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1. **Ph.D. Animal Nutrition**, (2011), Institute of Animal Nutrition and Feed Technology University of Agriculture Faisalabad.
2. **M.Sc. (Hons.) Animal Nutrition**, (1998), Department of Animal Nutrition University of Agriculture Faisalabad.

List of Publications:

1. Shafiq M, J. Hussain, S. Mehmood, U. Farooq, R. Mustafa, S. Aslam, M.T. Khan, F. Ali, **M.F. Khalid**, M.I. Ullah, B. Siddique, Z.M. Iqbal, H. Khaliq, A. Ahmad & Z. Li. 2025. Phenotypic Characterisation of Four Naked Neck Chicken Ecotypes Indigenous to Pakistan. South Afric. J.anim. Sci., 55(4): 212-224.
2. Liaqat, W., U. Anwar, A. Fatima, A. Rafique, R. Mustafa, U. Farooq, F. Ramzan, W. Abbas, **M.F. Khalid**, M. Ashraf, M. Riaz, M.Q. Bilal & M.A. Rahman. 2025. Effect of ideal Amini Acid Ratio of Arginine to Lysine on Intake, Nutrient Digestibility, Growth Performance, Antibody Titers of Newcastle Disease and Infectious Bronchitis Disease, and Carcass Characteristics of Broilers. Animals., 15(135)
3. Chisti M.F.A., M.A.U. Rehman, M.Q. Bilal, M. Riaz, **M.F. Khalid**, Z.U. Rehman, U. Anwar, R. Mustafa, W. Abbas & U. Farooq. 2025. Particle Size of Wheat Straw from Genetically Improved Wheat Affects the Production Performance and Feeding Behavior of Sahiwal Cows. Trop. Anam. Hea. Prod., 57:16.
4. F. Raziq., M.T. Khan, A. Ullah, U. Farooq, R. Akhtar, B. Siddique, G. Abbas, F. Ali, S. Aslam, H. Khaliq, H. Ali, **M.F. Khalid**, M.I. Ullah, H.M. Aljawdah & M.A. Farah. 2025. Effects of Various Semen Extenders on the Hatching Characteristics of Japanese Quail. Braz. J.Poult.Sci., 27(1):001-010.
5. Shah, M.H., M.F. A. Chishti, U. Anwar, W. Abbas, R. Mustafa, U. Farooq, F. Ramzan, **M. F. Khalid**, M. A. Rahman, M. Riaz and M.Q. Bilal, 2024. Evaluation of Chemical Composition and In-Situ Digestion Kinetics of Industrial Hemp Silage and Hay. Pak. J. Agri. Sci., 61(3), 941-946; 2024. DOI:10.21162/PAKJAS/24.237 <http://www.pakjas.com.pk>
6. Abbas, G., A. H. Hashmi, M. Kamal, R. Mahmood, G. R. Zahid, H. W. Sohail, M. A. Naveed, M. Arshad, H. Yan, Q. Niu, Y. Xiangping, U. Farooq, M. Auon, **M. F. Khalid**, I. Lughari, H. Nawaz, S. Jaffery, 2024. An augmented review on Monkeypox (An emerging public health threat) in Pakistan. LGU. J. Life Sci 8(4): LGUJLS MS. ID. 234(2024). DOI: <https://doi.org/10.54692/lgujls.2024.0804372>
7. Abbas, G., A. H. Hashmi, S. M. Hassan, M. Kamal, S. Jaffery, G. R. Zahid, M. A. Naveed, M. Arshad, U. Farooq, M. Auon, **M. F. Khalid**, 2024. Factors contributing to the demotivation of

teachers in public and private sector universities: A comprehensive analysis (An augmented review). DOI: <https://doi.org/10.54692/ajss.2024.822288> (AJSS) Vol. 8.

