

CV of
DR. AL-HAFIZAH SHAFIA TEHSEEN GUL

DVM, M.Sc (Hons), Ph.D. (Vet. Pathology), SEP Fellow (USA)

Associate Professor

Associate Editor, Pakistan Veterinary Journal (Q1 IF:3.8)

Co-In-charge, Veterinary Diagnostic Laboratory

University of Agriculture, Faisalabad



IMPACT FACTOR = 112.22; CITATIONS = 1548; H-INDEX = 21

I Academic Distinctions (Attended University of Agriculture, Faisalabad from DVM to Ph.D)

1. Merit Scholarship holder from during Under & Postgraduate (2001-2007)
2. Silver Medal in M. Sc. (Hons) securing 1st Position

II University Service: Teaching & Research:

1. Post held:
 - Associate Professor (2022- to to-date)
 - Assistant Professor (2015- to 2022)
 - Lecturer (2008 to 2015)

III Experience in Research Publications

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| 1. Books/Chapters | 13 | } 160 |
| 2. Research Papers | | |
| a) Foreign Journals (with Impact factor) | 52 | |
| b) National & International Journals (w/out/Impact factor) | 20 | |
| 3. Papers in Seminars/Symposia | 70 | |
| 4. Review & Popular Articles | 06 | |

IV Postgraduate Students

- | | <u>PhD</u> | <u>MSc (Hons)/M.Phil</u> |
|---------------------|------------|--------------------------|
| 1. Supervised | 03 | 50 |
| 2. Committee Member | 05 | 80 |

V: Research Projects as PI/Co-PI

1. As PI, Women-led initiatives for sustainable food production in perspective to climatic changes through capacity building USDA-USA (\$60000)-On-going
2. As PI, Evaluation of Cell Mediated Immune Responses (CMI) As A Diagnostic Marker for Field Diagnosis of Latent Bovine Brucellosis (2017-2019). EFS, UAF Rs 3.043 million.
3. As PI A Rapid point of care (POC) loop mediated isothermal amplification assay (LAMP) for brucellosis diagnosis alongwith analysis of Acute phase proteins for subclinical disease diagnosis (2017-2020) by HEC, Pakistan Rs. 4.24 million
4. As Co-PI: HEC funded Res. Project "Pathobiology of Brucellosis in Food Animals and Humans" (2011-2014), Rs. 3.18 million, and completed.

VI Foreign Workshops/Trainings/CPD/Exchange Programs Attended

1. Mevlana exchange program, Selcuk University, Konya, Turkey as Academic staff November 01-30, 2016.
2. Training on "Prevention and Detection of Infectious Zoonotic Diseases in Agriculture and Public Health Sector" organized b University of Tennessee, USA at Amman, Jordan on April 10-15, 2017.
3. Training on "Advanced isolation and Quarantine Response Strategies for Biological Disease Outbreak" organized by University of Tennessee, USA at Bangkok, Thailand on May 22-25, 2017.
4. Training on "The Principle Concept and Practices of One Health for Emerging Disease Management" at ASEAN Institute for Health Development at Mahidol University, Bangkok, Thailand sponsored by Thailand International Cooperation Agency (TICA) from August 01-25, 2017.
5. Training on "Research Methods and the Role of Molecular Biology" by International Biological and Chemical Threat Reduction (IBCTR) at Irbid, Jordan from April 29 to May 1, 2018.
6. "Five day workshop on Capacity building and Professional Development" organized by Directorate of Academics and Teaching Resource Center, University of Agriculture,

Faisalabad on November 15-19, 2021.

7. "Five days BRM Basic Training" organized by Enhancing Veterinary Diagnostic and Research Capabilities in Pakistan by Association of Biorisk Management, Pakistan at Faculty of Veterinary Sciences, UAF on April 11-15, 2022.
8. "Training on Regional Guidelines for collecting and Transporting High Consequences Pathogen Samples in the Punjab Province of Pakistan Organized by the U.S. National Academies of Science, Engineering, and Medicine, National Institute of Health Pakistan, Pakistan Academy of Sciences, Health Security Partners at Pearl Continental, Lahore on June 19-21, 2023.
9. **Enhancing Learner-Centered Pedagogical Skills Asynchronous Course Moodle course** Organized by AWB/USF (Academics without borders) on February 12 to February 23, 2024.
10. **Instructional Skills Workshop (ISW) Asynchronous Course**, Moodle course Organized by AWB/USF (Academics without borders) on June 03-06, 2024.
11. **Facilitator Development Workshop (FDW) for ISW** Asynchronous Course, Moodle course Organized by AWB/USF (Academics without borders) on August 26-30, 2024.
12. Scientific Exchange Program (SEP) for Food Security, by **USDA-USA at Florida A& M University, USA** w.e.f. September 17, 2024 to December 11, 2024.

