

DR. FARHAN ANWAR KHAN

PUBLICATIONS (Cumulative Impact Factor: 220):

1. Lionel Kinkpe., Khan RW., Suhail SM., Ahmad I., **Khan F.A.**, Akkari A.A., Siddiqui S., (2023). Polymorphism and association study of lactoferrin (LF) gene with milk yield, milk composition, and somatic cell count in Beetal goats. *Tropical Animal Health and Production*, 55:415 <https://doi.org/10.1007/s11250-023-03834-7>
2. Ahmad F, **Khan F.A.**, Khan H, Saeed M (2023). Determination of anti-*Mycoplasma capricolum* subsp. *capripneumoniae* antibodies for the Serological prevalence of contagious caprine pleuroneumonia in North-western Pakistan. *Pakistan J. Zool.*, pp 1-8, 2023. <https://dx.doi.org/10.17582/journal.pjz/20230205100201>
3. Ahmad F, Khan F.A, Khan H, Midrar U, Saeed M (2023). Molecular surveillance revealed increasing trend of mycoplasmosis in respiratory infections of goats (*Capra hircus*) in northern Pakistan. *Pakistan J. Zool.*, pp 1-10. <https://dx.doi.org/10.17582/journal.pjz/20230413100417>
4. Ahmad I., Hao H., Sanders P., Iqbal Z, Ahmed S., **Khan F.A.**, Shah Z., Ibrahim M., Huang L., (2023). New HPLC Method for Determination of Cefquinome in Cattle Plasma and its Application for Pharmacokinetic Study. *Pakistan J. Zool.*, vol. 55(5), pp 2199-2206, DOI: <https://dx.doi.org/10.17582/journal.pjz/20200312100316>.
5. Ahmad, F., Khan, H., Khan, K., **Khan, F.A.**, Ahmad, N., Saeed, M., & Ayasan, T. (2023). Effects of ochratoxin on the performance, haematobiochemical profile, macroscopic and histopathological lesions in quails (*Coturnix coturnix Japonica*): Pathological effects of ochratoxin on the performance and haematobiochemical profile of quails (*Coturnix coturnix Japonica*). *Journal of the Hellenic Veterinary Medical Society*, 74(3), 5953–5960. <https://doi.org/10.12681/jhvms.30561>.
6. Abdul Sajid, Muhammad Ali , Hazir Rahman , Natasha Kashif , Hammad Ullah , Irshad Ahmad , Nighat Nawaz , **Khan F.A.**, and Fazal Rabbani (2023), Sero-Epidemiology of Crimean Congo Hemorrhagic Fever Virus (CCHFV) in Human and Livestock Population in District Mardan, Pakistan. *INTERNATIONAL JOURNAL OF AGRICULTURE & BIOLOGY*, DOI: 10.17957/IJAB/15.2052
7. Khan K, Suhail SM, Khan R, Ahmed I, **Khan F.A.**, Khan MJ (2023). Genetic polymorphism of B-casein gene and its association with milk production and composition in Azi-Kheli buffalo. *Trop Anim Health Prod.* ; 55(2):94. doi: 10.1007/s11250-023-03511-9. PMID: 36809577.
8. Aftab U, Khan RW, Suhail SM, Ahmad I, **Khan F.A.**, Qureshi MS, Khan NA, Akkari AA, El Moneim DA (2022) Bioinformatics analysis and the association of polymorphisms within the caprine *GDF9* gene promoter with economically useful traits in Damani goats, *Animal Biotechnology*, DOI: 10.1080/10495398.2022.2154676.
9. Akhtar, Arooba; Boissière, Anne; Hao, Huafang; Saeed, Muhammad, Dupuy, Virginie, Exbrayat, Antoni; **Khan F.A.**; Chu, Yuefeng; Manso-Silvan, Lucıa (2022) Multi-locus sequence analysis reveals great genetic diversity among *Mycoplasma capricolum* subsp. *capripneumoniae* strains in Asia. *Veterinary Research*, 53:92, <https://doi.org/10.1186/s13567-022-01107-z>.
