awarded

Institution University of Veterinary and Animal Sciences, Lahore (54000), Pakistan

EDITORIAL BOARD MEMBERSHIP:

1. **Associate Editor, Scholars Journal of Agriculture and Veterinary Sciences (SJAVS):**
ISSN:
2348-1854(Online) & ISSN 2348-8883 (Print). Index Copernicus Value ICV 2016:
80.00.
2. **Associate Editor, Haya: The Saudi Journal of Life Sciences ISSN 2415-6221 (Online),**
ISSN
2415-623X (Print). Index Copernicus Value (ICV) 58.58. DOI: 10.21276/haya
3. **Scholar Academic and Scientific Society, a Unit of Scholars Academic and Scientific**
Society). H. No-204, Borhawor, P.S-Murajhar, Dist- Hojai, Assam-782439, India.
4. **Editorial board member, Animal and Veterinary Sciences (AVS); ISSN: 2328-5842**
(Print) ISSN: 2328-5850 (Online) <http://www.sciencepublishinggroup.com/j/avs>.
5. **Editorial board member, American Journal of Life Sciences (AJLS); ISSN: 2328-5702**
(Print) ISSN: 2328-5737 (Online) <http://www.sciencepublishinggroup.com/j/ajls>.

PUBLICATIONS:

1. **Ahmad, H. I.,** Ahmad, M. J., Asif, A. R., Adnan, M., Iqbal, M. K., Mehmood, K., & Zhao, C. (2018). A Review of CRISPR-Based Genome Editing: Survival, Evolution and Challenges. Current issues in molecular biology, 28, 47-68. **(I.F 5.26).**
2. **Ahmad, H. I.,** Ahmad, M. J., Adeel, M. M., Asif, A. R., & Du, X. (2018). Positive selection drives the evolution of endocrine regulatory bone morphogenetic protein system in mammals. Oncotarget, 9(26), 18435. **(I.F 5.158).**
3. **Ahmad, H. I.,** Liu, G., Jiang, X., Liu, C., Chong, Y., & Huarong, H. (2017). Adaptive molecular evolution of MC 1R gene reveals the evidence for positive diversifying selection in indigenous goat populations. Ecology and evolution, 7(14), 5170-5180. **(I.F 2.55).**
4. **Ahmad, H. I.,** Liu, G., Jiang, X., Liu, C., Fangzheng, X., Chong, Y. & Huarong, H. (2017). Adaptive selection at agouti gene inferred breed specific selection signature within the indigenous goat populations. Asian-Australasian journal of animal sciences.doi: 10.5713/ajas.16.0994. **(I.F 0.867).**
5. **Ahmad, H. I.,** Liu, G., Jiang, X., Edallew, S. G., Wassie, T., Tesema, B., & Yu, Z. J. (2017). Maximum-likelihood approaches reveal signatures of positive selection in BMP15 and GDF9 genes modulating ovarian function in mammalian female fertility. Ecology and Evolution, 7(21), 8895-8902. **(I.F 2.55).**