S.No.	Details of Some Significant Research Publications
1	Gul ST , Tahir MZ, Ahmad L, Khatoon A, Saleemi MK, Ataya FS, Hussain R, Maqbool B, Fouad D, Khan A, 2025. Fipronil in sub-lethal doses leads to immuno-toxicological effects in broiler birds. <i>PloS one</i> . Jan 28;20(1):e0315915.
2	Luqman M, Rah1man SU, Gul ST , and Mahmood MS (2024) Beyond traditional vaccines: Semi-purified low-pathogenic avian influenza H9N2 virus-like particles and their promise for broiler immunity, <i>Veterinary World</i> , 17(10): 0-0.
3	Khatoon A, MZ Khan, ZU Abidin, MK Saleemi, H Oguz, ST Gul, RZ Abbas, A Ali, SA Bhatti, 2024. Aflatoxin B1-associated oxidative stress along with toxicopathological and immunological alterations is efficiently counteracted by dietary supplementation of distillery yeast sludge in broilers. <i>Mycotoxin Research</i> , https://doi.org/10.1007/s12550-024-00549-y
4	Bilal M, Gul ST , Javed MT and Saqib M. Epidemiological investigations of bovine brucellosis and evaluation of loop mediated isothermal amplification assay for field application. <i>Asian J. Agric. Biol.</i> 2024(3): 2023313. DOI: https://doi.org/10.35495/ajab.2023.313
5	Hayajneh FMF, Ahmed Z, Khatoon A, Saleemi MK Arshad MI and Gul ST , 2024. Epidemiological investigations of <i>Mycoplasma bovis</i> -associated mastitis in dairy animals along with analysis of interleukin-6 (IL-6) as a potential diagnostic marker. <i>International Journal of Veterinary Science</i> , 13(1): 120-126. https://doi.org/10.47278/journal.ijvs/2023.072
6	Gul ST and Alsayeqh AF, 2023. Probiotics improve physiological parameters and meat production in broiler chicks. <i>International Journal of Veterinary Science</i> 12(2): 182-191. https://doi.org/10.47278/journal.ijvs/2022.191
7	Mashkoo J, Al-Saeed FA, Guangbin Z, Alsayeqh AF, Gul ST , Hussain R, Ahmad L, Mustafa R, Farooq U and Khan A (2023) Oxidative stress and toxicity produced by arsenic and chromium in broiler chicks and application of vitamin E and bentonite as ameliorating agents. <i>Front. Vet. Sci.</i> 10:1128522. doi: 10.3389/fvets.2023.1128522
8	Fayyaz A, Saleemi MK, Gul ST , Gilani MM and Irshad H, 2023. Sero-epidemiology and Pathology of Infectious Bronchitis in Commercial Poultry from Faisalabad Division. <i>Pak Vet J</i> , 43(1): 146-152. http://dx.doi.org/10.29261/pakvetj/2021.065
9	Du XX, Gul ST, Ahmad L, Hussain R and Khan A, 2023. Fowl typhoid: Present scenario, diagnosis, prevention, and control measures. <i>Int J Agri Biosci</i> , 12(3): 172-179. https://doi.org/10.47278/journal.ijab/2023.061
10	Aslam, S., Ali, S., Gul, S. T., & Arshad, M. I. (2022). Pattern of rifampicin resistance and gene xpert based molecular typing of tuberculosis patients in tertiary care hospitals. <i>Pakistan Journal of Pharmaceutical Sciences</i> , 35.
11	Gul ST, Mahmood S, Bilal M, Saleemi MK, Imran M and Zubair M, 2022. Acute phase proteins as biomarkers in perspective to animal diseases diagnosis. <i>Agrobiological Records</i> 9: 45-57. https://doi.org/10.47278/journal.abr/2022.013
12	Zarnab S, Javed MT, Gul AHST, Mahmood MS, 2022. The chicken in-house environment can be improved by the use of nanotechnology. <i>Pak Vet J</i> , 42(4): 526-532. http://dx.doi.org/10.29261/pakvetj/2022.062
13	Zarnab S, MT Javed, ST Gul and MS Mahmood, 2022. Use of nanotechnology can improve the in-house environment and enhance the growth indicators of broilers. <i>Bioscience Research</i> , 19(2): 1155-1167.