10. Muhammad I.H, **Khan F.A.**, U.Sadique, H.Khan, Z.Rehman, et al., (2023). Molecular, serological, and pathological detection of *Mycobacterium avium* subsp. *paratuberculosis* infection in small ruminants at Peshawar, Pakistan. *Pak. J. Zoology*, vol. 55(1), 307-314, 2023 DOI: <https://dx.doi.org/10.17582/journal.pjz/20191014071021>.
11. Faiz UR, **Khan F.A.**, Saeed M, Ali M, Khan H, Ahmad F, Ullah Q (2022). Clinicopathological and Sero-Molecular Detection of *Mycoplasma capricolum* subsp. *capripneumoniae* in Goats in Southern Areas of Pakistan. *Veterinary Medicine International*, <https://doi.org/10.1155/2022/9508810>.
12. Muhammad S.N, Rehman Z, Khan H, **Khan F.A.**, Hussain T, Ahmad A, Farmanullah, Husnain A, Muhammad S, Murtaza G, Gang L (2022). Glycine Improved Cryopreserved Spermatozoa Quality in Achai Bull. *BioMed Research International*, doi.org/10.1155/2022/8282387.
13. Atta.M., FZ Chen, SB Khan, XZ Guo, RW Khan, **Khan F.A.**, Yinxing Zhu & Qigai He (2022). Development and evaluation of polyclonal antibodies based antigen capture ELISA for detection of porcine rotavirus, *Animal Biotechnology*, DOI: 10.1080/10495398.2022.2052304.
14. Lu, D.; Zhang, H.; Zhang, Y.; Zhao, G.; **Khan F.A.**; Chen, Y.; Hu, C.; Yang, L.; Chen, H.; Guo, A. Secreted MbovP0145 Promotes IL-8 Expression through Its Interactive β -Actin and MAPK Activation and Contributes to Neutrophil Migration. *Pathogens* 2021, 10, 1628. <https://doi.org/10.3390/pathogens10121628>.

15. Ahmad F., H. Khan, **Khan F.A.**, B.D. Carson, U.Sadique, I.Ahmad, M. Saeed, F.U. Rehman, H.U.Rehman (2021). The first isolation and molecular characterization of *Mycoplasma capricolum* subsp. *capripneumoniae* Pakistan strain: A causative agent of contagious caprine pleuropneumonia. *Journal of Microbiology, Immunology and Infection*, 54, 710-717. <https://doi.org/10.1016/j.jmii.2020.06.002>.
16. Zahir Shah, Shakoor Ahmad, Ijaz Ahmad, Taif Shah, **Khan F.A**, Haq Amanullah (2021). Antinociceptive, physiologic and biochemical effects of electroacupuncture combined with xylazine in hybrid goats. <https://doi.org/10.1016/j.vaa.2021.06.014>.
17. Shoaib M, MI Rashid, H Akbar, AA Sheikh, SH Farooqi, MA Khan, **Khan F.A**, R Khan (2021). Prevalence and Molecular characterization of *Anaplasma marginale* in cattle population of Khyber Pakhtunkhwa province, Pakistan. *Intl J Agric Biol* 25:1016–1023.
18. Mumtazur R., **Khan F.A.**, U.Sadique, I.Ahmad, S.Ahmad et. al., (2021). In-vitro susceptibility of *Mycoplasma capricolum* subsp. *capripneumoniae* Pakistan strain to commercially available quinolones. *Pak. J. Zoology*, 53(2), 409-415.
19. Shah, Z., S. Munawar, I. Ullah, T. Shah, H.A. Ullah, S. Nawaz, **Khan F.A.**, M.K. Shah. (2020). Combined physico-chemical and analgesic effects of electroacupuncture plus clonidine in goats. *Sarhad Journal of Agriculture*, 36(4): 1127-1135.