8. Mobashar, M., M.T.Khan, M.Majan, S. Ahmad, U. Farooq, **M.F.Khalid**, R.Mustafa, N.Khan, A.B.Sadiq, A.Shah, Ahmed A., A.A.Wareth, 2023. Urea molasses mineral block under various feeding system improved nutrient digestibility, Productive performance and blood biochemical profile of Yaks. <https://doi.org/10.1186/s12917-023-03676-3>
9. Anwar, U., M.Q.Bilal, **M.F.Khalid**, R.Mustafa, U.Farooq, M.Ashraf , H. Munir, M.Auon, M.Hussain, M.F.A Chisti, A.Rehman & M.A.U.Rehman, 2023. Impact of storage on chemical composition of wheat and efficiency of its utilization in broilers. Sustainability-15, 7129. . <https://doi.org/10.3390/su15097129>.
10. Anwar, U., M.Riaz , **M.F.Khalid**, R.Mustafa, U.Farooq, M.Ashraf , H. Munir,M.Auon M.Hussain, M.F.A Chisti, M.Q.Bilal, M.A.U.Rehman, 2023. Effect of Xylanase and phytase, individually or in combination on performance, Nutrient Digestibility, Digesta viscosity and carcass characteristics broiler fed wheat based diet. Animals,13(278).
11. Afzal, S.A., U.Farooq, **M.F.Khalid** , S.L. Butt and G. Abbas, 2022. Effect of Xylo-Oligisaccharide and Xylanase Supplementation on Growth Performance, Carcass Characteristics, Nutrient Digestibility, and Intestinal Histology of Broilers. Pak.J.of.Sci. vol. 74 No. 4 Dec, 2022.
12. **Khalid, M.F.**, U. Farooq, R. Mustafa, M.Auon, A.Wahaab, U. Mahmood, N. Huda, M.E.khan, J.Hussain and S. Mahmood, 2022. Extender ability to store chicken sperm by using L-Carnitine, Methionine and honey. J.Glob.Innvo.agric.sci.10(4):211-217
13. Farooq, U., **M.F., Khalid**, R.Mustafa, M.Auon, A.Wahaab, S. Mahmood, N. Huda, M.E.khan, J.Hussain and S. Mahmood, 2022. Effect of blends of Betaine, choline Ascorbic acid and Xylanase enzyme on the nutrient digestibility hemato-serological properties and response to severe heat in broiler. J.Glob.Innvo.agric.sci.10 (4):247-253.
14. Tariq, M., S.Ahmad, G. Abbas, R. Mustafa, H.Sultan, M.Abudullah, **M.F.Khalid**, U.B.Chema, M. Arshad and R.A.M.Qurashi 2022. Pakistan meat industry: Prospects and challenges for the future meat supply chain potential.Pak.J.of.Sci.74 (1):01-11.
15. Basharat,M.H.,M.Tariq, R. Mustafa, Amar Akash, H.H.Talib , M.N. Aziz, A.Noel,A.Zeb, **M.F.Kahlid**, F.Soomroo, Q.Mushtaq and M.Fatima 2022. Biologically synthesized zinc oxide Nanoparticles and Carbon Tetrachloride as an anticancer Drug: A Review. P.J.M.H.S 16(6):1046-1049.
16. Farooq, U., **M.F., Khalid**, R.Mustafa, M.Auon, A.Wahaab, S. Mahmood, Z.U.Rehman N. Huda, M.K. Bashir , M.E.khan, J.Hussain and S. Mahmood, 2022. Supplementation of Herbal Seeds to Improve the Growth Performance and Digestion in Japanese quail (Cotornix Cotornix Japonica). Agrobiol Rec.10:19-25.
17. Ashraf, M., A. U. Haq, F. Ahmad, Z. D. Sindhu, A. R. Asif, U. Farooq, **M. F. Khalid**, M. Auon, M. Sharif. 2019. Right Choice and Proportion Can Make Blend of Oils A Good Growth Promoter And A Potential Source For Designer Meat Production In Chicken. Pak. J. Agri. Sci., DOI: 10.21162/PAKJAS/19.7565.