6. **Ahmad, H.I.**, Yasir, M., Ahmad, M.J., (2017). CRISPR/Cas9 system: A broadly applicable tool for targeted genome engineering. *Journal of Innovative Bio-Research*. 1(1): 13-23. **(I.F 0.00)**.
7. **Ahmad, H. I.**, Ijaz, M., Iqbal, M. K., Mehmood, K., Maqbool, B., Asif, A. R., Ahmad, M. J., Farooq, M. Z., Farmanullah. (2018). Molecular Characterization and Phylogenetic Analysis of Bovine Fasciolosis in Indigenous Cattle and Buffalo Populations in Okara, Pakistan, *Sch. J. Agric. Vet. Sci*. 5(4): 255-265. **(I.F.0.00)**.
8. Ahmad, M. J., **Ahmad, H. I.**, Adeel, M. M., Liang, A., Hua, G., Murtaza, S., ... & Yang, L. (2019). Evolutionary Analysis of Makorin Ring Finger Protein 3 Reveals Positive Selection in Mammals. *Evolutionary Bioinformatics*, 15, 1176934319834612.
9. Elokil, A. A., Bhuiyan, A. A., Liu, H. Z., Hussein, M. N., **Ahmad, H. I.**, Azmal, S. A., ... & Li, S. (2019). The capability of L-carnitine-mediated antioxidant on cock during aging: evidence for the improved semen quality and enhanced testicular expressions of GnRH1, GnRHR, and melatonin receptors MT 1/2. *Poultry science*.
10. Afzal, G., Ali, S., Kiran, S., Mustafa, G., **Ahmad, H. I.**, Hameed, S., ... & Majeed, J. (2019). Toxicological effect of ethanol on the development of chicken embryo in ova. *Pure and Applied Biology*. Vol. 8, Issue 1, pp882-892.
11. Han, J., **Ahmad, H. I.**, Jiang, X., & Liu, G. (2019). Role of genome-wide mRNA-seq profiling in understanding the long-term sperm maintenance in the storage tubules of laying hens. *Tropical animal health and production*, 1-7.
12. Zhang, C., Ni, P., **Ahmad, H. I.**, Gemingguli, M., Baizilaitibei, A., Gulibaheti, D., & Chen, J. (2018). Detecting the Population Structure and Scanning for Signatures of Selection in Horses (*Equus caballus*) From Whole Genome Sequencing Data. *Evolutionary Bioinformatics*, 14, 1176934318775106. (I.F 1.8).
13. Abulaiti, A., Hua, G., **Ahmad, H. I.**, & Yang, L. (2018). Puberty, Ovarian Cycle, Ovulation and Post-Partum Uterus Recovery in River and Swamp Type Crossbred Buffaloes. *International Journal of Agriculture and Biology*, 20(8), 1839-1845. (I.F 0.869).
14. Sun, D., Chen, M., **Ahmad, H. I.**, Liu, Y., Jiang, X., & Liu, G. (2018). Chicken Embryo Fibroblasts are Effective Cells to Study the Function of Chicken Neurexophilin 1 Gene. *Pakistan Journal of Zoology*, 50(5), 1639-1639. (I.F 0.547).
15. Qamar, M. T., Bari, A., Adeel, M. M., Maryam, A., Ashfaq, U. A., **Ahmad, H. I.**, Du, X., & Wang, J. (2018). Peptide vaccine against chikungunya virus: immuno-informatics combined with molecular docking approach. *Journal of translational medicine*, 16(1), 298. (I.F 4.197).
16. Wassie, T., Liu, G., Jiang, X., Tesema, B., Han, Y., Zhao, J., & **Ahmad, H. I.** (2019). Immunization against Kisspeptin-54 perturb hypothalamic–pituitary–testicular signaling pathway in ram lambs. *Theriogenology*, 125, 193-202. (I.F 2.16).
17. Asif, A. R., Awais, M., Qadri, S., **Ahmad, H. I.**, & Du, X. (2017). Positive selection of IL33 in adaptive immunity of domestic Chinese goats. *Ecology and evolution*, 7(6), 19541963. (I.F 2.55).

18. Farooq, M. Z., **Ahmad, H. I.**, Yaqoob, M., Bhatti, J.A., Ahmad, W., Hayat, Z., Farmanullah, Ahmad, N., Saleem, A.H. (2018). Factors Contributing to Kid's Mortality in Goat Kept under Desert Land Conditions. *Sch. J. Agric. Vet. Sci.* 5(7):373-384.
19. Abbas, A., **Ahmad, H.I.**, Saleem, M.H., khan, J.A., Ashraf, M.K. (2018). Incidence and Hematological Study of Trichomoniasis in Domestic and Wild Pigeons in and Around Lahore, Pakistan. *Sch. J. Agric. Vet. Sci.* 5(8):441-446.
20. Iqbal, M. K., Nabi, F., Mehmood, K., Rehman, M. U., Huang, S., Zhang, H., **Ahmad, H. I.** & Shen, Y. (2018). Healing of Growth Plate Cartilage by Hypoxia Inducible Factor-1a
21. Iqbal, M. K., Nabi, F., Mehmood, K., Rehman, M. U., Huang, S., Zhang, H., **Ahmad, H. I.** & Shen, Y. (2018). Healing of Growth Plate Cartilage by Hypoxia Inducible Factor-1a Inhibitor Apigenin on Thiram Induced Tibial Dyschondroplasia. *Pakistan Veterinary Journal*, 38(2). (I.F 1.27).
22. Maqbool, B., Iqbal, M.K., Ijaz, M., Aslam, M.B., **Ahmad, H.I.**, Hussain, K., (2017). Prevalence and Chemotherapy of Enterotoxemia (*Clostridium perfringens*) in diarrheic Sheep and Goats. *J Innov Bio-Res.* 1(1): 30-35. (I.F 0.00).
23. Wu, X., Li, A., Zhang, H., Mehmood, K., Zhao, Y., Luo, M., **Ahmad, H.I.** & Zhou, D. (2018). Hepatic Injury Induced by Hexavalent Chromium in Chickens. *International Journal of Agriculture and Biology*, 20 (7), 1641-1644. (I.F. 0.869).
24. Chang, Z., Zhang, H., Dong, H., Mehmood, K., Ijaz, M., **Ahmad, H. I.**, & Zhu, H. (2018). Effect of CuSO₄ and nano copper on serum antioxidant capacity in Weaned piglets. *Journal of biological regulators and homeostatic agents*, 32(2), 219-224. (I.F 1.5).
25. Mehmood, K., Hui, Z., Sabir, A. J., Abbas, R. Z., Ijaz, M., Durrani, A. Z., & **Ahmad, H. I.** (2017). A review on epidemiology, global prevalence and economical losses of fasciolosis in ruminants. *Microbial Pathogenesis*. 109 (2017) 253e262. (I.F 2.01).
26. Khan, F. A., Pandupuspitasari, N. S., ChunJie, H., **Ahmad, H. I.**, Wang, K., Ahmad, M. J., & Zhang, S. (2017). Applications of CRISPR/Cas9 in reproductive biology. *Current issues in molecular biology*, 26, 93. (I.F 5.26).
27. Ullah, F., Bhattarai, D., Cheng, Z., Liang, X., Deng, T., Rehman, Z. U., **Ahmad, H. I.** & Ahmad, M. J. (2018). Comparative Analysis of V-Akt Murine Thymoma Viral Oncogene Homolog 3 (AKT3) Gene between Cow and Buffalo Reveals Substantial Differences for Mastitis. *BioMed Research International*. (I.F 2.47).
28. Asif, A. R., Ansari, A. R., Javed, R., Qadri, S., & **Ahmad, H. I.** (2016). Role of cytokines and correlated cells in host immunity against nematode in ruminants. *J. Glob. Innov. Agric. Soc. Sci.* 4(2):46-54. (I.F 0.00).