20. Muhammad S, I. Rashid, H.Akbar, A.A Sheikh, S.H. Farooqi, M. Asif, M.A.Khan, S.Mahmood, **Khan F.A**. (2020). Prevalence of Rhipicephalus and Hyalomma Ticks in Cattle and Associated Risk Factors in Three Districts of Khyber Pakhtunkhwa, Pakistan. *Pak. J. Zoology*. doi.org/10.17582/journal.pjz/20191025111028.
21. Ullah, A., U. Sadique, S. Ayaz, M.S. Qureshi and **Khan F.A**. 2020. Bovine tuberculosis (bTB)-isolation and species-specific identification of *Mycobacterium bovis* from bovine raw milk in Pakistan. *Sarhad Journal of Agriculture*, 36(2): 489-498.
22. Nighat N, Irshad A, Nizam M. D, Amjad W, Sadeeq R, Abdul S, **Khan F.A**, Sher B.K, Simon G. P., Kamal U. (2020). Synthesis, Characterization and Antioxidant Activity of Nickel(II) Schiff Base Complexes Derived from 4-(Dimethylamino)benzaldehyde. *Journal- Chemical Society of Pakistan* 42(2):238-242.
23. Arshad Z , Yaping Y , Chao Y , Sher B.K , Christine R , **Khan F.A** , Meng-yao G , Ganzhen D, (2020). MerTK negatively regulates *Staphylococcus aureus* induced inflammatory response via Toll-like receptor signaling in the mammary gland. *Molecular Immunology*, 122, 1-12.
24. Zubair M, **Khan F.A**, Menghwar H, Faisal M, Ashraf M, et al., (2020). Progresses on bacterial secretomes enlighten research on *Mycoplasma* secretome. *Microb Pathog*. doi: 10.1016/j.micpath.2020.104160. PubMed PMID: 32194181.
25. Zubair M., S.A.Muhammed , **Khan F.A**, Gang Zhao, H. Menghwar , et al., (2020). Identification of 60 secreted proteins for *Mycoplasma bovis* with secretome assay. *Microbial Pathogenesis* DOI: 10.1016/j.micpath.2020.104135.
26. Aminullah, Arsala K, Muhammad K.K, Muhammad Z, Hashmat U, **Khan F.A**, Zubair L, Usman G, (2019). Toxicopathological effects of moldy feed in commercial white leghorn layers and its amelioration with milk thistle seed. *International Journal of Scientific and Engineering Research*, 10(9):1687-1698
27. Khan MF, Siddique U, Shah AA, Khan I, **Khan F.A**, Ahmad I, Zeb MT, Hassan MF Ali T, 2019. Seroprevalence of Bovine Leukemia Virus (BLV) in Cattle from the North West of Pakistan. *Pak Vet J*. <http://dx.doi.org/10.29261/pakvetj/2019.103>.
28. Chao Jin, Xiaoxiao Han, Kai Liu, Qingni Li, Qingjie Peng, Siyi Lu, Gang Zhao, Xifang Zhu, Guyue Hu, Yaqi Dong, Changmin Hu, Yingyu Chen, Jianguo Chen, **Khan F.A**, Huanchun Chen, Aizhen Guo (2019). Calves Infected with Virulent and Attenuated *Mycoplasma bovis* Strains Have Upregulated Th17 Inflammatory and Th1 Protective Responses, Respectively. *Genes*, 10, 656; doi: 10.3390/genes10090656.
29. **Khan F.A**, Chen X, Shoaib M, Shah M, Ahmad F, Khan H, Ur Rehman F, Saeed M, Ahmad I, Ahmad I, Guo A (2019). Two dimensional gel electrophoresis (2-DE) for high-throughput proteome analyses of *Mycoplasma bovis*. *Acta Biochim Pol*. 66, 321–327 doi: 10.18388/abp.2019_2794.