18. Arslan A. U., M. K. Bashir, **M. F. Khalid**, M. Auon, U. Farooq, M. Ashraf, S. Shakeel, Shahid-ur-Rehman. 2018. Economic Analysis of Broiler Production in Environment Controlled Houses in District Faisalabad. Pak. J. Agri. Sci., Vol. 55(3), 699-701.
19. Bashir , M.K., M. I. Mustafa , M. Lateef , P. Akhtar, **M. F. Khalid** , S.U. Rehman and U. Farooq. 2015. Reproductive Performance of Nili-Ravi Buffaloes Kept Under Farm Conditions in Pakistan. Pak. j. life soc. Sci. (2015), 13(2): 104-109.
20. Bashir, M.K., M.S. Khan, M. Lateef, M.I. Mustafa, **M.F. Khalid**, S.U. Rehman and U. Farooq 2015. Environmental Factors Affecting Productive Traits and their Trends in Nili-Ravi Buffaloes. Pak. j. life soc. Sci. (2015), 13(3): 137-144
21. Mukhtar, N., S.H. Khan, S. A. hadi and **M.F. Khalid**. 2013. "Use of Mobile Phones and its Accessories at poultry Farms- A stern Breach of Biosecurity. Rev. Vet. And Anim. Sci. 1; 1-6.
22. **Khalid, M.F.**, M. Hussain, A.U. Rehman, M. A. Shahzad, M. Sharif and Z.U. Rahman. 2013. "Broiler Performance in response to phytate and supplemented phytase". Ir. J. Appl. Anim. Sci. 3(1); 1-12
23. Munawar, M., U. Safdar, M. Luqman, T.M. Butt, M.Z.Y. Hassan and **M.F.Khalid**. 2013. "Factors inhibiting the Participation of rural women in livestock production activities". J. Agric. Res., 51(2); 213-219.
24. M. Hussain, A.U. Rehman and **M.F. Khalid**. 2012. Feeding value of guar meal and the application of enzymes in improving nutritive value for broilers. Worlds Poult. Sci. J. June 2012 -Vol. 68(02) : 253-268. **International**
25. Hassan., M.Z.Y., T.M. Butt., **M.F. Khalid**, K. Mahmud, M.U. Nisa, A.U. Rehman, N. Iftikhar, N. Mukhtar, M. Hussain 2012. Impact of Poultry extension service for the rural women. Afr. J. Agric. Res. Vol. 7(12), pp. 1893-1900, 26 March, 2012 (DOI:10.5897/AJAR11.1626. (**International**)(Impact Factor=0.263)
26. **Khalid M.F.**, Sarwar M., Rehman A.U., Shahzad M.A. and Mukhtar N. 2012. Effect of Dietary Protein Sources on Lamb's Performance: A Review.. Iranian J. of Applied Anim. Sci. Vol. 2, pp:111-120.**International**
27. Shahzad M.A., M.Sharif, M.Nisa, M.Sarwar, **M.F.Khalid** and H.A.Saddique. 2011. Changing certain dietary Cationic and Anionic minerals: Impact on Blood Chemistry, Milk Fever and Udder Edema in Buffloes during winter. Afric. J.of Biotech. 10(62) pp: 13651-13663. **International**
28. **Khalid, M. F.**, Shahzad, M. A., Sarwar, M., Rehman, A. U., Sharif, M. and Mukhtar, N. 2011. Probiotics and lamb performance: A review. Afric. J.of Agric. Research. 19 October; 6(23): pp. 5198–5203, DOI: 10.5897/AJAR11.1134. **International**
29. M.Sharif, M. Adrees, N.A.Tauqir, M.A.Shahzad, **M.F.Khalid**, M.Nisa, M.Sarwar and M.L.Khan. 2012. Effect of water treatment of sorghum on the performance of broiler chicks. South Afric. J. Anim. Sci. 42 (2).
30. **M.F.Khalid**, M. Sarwar, M. Nisa and Z. U. Rahman. 2011. Response of growing lambs fed on different vegetable protein sources with or without probiotics. Int. J. of Agric. & Bio, 13:332-338.

31. **M. F. Khalid**, M. Z. Alam, F. Ahmad and S. Mehmood. 2000. Use of cotton seed meal in broiler rations formulated on the basis of total vs. digestible amino acids. *Int. J. of agric. & Bio*, 2(4): 346-347.
32. Ali, M., M. Sharif, J. I. Sultan, S. Rehman, **K. Farooq** and M. L. Khan. 2012. Influence of varying levels of Bergafat on Performance of Broiler Chicks. *J. Anim. P. Sci.* 22 (4):853-856.
33. Altaf Hussain, Wu Tiantian, Fan Linjin, Wang Yulong, Li Kai, Gao Li, **Muhammad Farooq Khalid**, Wang Yongqiang, Gao Yulong, Liu Changjun, Cui Hongyu, Qing Pan, Zhang Yanping, Muti-ur-Rehman Khan, Munir Muhammad, Wang Xiaomei and Qi Xiaole. 2019. The Dominant Epidemic of the Unique Reassortment Strains of Infectious Bursal Disease Virus in Pakistan. *Journal of Integrative Agriculture*. JIA-2019-1199.
34. Rehan, M. A., A. Aslam, M. R. Khan, M. Abid, S. Hussain, J. Ambar, A. Anjum, A. Hussain and **M. F. Khalid**. 2019. Immuomodulatory Role of Vitamin D in Infectious and Non-infectious diseases: A review. *Hosts and Viruses*. 6(5): 215