14	Raza QS, Saleemi MK, Gul ST , Irshad H, Fayyaz A, Zaheer I, Tahir MW, Fatima Z, Chohan TZ, Imran M, Ali H, Khalid HMS, Jamil M, Zaheer MI and Khan A, 2022. Role of essential oils/volatile oils in poultry production - A review on present, past and future contemplations. <i>Agrobiological Records</i> 7: 40-56. https://doi.org/10.47278/journal.abr/2021.013
15	Khatoon A, Abidin ZU, Gul ST , Khan AR, Naeem M, Qureshi MA, Ali A and Nawaz MY, 2022. Lyophilization as a possible way to enhance the viability of live Newcastle disease (LaSota) vaccine: Suggesting the optimized method by comparing five different protocols. <i>Pak Vet J</i> , 42(3): 404-408. http://dx.doi.org/10.29261/pakvetj/2020.047
16	Gul ST and Alsayeqh AF, 2022. Probiotics as an alternative approach to antibiotics for safe poultry meat production. <i>Pak Vet J</i> , 42(3): 285-291. http://dx.doi.org/10.29261/pakvetj/2022.061
17	Zahoor MA, Gul ST , Khatoon A, Ashraf M, Zubair M, Imran M, Maqbool B and Atif FA, 2022. Teratogenic effects of thiamethoxam (a neonicotinoid) on development of chick embryo. <i>Pak Vet J</i> , 42(2): 179- 184. http://dx.doi.org/10.29261/pakvetj/2022.033
18	Gul ST. , RL Khan, MK Saleemi, M. Ahmad, R Hussain and A Khan, 2022. Amelioration of toxicopathological effects of Thiamethoxam in broiler birds with Vitamin E and Selenium. <i>Toxin Reviews</i> . 41(1): 218-228. DOI: 10.1080/15569543.2020.1864647.
19	Gul ST , MK Saleemi, N Waheed, MI Arshad, B Maqbool, A Khatoon, and Ahrar Khan, 2021. Salmonella typhimurium (A Zoonotic Threat) Prevailing in Commercial Poultry in Pakistan as Diagnosed by PCR and Loop-Mediated Isothermal Amplification (LAMP) Assay. <i>Salwayn</i> , 165(7): 56-77.
20	Ahmad L, Gul ST , Saleemi MK, Hussain R, Rehman AU, Naqvi SNH, Du XX and Khan A, 2021. The effect of different repeated doses of cypermethrin on the behavioral and histological alterations in the brain of rabbits (<i>Oryctolagus cuniculi</i>). <i>International Journal of Veterinary Science</i> 10(4): 347-354.
21	Saeed MS, UA Randhawa, I Ahmad, Muhammad I Ullah, ST Gul , MM Hassan, E Ahmad and N Ijaz, 2021. Seroprevalence and risk factors of toxoplasmosis in beetal goats in district Faisalabad and its association with reproductive problems. <i>Pakistan Journal of Agriculture Sciences</i> , 58(2), 693-698.
22	Qadir MF, A Khan, MK Saleemi, ST Gul , A Khan and Q Mujahid, 2021. Epidemiological and Pathological status of <i>Mycoplasma gallisepticum</i> in Layer chicks at Faisalabad. <i>Pak. J. Agri. Sci.</i> , Vol. 58(1), 213-218.
23	Khan, HA, T Munir, JA Khan, ST Gul , MZ Ahamd, MA Aslam, MN Umar and MI Arshad 2021. IL-33 ameliorates liver injury and inflammation in Poly I:C and Concanavalin-A induced acute hepatitis. <i>Microbial Pathogenesis</i> , 150, 104716.
24	Gul ST. , A Khan, MK Saleemi, I Ahmad, M. Ahmad and M Latif, 2020. Toxicopathological effects of thiamethoxam on hemato-biochemical and productive performance of commercial laying hens. <i>Pakistan Veterinary Journal</i> . 40(4): 449-454.
25	Khan, U.D., A. Khan, ST Gul , MK Saleemi and X Du, 2020. Seroprevalence of brucellosis in Cattle (<i>Bos Taurus</i>) kept in peri-urban areas of Pakistan. <i>Agrobiological Records</i> , 1: 6-10.
26	Khan A, F Mahmood, R Hussain, AB Siddique, ST Gul , MK Saleemi, F Li and M Shen, 2019. Lymphoid Leukosis in Fayoumi Birds Reared in Countryside. <i>International Journal of Agriculture and Biology</i> , 22(4): 620-626.
27	Gul ST , A Khan, M Ahmad, H Ahmad, MK Saleemi, MN Naseem and M. Bilal, 2019. Immunotoxicological effects of the Sub-Lethal Doses of Thiamethoxam (TMX) in broiler birds. <i>Toxin Reviews</i> , 38(3): 200-205. https://doi.org/10.1080/15569543.2018.1435554
28	Gul ST , A Khan, MK Saleemi, M Ahmad, A Zahoor, MN Naseem and R Hussain, 2019. Immunotoxicological Effects of Allethrin (Active Ingredient in Mosquito Repellent Coils) in BALB/c Mice Following Oral Administration. <i>Pakistan Veterinary Journal</i> , 39(2): 256-260.
29	Shahzad A, D Xiaoxia, A Khan, MZ Khan, M Saqib, ST Gul , MK Saleemi and J Bayi, 2018. Patho-Morphological Valuation of Acute Infection of <i>Brucella melitensis</i> in Goats. <i>Pakistan Veterinary Journal</i> , 38(4): 341-346. http://dx.doi.org/10.29261/pakvetj/2018.099 .
30	Imtiaz W, A Khan, ST Gul , M. Saqib, MK Saleemi, A Shahzad, J Dong, R Hussain, M Shen, D Xiaoxia, 2018. Evaluation of dna vaccine encoding bcp31 surface protein of brucella for protective immunity. <i>Microbial Pathogenesis</i> . 125(2018): 514-520.
31	Gul ST , Khan A, Farooq M, Niaz S, Ahmad M, Khatoon A, Hussain R, Saleemi MK and Hassan MF, 2017. Effect of sub lethal doses of thiamethoxam (a pesticide) on hemato-biochemical values in cockerels. <i>Pakistan Veterinary Journal</i> , 37(2): 135-138.
32	Ali F, Hussain R, Qayyum A, Gul ST and Iqbal Z, 2016. Milk Somatic Cell Counts and Some hemato-biochemical Changes in Sub-Clinical Mastitic dromedary she-camels (<i>Camelus dromedarius</i>). <i>Pakistan Veterinary Journal</i> , 36(4): 405-408.
33	Gul, S. T. , A. Khan, M. Ahmad, F. Rizvi, A. Shahzad and I. Hussain, 2015. Epidemiology of