30. Hayatullah Khan, **Khan F.A**, Umar Sadique, Shakoor Ahmad, Zahoor ul hassan, Faisal Ahmad, Abdul Ahad, Muqader Shah, Ijaz Ahmad, Zahir Shah, Zia-ur-rehman (2019). Genotoxic and Toxicopathological Effect of Aflatoxin B1 in Grass Carp (*Ctenopharyngodon idella*). *Kafkas Univ Vet Fak Derg*, 25 (6), doi: 10.9775/kvfd.2019.21988.
31. Rajput SA, Sun L, Zhang NY, Khalil MM, Ling Z, Chong L, Wang S, Rajput IR, Bloch DM, Khan FA, Shaikat A, Qi D. (2019). Grape Seed Proanthocyanidin Extract Alleviates AflatoxinB₁-Induced Immunotoxicity and

- Oxidative Stress via Modulation of NF- κ B and Nrf2 Signaling Pathways in Broilers. *Toxins (Basel)*. Jan 7;11(1). pii: E23. doi: 10.3390/toxins11010023.
32. Ahmed S, Ahmad I, Ahmad S, Shah Z, Shah M, **Khan F.A**, Ahmad I. (2019) Analysis of pilus biogenesis genes in bacteria expressing type IV pili. *Kafkas Univ Vet Fak Derg*, 25 (1): 125-128, DOI: 10.9775/kvfd.2018.19910.
 33. M. Shah, H. Zaneb, S. Masood, I. Khan, A. Sikandar, S. Ashraf, H.F. Rehman, M.M. Usman, **Khan F.A**, H. Amanullah, H. Rehman. (2018). Effect of zinc and probiotics supplementation on performance and immune organs morphology in heat stressed broilers. *South African Journal of Animal Science*, 48 (No. 6).
 34. Rahim D, A.B.Kalhor, A.B.Kachiwal, I. B.Kalhor, D.H.Kalhor, S.Ahmed, **Khan F.A**, H.S.Talpur, Z.U.Rehman, D.Bhattaria.(2019).Comparative effects of Propofol and Thiopentone sodium in sheep sedated with Xylazine hydrochloride. *Pakistan J. Zool.*, vol. 51(1), 1-7.
 35. Hanif, U.R, Umer, S., Zahoor, U.H., Shakoor, A., Muhammad, K.S., Said, S.A.S., **Khan F.A**, Fazli, R., Muhammad, A.H., Atta, U.R., Irshad, A., Sadeeq, U.R. 2018. The Predominant Incidence of Mycoplasma mycoides subsp. capri in Suspected Cases of Contagious Caprine Pleuropneumonia in Sheep and Goats of Northern Pakistan. *Pakistan Journal of Zoology*, 50(5), 1995-1998.
 36. Irshad Ahmad, Nighat Nawaz, Sadeeq ur Rehman, Abdul Sajid, **Khan F.A**, Sher B. Khan, Muhammad Z. Mustafa, Simon G. Patching. 2018. Multifaceted roles of efflux proteins in prokaryotes. *Asian Journal of Biological and life sciences*.
 37. Xi Chen, Jing Huang, Hongmei Zhu, Yongpeng Guo, **Khan F.A**, Harish Menghwar, Gang Zhao, Aizhen Guo' (2018). P27 (MBOV_RS03440) is a novel fibronectin binding adhesin of Mycoplasma bovis. *International Journal of Medical Microbiology*, doi.org/10.1016/j.ijmm.2018.07.006.
 38. Ren N, JinLi J, Chen Y, Zhou X, Wang J, Ge P, Khan FA, Zhang L, Hu C, Robertson ID, Chen H, Guo A. Identification of new diagnostic biomarkers for Mycobacterium tuberculosis and the potential application in the serodiagnosis of human tuberculosis. *Microb Biotechnol*. 2018, 11(5):893-904. doi: 10.1111/1751-7915.13291.
 39. **Khan F. A.**, Gang, Z., Yusi, G., Muhammad, F., Jin, C., Xi, C., Chenfei, H., Harish, M., Rahim, D. B., Changmin, H., Yingyu, C., Zhang R., Huanchun, C., Aizhen, G. (2018). Proteomics identification and characterization of MbovP730 as a potential DIVA antigen of Mycoplasma bovis. *Oncotarget Vol. 9, (47), 28322-28336*.