Abstracts in National/International Scientific Proceedings/Conferences

1. Muhammad Tariq, Muhammad Farooq Khalid, Zia-Ur-Rehman, Muhamad Ashraf, Muhammad Usman, Riaz Mustafa, Muhammad Umer Farooq, Sheharyar Ahmad and Faisal Shafiq. Navigating Challenges and Charting a Course: The Future of Pakistan's Layer Sector. *Proceedings of Int. Layer Quality Conference-2024*.
2. Mustafa,R., U.Farooq, M.F.Khalid, M.Auon, U.Mahmood, M. Tariq, A Ihsan, Z. Rehman, M. Usman, M. Ashraf, W. Shafique, M. Sarfraz, R. Saleem, F. Tariq, M.A. Rehman. Effect of Supplementation of Feed With Chicken Fat Oil, Canola Oil and Bio-Emulsifier on Growth Performance and Blood Chemistry in Broiler Chicken. *Proceedings of Int. Layer Quality Conference-2024*.
3. Muhammad Farooq Khalid, Umar Farooq, Muhammad Auon, Umair Mahmood. Effect of *Curculigo Orchioides* Rhizomes (Kali Musli) and *Chlorophytum Borivilianum* (Safed Musli) on Reproductive Performance of Chickens. *Proceedings of Int. Layer Quality Conference-2024*.
4. Mustafa,R., M.F.Khalid, U.Farooq, M.Auon, U.Mahmood, M. Tariq, A Ihsan, A. Zaman, Z. Rehman, M. Usman, M. Ashraf, W. Shafique, M. Sarfraz, R. Saleem, F. Tariq, U. Farooq. Evaluation of Solitary and Comparative Efficacy of Vinegar and Different Yogurt on the Performance and Immune Status of Broilers. *Proceedings of Int. Layer Quality Conference-2024*.
5. Umair Mahmood, Umar Farooq, **Muhammad Farooq Khalid**, Zia Ur Rehman, Nabia, Sadia Iftikhar, Alina Shahzadi. Computational and Molecular Aspects of Chicken Ovalbumin of *Gallus gallus*. Two day Int. Symposium of Drug Discovery and Development. (ISDDD-2024).
6. Umair Mahmood, Shazia A. Bukhari, Zubair M. Ahmed, **Muhammad Farooq Khalid**, Zia Ur Rehman, Umar Farooq. Identification of Novel Hearing Loss Variant of SERPINB6 in Pakistani Family. Two day Int. Symposium of Drug Discovery and Development. (ISDDD-2024).

7. Sahrish Younus, Tahir Maqbool, Umair Mahmood, Maleeha Wajid, Samina Anum and **Muhammad Farooq Khalid**. Synthesis and Biological Evaluation of Cd²⁺ metal complex of 4-methyl-N-(5-(4-nitrophenyl) furan-2-yl-methylene)-1-Phenyl-1H-pyrazole ligand. Int. Conf. of Chem, Mat & Tech. (CMT-2023).
8. Umair Mahmood, Shazia Anwar Bukhari, Huma Arshad Cheema, Saqib Mahmood, **Muhammad Farooq Khalid** and Umar Farooq. Computational Aspects of Wild Galactose-1-phosphate Uridyltran-sferase (GALT) Gene with its most common Q188R variant. Int. Conf. of Chem, Mat & Tech. (CMT-2023).
9. Umar Farooq, Muhammad Sharif, Muhammad Aziz-ur-Rehman, Muhammad Ashraf, Umar Farooq, **Muhammad Farooq Khalid**, Zia-ur-Rehman and Umair Mahmood. Investigation of Antioxidant Activity and Serum Mineralization of Ca, P, Mg, Na, K, and U in Commercial layers. Int. Conf. of Chem, Mat & Tech. (CMT-2023).
10. Umair Mahmood, Huma Arshad Cheema, Saqib Mahmood, **Muhammad Farooq Khalid**, Umar Farooq and Zia-ur-Rehman (posts presentation). Computational and Biochemical Comparative Aspect of Wild GALT Gene with its most common Q188R and N314 D variants. Two Day Int. Symp. On Recent Advances in Life Sciences (RALS) March 17-18, 2023.
11. **Muhammad Farooq Khalid**, Umar Farooq, Maliha Sarfraz, Umair Mahmood, Memona Saeed, Noor-ul-Huda, Abdul Wahab and Talha Hussain. Effect of different copper sources on Growth Performance in broilers. 2022. ICAZ-KFUET Pak (oct,17-18)
12. Umar Farooq, **Muhammad Farooq Khalid**, Riaz Mustafa, Zia-ur-Rehman, Muhammad Auon, Abdul Wahab, Umair Mahmood, Memona Saeed and M. Salman. Effect of flaxseed meal, Canola Meal and Fish Meal on Growth Performance and serum cholesterol concentration on quails. 2022. ICAZ-KFUET Pak (oct,17-18)
13. Umair Mahmood, Umar Farooq, **Muhammad Farooq Khalid**, Riaz Mustafa, Zia-ur-Rehman, Muhammad Auon, Abdul Wahab, Memona Saeed, and M. Jahanzaib. Higher Arginine to lysine Ratio Effect broilers growth performance positively. 2022. ICAZ-KFUET Pak (oct,17-18)
14. Muhammad Auon, Umar Farooq, **Muhammad Farooq Khalid**, Riaz Mustafa, Zia-ur-Rehman, Umair Mahmood, Muhammad Tariq, Abdul Wahab, Noor-ul-Huda, Bahar-e-Mustafa, Memona Saeed and Abdullah Toor. Effect of emulsifier on Broilers performance fed on energy deficient diet. 2022. ICAZ-KFUET Pak (oct,17-18)
15. Memona Saeed, Umar Farooq, **Muhammad Farooq Khalid**, and Riaz Mustafa. Effect of Heatstress on Production Performance in Poultry, RGVAS-2022-SA45
16. Memona Saeed, Umar Farooq, **Muhammad Farooq Khalid**, and Riaz Mustafa. Evaluation the effect of male and female Body Weight on number of eggs and Fertility in Japanese quail. 2022. International Poultry Expo (sep, 15-17) Lahore
17. Umar Farooq, **Muhammad Farooq Khalid**, Muhammad Auon, Salman Latif Butt, Umair Mahmood, Fahad Mehmood and Memona Saeed. Use of organic Selenium Enhance Reproduction Performance of Local Chicken Breeders. 2022. International Poultry Expo (sep, 15-17) Lahore