	Brucellosis at different livestock farms in Punjab, Pakistan. Pakistan Veterinary Journal, 35 (3): 309-314.
34	Gul ST , A Khan, F Rizvi and I Hussain, 2014. Sero-prevalence of brucellosis in food animals in the Punjab, Pakistan. Pakistan Veterinary Journal, 34 (4): 454-458.
35	Gul ST , A Khan, M Ahmad and I Hussain, 2013. Seroprevalence of Brucellosis and associated Hemato-Biochemical Changes in Pakistani Horses. Pakistan Journal of Agriculture Sciences, 50(4): 447-452.
36	Mahmood F, A Khan, MZ Khan, R Hussain, ST Gul and AB Siddique, 2012. Pathological and Molecular Based Study of Naturally Occurring Lentivirus Infection. Pakistan Veterinary Journal, 32(4): 511-514.
37	Khan A, MK Saleemi, MZ Khan, ST Gul , M Irfan and MS Qamar, 2011. Hemorrhagic Septicemia in Buffalo (<i>Bubalus bubalis</i>) Calves under Sub-Tropical Conditions in Pakistan. Pakistan Journal of Zoology., 43(2): 295-302.
38	Khan A, A Yousaf, MZ Khan, M Siddique, ST Gul , and F Mahmood, 2009. Cutaneous Form of Pox Infection among Captive Peafowl (<i>Pavo Cristatus</i>) Chicks. Avian Pathology, 38(1): 65-70
39	Wadood F, M Ahmad, A Khan, ST Gul and N Rehman. 2009. The Seroprevalence of Brucellosis in horses in and around Faisalabad. Pakistan Vet J, 29(4): 196-198.
40	Gul ST , M Ahmad, A Khan and I Hussein, 2007. Haemato-Biochemical observations in apparently healthy equine species. Pakistan Vet J, 27(4): 155-158.