 40. Wang J, Zhu X, Xiong X, Ge P, Liu H, Ren N, **Khan F.A**, Zhou X, Zhang L, Yuan X, Chen X, Chen Y, Hu C, Robertson ID, Chen H, Guo A. (2018). Identification of potential urine proteins and microRNA biomarkers for the diagnosis of pulmonary tuberculosis patients. *Emerg Microbes Infect*. 7(1):63. doi: 10.1038/s41426-018-0066-5.
 41. Shah K.S, U. Sadique, S. Ahmad, S. Qureshi, S.U Rahman, Z.U. Hassan, M.A. Khan, T. Ali, **Khan F.A**, H. Khan, H. Khan (2017) Molecular identification and comparative antimycoplasmal activity of three indigenous medicinal plants against Mycoplasma putrefaciens isolated from sheep. *Journal of Animal & Plant Sciences*, 27, 1543-1551.
 42. Shahid Ali Rajput, Lvhui Sun, Niya Zhang, Mahmoud Mohamed Khalil , Xin Gao, Zhao Ling, Luoyi Zhu, **Khan F.A**, Jiakai Zhang, Desheng Qi , (2017). Ameliorative Effects of Grape Seed Proanthocyanidin Extract on Growth Performance, Immune Function, Antioxidant Capacity, Biochemical Constituents, Liver Histopathology and Aflatoxin Residues in Broilers Exposed to Aflatoxin B1. *Toxins*, 9, 371; doi: 10.3390/toxins9110371.
 43. Rahim D.B., Wang L., Talpur S.J., Wu D., **Khan F.A.**, Bhattarai D., Rehman Z, Farmanullah F., Huo L.J. 2017. Toxicity of Nanoparticles on the Reproductive System in Animal Models: A Review. *Frontiers in Pharmacology*, 8: 606, doi: 10.3389/fphar.2017.00606.
 44. **Khan F.A**, Rasheed M.A, Faisal M, Menghwar H, Zubair M, Sadique U, Chen H, Guo A. (2017).Proteomics analysis and its role in elucidation of functionally significant proteins in Mycoplasma bovis. *Microb Pathog*. 111:50-59. doi: 10.1016/j.micpath.2017.08.024.
 45. Menghwar H, Chenfei H, Zhang H, Zhao G, Zhu X, **Khan F.A**, Faisal M, Rasheed MA, Zubair M, Memon AM, Ridley A, Robertson ID, Chen Y, Guo A. (2017).Genotype distribution of Chinese Mycoplasma bovis isolates and their evolutionary relationship to strains from other countries. *Microb Pathog*;111: 108-117 . doi: 10.1016/j.micpath.2017.08.029.
 46. Guo Y, Zhu H, Wang J, Huang J, **Khan F.A**, Zhang J, Guo A, Chen X.(2017). TrmFO, a Fibronectin-Binding Adhesin of Mycoplasma bovis. *Int J Mol Sci*. 2017 Aug 9; 18(8). E1732. doi: 10.3390/ijms18081732.
 47. Rasheed MA, Qi J, Zhu X, Chenfei H, Menghwar H, **Khan F.A**, Zhao G, Zubair M, Hu C, Chen Y, Chen H and Guo A (2017). Comparative genomics of Mycoplasma bovis strains reveals that decreased virulence with increasing passages might correlate with potential virulence-related factors. *Front. Cell. Infect. Microbiol*. 7:177. doi: 10.3389/fcimb.2017.00177.

48. Gang Zhao, Hui Zhang, Xi Chen, Xifang Zhu, Yusi Guo, Chenfei He, **Khan F.A.**, Yingyu Chen, Changmin Hu, Huanchun Chen, Aizhen Guo, (2017). Mycoplasma bovis NADH oxidase functions as both a NADH oxidizing and O₂ reducing enzyme and an adhesin. *Scientific Reports*, 7(1):44. doi: 10.1038/s41598-017-00121-y.