18. Umar Farooq, Muhammad Usman, **Muhammad Farooq Khalid**, Muhammad Auon, Umair Mahmood and Arshad Nawab. Use of organic and In-organic Acids as alternatives of Antibiotic growth Promotes in Broilers diet. 2022. International Poultry Expo (sep, 15-17) Lahore
19. Noor-ul-Huda, Zia-ur-Rehman, Riaz Mustafa, **Muhammad Farooq Khalid**, Wasif Shafique and Ushna Mushtaq. Moringa Oleifera: Nutritional significance and nutraceutical attributes. 1st International PKNC conference (Nov, 7-8) 2022.
20. Noor-ul-Huda, Zia-ur-Rehman, **Muhammad Farooq Khalid**, Riaz Mustafa, Umar Farooq and Wasif Shafique. Maternal under nutrition: Consequence and impact on later life of Newborn. 1st International PKNC conference (Nov, 7-8) 2022.
21. AGPs or Hydrolyzed Tannin and Calcium Butyrate on Growth Performance in broilers. ICAZ (Oct, 17-18) 2022.
22. Memona Saeed, Umar Farooq, **Muhammad Farooq Khalid**, Riaz Mustafa. Effect of Hormone Manipulation on Hatch Sex Ratio in Birds. 4th WPSA Int. (virtual) One Health Conference, 09-10 Sep, 2021.
23. Memona Saeed, Umar Farooq, **Muhammad Farooq Khalid**, Riaz Mustafa. Effect of Butyrate Supplementation on Live Performance and Gut Health in Broilers. 4th WPSA Int. (virtual) One Health Conference, 09-10 Sep, 2021.
24. Use of Organic Selenium Enhances Reproductive Performance of Aged Broiler Breeder. World's Poultry Congress (WPC-2020)
25. Chicken Production and 2020 Challenges of Climate Change. Climate-Resilient Smart Soil Management, (Int. Conference 2020).
26. **Muhammad Farooq Khalid**. Comparative Efficacy of Organic, In-organic and Mixed Type Toxin Binders to Counter Feed Toxicity in Quails. 2019. International Poultry Expo; Sep, 2019.
27. **Muhamamd Farooq Khalid**, Umar Farooq, Umair Mahmood, Muhammad Auon, Muhammad Ashraf, Riaz Mustafa, Muhammad Salman Latif Butt and Nousheen Arshed. 2019. Comparative Efficacy of Different Toxin Binders to Counter Feed Toxicity in Broiler Diet. ICAZ Dec, 19-20.
28. Ahmad Umair, Umar Farooq, **Muhammad Farooq Khalid**, Riaz Mustafa, M. Aoun, Umair Mahmood, Muhammad Yaqub, Mamoon Saeed and Nousheen Arshed. 2019. Effect of Different Protein Sources on Growth Performance and Carcas Characteristics in Japanese Quails. ICAZ Dec, 19-20.
29. Nousheen Arshed, Umar Farooq and **Muhammad Farooq Khalid**. 2019. Effect of Age of Laying Hen on Yolk Deposition in Ovary. ICAZ Dec, 19-20.
30. Nousheen Arshed, Umar Farooq and **Muhammad Farooq Khalid**. 2019. Comparative Effect of Compact Fluorescent Light with Different Light Colors of Light Emitting Diodes on Egg Quality of Commercial Layers. 3rd WPSA International Layer Quality Conference, UAF, Pakistan.
31. Umar Farooq, **Muhammad Farooq Khalid**, Muhamamd Auon, Umair Mahmood, Muhammad Ashraf and Salman Latif Butt. 2019. Supplementation of Natural Herbs

Improves Post Peak Reproductive Performance of Layer Breeder. 3rd WPSA International Layer Quality Conference, UAF, Pakistan.