SEMINAR/EVENTS/ CONFERENCE/SYMPOSIA/ WORKSHOP ORGANISED:

- ☐ Member of Organizing Committee of Seminar on "Operating Environmentally Controlled Poultry House" held at University of Veterinary and Animal Sciences, Lahore, Pakistan.
- ☐ Convener of seminar on "Myths and Facts about egg" arranged on eve of world egg day 2015 October 9th, held at University of Veterinary and Animal Sciences, Lahore, Pakistan.

- Organizer of World Water Day Seminar held at University of Veterinary and Animal Sciences, Lahore, Pakistan, Topic: Water Borne Diseases and its impact on life
- Member of Organizing Committee for Thalassemia Hemophilia awareness seminar and blood donation camp at University of Veterinary and Animal Sciences, Lahore, Pakistan.
- Member of Organizing Committee of Sports Gala at Sub-Campus Patoki from 28th to 30th of October, 2015 (Volley Ball)
- Member of Departmental Organizing Committee of Spring festival/ Kissan Mela at Sargodha from 08th to 10th of March 2015.

SEMINAR/EVENTS/ CONFERENCE/SYMPOSIA/ WORKSHOP ATTENDED:

- Attended training on “Clinical Containment Program: Pakistan 2017.
- Attended workshop on “Diagnosis of Viral Diseases” at Nuclear Institute for Agriculture and Biology Faisalabad.
- Attended International Symposium on Dairy Animal Reproduction (ISDAR 2015) held at University of Veterinary and Animal Sciences, Lahore, Pakistan.
- Attended departmental training on “Basic Skills in Animal Reproduction and Artificial Insemination Techniques” held at LSTC, Sheikhpura from 15-20 June 2015 organized by Livestock and Dairy Development Department Government of Punjab.
- Attended International Livestock, Dairy and Poultry Congress at Expo Centre, Johar Town Lahore from April 14-15, 2015.
- Attended Training workshop on “Young faculty capacity Sharing Program” organized by Directorate of Academics, University of Veterinary and Animal Sciences, Lahore, Pakistan.
- Attended workshop on “Broiler flock control system and distribution of broiler flock control system (DVD)” held at University of Veterinary and Animal Sciences, Lahore, Pakistan.
- Attended workshop on “Layer Flock Control System” held at University of Veterinary and Animal Sciences, Lahore, Pakistan.
- Attended international workshop on “Strategies to develop nutrition related multidisciplinary projects” organized by Institute of Food sciences and technology, University of Veterinary and Animal Sciences, Lahore, Pakistan
- Attended international conference of “Biochemistry, Biotechnology and Biomaterials (ICBBB2016)” arranged by department of Biochemistry, University of Veterinary and Animal Sciences, Lahore, Pakistan

- Attended Seminar on “Obesity as a risk factor for heart attack” Held at Institute of Food sciences and technology, University of Veterinary and Animal Sciences, Lahore, Pakistan.
- Attended hands on workshop on “Poultry Management System and Distribution of Poultry Management System (DVD)” at University of Veterinary and Animal Sciences, Lahore, Pakistan.
- Participated in “International Poultry Expo 2016” from September 22 to 24, 2016 under the auspices of Pakistan Poultry Association at Expo centre Lahore, Pakistan.
- Attended one day symposium on “One Health” held on August 8, 2016 arranged by U.S-Pakistan Center for advanced studies in agriculture and food security, University of Veterinary and Animal Sciences, Lahore, Pakistan.

PROFESSIONAL AFFILIATION:

- Member of Pakistan Veterinary Medical Council and Registered Veterinary Medical Practitioner. □ Member of Pakistan Veterinary Medical association.

HONOURS AND AWARDS:

- Awarded as Distinguished scholar in PhD by Chinese Scholarship Council (CSC).
- Awarded with PhD scholarship by Chinese Scholarship Council under Chinese Government.
□ Received Laptop on account of academic performance by Government of Punjab Pakistan.
- Received Merit Scholarship in DVM by University of Veterinary and Animal Sciences, Lahore, Pakistan.
- Received Punjab Education Merit Scholarship in Undergraduate and Postgraduate degree programs