49. **Khan F. A.**, Muhammad, F., Jin, C., Kai, L., Xi, C., Gang, Z., Harish, M., Hui, Z., Xifang, Z., Muhammad, A. R., Chenfei, H., Changmin, H., Yingyu, C., Baranowski, E., Huanchun, C., Aizhen, G. (2016). Immunoproteomic identification of MbovP579, a promising diagnostic biomarker for serological detection of Mycoplasma bovis infection. *Oncotarget*, 7(26), 39376-39395.
50. Han, X.X*, **Khan, F.A***, Xifang, Z., Rui, Z., Riaz, M., Changmin, H., Yingyu, C., Huanchun, C., Aizhen, G. (2015) Establishment of an antibody avidity test to differentiate vaccinated cattle from those naturally infected with Mycoplasma bovis. *Vet J.* 203(1):79-84. (* Equally contributed authors).
51. Shah Fahad, Lixiao Nie, Faheem Ahmed Khan, Yutiao Chen, Saddam Hussain, Chao Wu, Dongliang Xiong, Wang Jing, Shah Saud, **Khan F.A.**, Yong Li, Wei Wu, Fahad Khan, Shah Hassan, Abdul Manan, Amanullah Jan, Jianliang Huang., (2014). Disease resistance in rice and the role of molecular breeding in protecting rice crops against diseases. *Biotechnol Lett.* 36(7):1407-1420.
52. **Khan F.A.**, Z.I. Chaudhry., M.I. Ali., S. Khan., N. Mumtaz., I. Ahmad. (2010). Detection of Mycobacterium avium subsp. paratuberculosis in tissue samples of cattle and buffaloes. *Tropical Animal Health Production* 42: 633-638.
53. Chaudhry. Z. I., **Khan F.A.**, S.Badar,M. Shahid. (2009). Detection of Mycobacterium avium subsp. paratuberculosis in Domestic Ruminants in Lahore, Pakistan. *Pakistan J. Zool.*, vol. 41(2), 160-163.
54. Shah. Z., A. B. Kalthore., A. B. Kachiwal, I. Ahmad., H. Sattar., M. A. Khan., Z. U. Rehman., **Khan F.A.**, T. Hussain., H. A. Ullah. (2013). comparative studies on sedative and analgesic effects of xylazine and detomidine in goats. *J Anim Plant Sci*, 23 (1 Suppl): 39-42.
55. Khan.S. B., U. Sadique, **Khan F.A.**, I. Ahmad, Z. U. Rehman, M. A. Khan, M. Idrees1 and Z. Shah. (2013). Factors affecting efficacy and immunological response of peste des petits ruminants (PPR) vaccines in small ruminants. *J Anim Plant Sci*, 23 (1 Suppl):43-46.
56. Ahmad, I., T.A.Qureshi., **Khan, F.A.**, S.A.K. Mughal, U.Sadique., Z.Shah., S.Khan., Z. Hassan. (2012). Evaluation of biochemical effects of diclofenac sodium in goats. *J Anim Plant Sci*, 22 (2 Suppl): 1-4. (IF- 0.585),
57. Rehman.Z.U., M.U.Samo., T.A. Qureshi., S. Khan., M.S. Qureshi., **Khan F.A.**, S. Bahadar. (2012). Studies On The Freezability Of Kundhi Buffalo Bull Semen . *J anim plant sci*, 22 (2 Suppl): 18-23. (IF- 0.585).
58. Khan. Q., Z.U. Rehman., M.U.Samo., A.Raziq., I.Ahmad., Khan, F.A., M.Younus., F.H.Samo.,D.Muhammad. (2012). The effect of pgf 2 α analogue with or without gnrh on fertility rate of anestrus kundhi buffalo. *J anim plant sci*, 22 (2 Suppl): 51-54.