32. Mudassar Ahmad, Memona Saeed, **Muhammad Farooq Khalid** and Riaz Mustafa. 2019. Effect of Palm Kernel Meal on Broiler Performance. 3rd WPSA International Layer Quality Conference, UAF, Pakistan.
33. Memona Saeed, **Muhammad Farooq Khalid**, Umar Farooq and Riaz Mustafa. 2019. Toxin Binders in Poultry Feed. 3rd WPSA International Layer Quality Conference, UAF, Pakistan.
34. M. Zohaib Arshad, Memoona Saeed, Bahar E Mustafa, **Muhammad Farooq Khalid**, Muhammad Tariq, Muhammad Ashraf and Umar Farooq. 2019. Organic Acid: A Potential Marination to Improve Safety of Meat. ProcNat/Seminar/Dairy Science Park V-2019 Quetta; Livestock Expo Balochistan 19-21 Nov 2019.
35. Ashraf, M., **M.F. Khalid**, F. Ahmad, U. Mahmood and M. Auon. 2018. Sweet Orange Pulp Supplementation Improves Growth Performance of Chicken Broiler. 6th MPS-Torino-Italy- world's poult. Sci. J.vol. 74.
36. Afzal. M., U. Farooq, M.M. Yasin, M. Ashraf, **M.F. Khalid**, U. Mahmood and M. Aoun. 2018. Strategies to Alleviate Heat Stress in Poultry. 6th MPS-Torino-Italy- world's Poult. Sci. J. vol. 74.
37. Noucheen. Ch., F. Ahmad, U. Farooq, M. Ashraf, **M.F. Khalid**, M.K. Bashir, S.U. Rahman and U. Mahmood. 2018. Comparative Effect of Green and White Light Emitting Diodes on Production Performance of Commercial Layer. 6th MPS-Torino-Italy- world's poult. Sci. J.vol. 74.
38. Farooq. U., A. Hussain, M. Ashraf, **M.F. Khalid**, U. Mahmood, M.Q. Bilal, M. Aoun and M.K. Bashir. 2018. Effect Of Supplementation of Exogenous Xylenase And Mananase Enzymes on the Growth Performance Of Broiler In Tropics. 6th MPS-Torino-Italy- World's Poult. Sci. J.vol. 74.
39. Ashraf. M., U. Mahmood, A. Mustafa, **M.F. Khalid**, F. Ahmad, U. Mahmood and M. Auon. 2018. Comparative Efficiency of Neem, Aloe Vera and Moringa Leaf Extract on Immune Response of Broiler. 6th MPS-Torino-Italy- World's Poult. Sci. J.vol. 74.
40. Farooq. U., **M.F. Khalid**, M.K. Bashir, M. Ashraf, U. Mahmood, M. Auon, M. Usman. B.E. Mustafa and A. Raza. 2018. Is there any Relation Between Consumption of Meat and Health Issue; Perception Of Youth. 6th MPS-Torino-Italy- World's Poult. Sci. J. vol. 74.
41. Farooq. U., **M.F. Khalid**, M.K. Bashir, M. Ashraf, U. Mahmood, M. Auon and A. Raza. 2018. Chicken, Mutton, Beef or Fish; What Litrary Youth of District Toba Tek Singh Like to Eat. 6th MPS-Torino-Italy- World's Poult. Sci. J.vol. 74.
42. Ashraf, M., U. Farooq, **M.F. Khalid**, U. Mahmood, M. Usman, M. Auon, B.E. Mustafa, and S. Hussain. 2018. Choice of Strain and Adoption of Bio-Security can Help Reducing Disease Out Brakes In Commercial Layer Production. 6th MPS-Torino-Italy- World's Poult. Sci. J.vol. 74.