59. Nawaz, A., Z.I.Chaudhry., M.Shahid., S.Gul., **Khan F.A.**, M.Hussain. (2012). Detection of Mycobacterium tuberculosis and Mycobacterium bovis in sputum and blood samples of human. *J Anim Plant Sci*, 22 (2 Suppl): 117-120.
60. Mughal. S.A.K., Shahid, F., Gulzar, A., Tarique, H., Ijaz, A., **Khan F.A.**, Om, P (2011). Studies on prevalence of h7 and h9 serotypes of avian influenza in commercial layer and broilers in Karachi, Pakistan. *African journal of microbiology research* 10/2011; 5(24):4237-4239.
61. Mughal. S.A.K., G. Ahmed., T.Hussain., S.A.Fazlani., I. Ahmed., **Khan F.A.**, (2011).In vivo pathogenicity of hydropericardium hepatitis syndrome (Angara disease). *African Journal of Biotechnology* 10(62): 13664-13671.
62. Mughal. S.A.K., T.Hussain., M.A. Qureshi., G. Ahmed., S.A.Fazlani., I. Ahmed., **Khan F.A.**, (2011). Evaluation of serological response of chicks against angara disease agent through indirect haemagglutination test. *African Journal of Microbiology Research* 5(23): 3991-3993.
63. Rehman. Z.U., D. Muhammad., F. Muhammad., Z.U. Rehman., **Khan F.A.**, K. Kaleem., M. Rizwan. (2010). Immunological and growth promoting activity of Milk Thistle (Silybum Marianum) in Broiler. *Life Sciences International Journal* 4: 1530-1537.
64. Khan. R.W., **Khan F.A.**, K. Farid., I. Khan., M. Tariq. (2009). Prevalence of Infectious Bursal Disease in broiler in district Peshawar. *ARNP, JABS* 4: 1. Cited 5.
65. Shahid. K., F.U. Hassan., S.R.Shah., Khan, F.A., S.K. Ullah., I.Uddin. (2013).Study of the Presence of Chicken Anemia Virus in Liver Homogenate Used as a Vaccine against Hydro Pericardium Syndrome in Broiler. *ARNP, JST*, 2, 8.
66. Khan, M.I., and **Khan F.A.**, (2008). Highly Pathogenic Notifiable Avian Influenza (HPNAI) “A Review on control options”. *Life Sciences International Journal* 2, 2: 645-651
67. Khan. K., S.U. Rehman., M.A. Khan., Khan, F.A., S. Bahadar. (2008). Physical and chemical quality appraisal of commercial yoghurt brands sold at Lahore. *ARNP JABS* 3: 3.

68. Anwar, S., **Khan F.A** and A. Rahman. 2019. Impact of karakoram highway on land use and agricultural development of Gilgit-Baltistan, Pakistan. *Sarhad Journal of Agriculture*, 35(2): 417-431.
69. Khan, F. A., Xi, C., Gang, Z., Zubair, D., Atta M. M., Ijaz A., Umar., Sarzamin K., Huanchun, C., Aizhen, G. Vaccine; a rational control strategy for *Mycoplasma bovis*. *Microbial Pathogenesis* (Under Review)
70. Mumtaz. N., Z.I. Chaudhry., N. Mahmood., A.Z. Durrani., Khan, F.A. (2008). Comparison of multiplex PCR and conventional methods for the detection of tuberculosis (TB) in humans and bovines. Abstract of 1st International Symposium on Biotechnology; Current Trends organized by Department of Biotechnology, University of Malakand, Sponsored by HEC, Pakistan- Abstract.
71. MK Shah, U. Sadique, S. Ahmad, S. Qureshi, **Khan F.A**, S. Khan, W. Shahzad, H. Rehman, SSA Shah, M. Faisal. (2017). Prevalence of *Mycoplasma mycoides* sub.sp capri in different climatic zones of KPK, Pakistan. 3rd International Conference, January 10-11, 2017, Agriculture, Food, and Animal Sciences ICAFAS 2017, Sind Agricultural University Tandojam, Pakistan- Abstract.