43. **Khalid, M.F.**, U. Farooq, M.K. Bashir, M. Auon, B.E. Mustafa, Q. Bilal and A. Abbas. 2018. Effect of Replacement of Choline With Betaine on Organoleptic Properties. Int. Conf. Appl. Zool. 10-11, Oct.
44. **Khalid, M.F.**, U. Farooq, M.K. Bashir, M. Auon, M.Q. Bilal and A. Ali. 2018. Effect Of Pomegranate Peel Powder Supplementation on Organoleptic Properties of Broiler Meat. Int. Conf. Appl. Zool. 10-11, Oct.
45. Farooq, U., **M.F. Khalid**, U. Mahmood, M. Usman, M. Auon, M. Afzal. 2018. Semen Supplementation L-Carnitine Improves Chicken Sperm Survival During Liquid Semen Storage. Int. Conf. Appl. Zool. 10-11, Oct.
46. Ali, K., P. Akhter, Rehman. M. U., **M.F. Khalid**, M. Ashraf, S. Masood, M. Ai, S. Ahmad, M. Tariq, M. Auon, U. Hasan, R. Mustafa. 2017. Effects of Natural Antioxidants, Carminative and Antiflatulent Agents on Growth Performance, Hematological and Serological Response in Broilers. Intl. Poult. Conf. and Expo.
47. Khan, E., U. Farooq, U. Hassan, **M.F. Khalid**, M.K. Bashir, S.U. Rehman, M. Asshraf, M. Auon, M. Mahmood, U. Mahmood, P. Akhtar, M. Usman and M. Ashraf. 2017. Awareness, Development and Customization of Meat Processing Industry. Int. Conf. Foods. Anim. Origin. 30-31 march 2017.
48. Mahmood, U., S.U. Rehman, P. Akhtar, K. Jilani, S. Bukhari, S. Mahmood, **M.F. Khalid**, M.K. Bashir, U. Farooq, M. Auon and M. Ashraf. 2017. Good Protein and Bad Protein: Biochemical Correlation of Bad Protein with Type II Diabetes. Int. Conf. Appl. Zool. 10-11, Oct.
49. Farooq, U., **M.F. Khalid**, M.K. Bashir, S.U. Rehman, M. Asshraf, M. Auon, M. Mahmood, U. Mahmood, P. Akhtar, M. Usman, M. Ashraf and A. Fayyaz. 2017. Pigeon Meat –Potential Source of Diversified Animal Food in Pakistan . Int. Conf. Foods. Anim. Origin. 30-31 march 2017.
50. Farooq, U., **M.F. Khalid**, M.K. Bashir, , S.U. Rehman, M. Asshraf, M. Auon, U. Hassan, M. Mahmood, , U. Mahmood, P. Akhtar, M. Usman, M. Ashraf and A. Fayyaz. 2017. Japanese Quail- Excellent Source of Quality Meat and Eggs. Int. Conf. Foods. Anim. Origin. 30-31 march 2017.
51. Zulfiqar, Z., U. Farooq, U.H. Khan, **M.F. Khalid**, M.K. Bashir, S.U. Rehman, M. Ashraf, M. Auon, M. Mahmood, U. Mahmood, P. Akhtar, M. Usman and M. Afzal. 2017. Role of Nanotechnology in Food Processing and Preservation. Int. Conf. Foods. Anim. Origin. 30-31 march 2017.
52. Farooq, U., E. Khan, U.H. Khan, **M.F. Khalid**, M.K. Bashir, S.U. Rehman, M. Ashraf, M. Auon, M. Mahmood, U. Mahmood, P. Akhtar, M. Usman and M. Afzal. 2017. A Glance: Consumer Behavior, Attitude and Knowledge. Int. Conf. Foods. Anim. Origin. 30-31 march 2017.
53. Afzal, M., U. Farooq, **M.F. Khalid**, M.K. Bashir, M. Ashraf, U. Mahmood and P. AKhtar. 2017. Health risk Associated with Chicken Meat: How to avoid Contamination. 2017. Int. Conf. Poul. Proce. 1-2, November 2017.

54. Farooq, U., M.E. Khan, **M.F. Khalid**, M.K. Bashir, M. Ashraf, U. Mahmood and P. AKhtar. 2017. Xylanase and Betaine Supplementation Improves Carcass Characteristics in Chicken Broilers During Summer. Int. Conf. Poul. Proce. 1-2, November 2017.
55. Ali, Q., U. Farooq, P. Akhtar, **M.F. Khalid**, M. Ashraf, M.K. Bashir, U. Mahmood and M. Usman. 2017. Electrolyte Supplementation is Useful in Securing Meat Quality of Broilers During Transportation in Hot Summer Conditions. Int. Conf. Poul. Proce. 1-2 November 2017.
56. Mumtaz, Q., Z.U. Rehman, U. Farooq, **M.F. Khalid**, M.K. Bashir. S.U. Rehman, U. Mahmood, M. Ashraf, M. Auon and P. AKhtar. 2017. L-Carnitine Supplementation improves Broiler Performance in Tropics. World. Vet. Poult. Assoc. Cong. 4-8 September 2017.
57. Ashraf, M., U. Farooq, **M.F. Khalid**, M.K. Bashir. S.U. Rehman, U. Mahmood, M. Auon and P. Akhtar. 2017. Investigation of Supplementation of Neem and Aloe Vera Extracts on Growth Performance of Broilers. World. Vet. Poult. Assoc. Cong. 4-8 september 2017.
58. Mumtaz, Q., U. Farooq, Z.U. Rehman, **M.F. Khalid**, M.K. Bashir. S.U. Rehman, U. Mahmood. M. Ashraf, M. Auon and P. AKhtar. 2017. Influence of Vitamin C Supplementation in Chicken Broilers to Ameliorate the Transportation Stress in Tropic. World. Vet. Poult. Assoc. Cong. 4-8 September 2017.
59. Khan, M.E., U. Farooq, **M.F. Khalid**, M.K. Bashir, S.U. Rehman, U. Mahmood. M. Ashraf, Z.U. Rehman, M. Auon and P. Akhtar. 2017. Effect of Choline Supplementation on Hematological Parameters of Broilers under Continuous Heat Stress. World. Vet. Poult. Assoc. Cong. 4-8 September 2017.
60. Khan, M.E., U. Farooq, **M.F. Khalid**, M.K. Bashir. S.U. Rehman, U. Mahmood. M. Ashraf, Z.U. Rehman, M. Auon and P. Akhtar. 2017. Effect of Betaine Supplementation on Growth Performance of Broilers in Tropic. World. Vet. Poult. Assoc. Cong. 4-8 September 2017.
61. Mumtaz, Q., Z.U. Rehman, U. Farooq, **M.F. Khalid**, M.E. Khan, S.U. Rehman, M.K. Bashir, M. Ashraf, U. Mahmood, M. Auon and P. Akhtar. 2017. Effect of Sodium Bicarbonate Supplementation on Blood Parameters of Broiler. World. Vet. Poult. Assoc. Cong. 4-8 september 2017.
62. Afzal, M., U. Farooq, **M.F. Khalid**, M.K. Bashir. S.U. Rehman, M. Ashraf, U. Mahmood, M. Auon and P. AKhtar. 2017. Consumer Health Risks Associated with Broilers Meat containing Antibiotics Residues and Potential Solutions. 3rd Int. Conf. safe food for all. 2-3, 2017
63. Khaild, M.F., U. Farooq. M. Afzal, M.K. Bashir. S.U. Rehman, M. Ashraf, U. Mahmood, M. Auon and P. Akhtar. 2017. Sakmonella Contamination of Chicken Meat and Its Effects on Consumer. 3rd Int. Conf. safe food for all. 2-3, 2017
64. Farooq, U., **M.F. Khalid**, M.K. Bashir. S.U. Rehman and M. Ashraf. 2017. Impacts of Poultry Production on Ground Water Depletion. Int. Conf. Adv. Agri. Resou. Manegm. 5-7, 2017

65. Mahmood, U., S.U. Rehman, P. Akhtar, **M.F. Khalid**, M.K. Bashir, U. Farooq, M. Auon. M. Usman and M. Ashraf. 2017. Relationship and difference between Food Security and Nutrition Security. Int. Conf. Adv. Agri. Resou. Manegm. 5-7,2017
66. Farooq, U., **M.F. Khalid**, M.K. Bashir, M. Arslan, M. Auon. W. Abbas and P. Akhtar. 2016. Use of Natural Growth Promoters in Japanese Quail Diet. World. Poult. Congress.5-9 september,2016.
67. Shehzad, M.A., S. Mahmood, U. Farooq, **M.F. Khalid**, M.K. Bashir and P. Akhtar. 2016. Sequential Feeding of different Energy and Protein Diets Improve Broilers Growth in Tropic. World. Poult. Congress.5-9 september,2016.
68. Farooq, U., **M.F. Khalid**, M.K. Bashir, M.A. Shehzad, M. Arslan, M. Auon and P. Akhtar. 2016. Japanese Quail (Coturnix coturnix Japonica) Growth Better on Feed Supplemented with Neomycin rather than Organic Acid. World. Poult. Congress.5-9 september,2016.
69. Tariq, M., S. Ahmad, A. Hassan. **M.F. Khalid**, A. Abbas, and F. Arslan. 2016. Backyard Poultry Production and its Role in livelihood of Rural People in District Toba Tek Singh Pakistan. World. Poult. Congress .5-9 September,2016
70. K. Bashir, M.H. Rehman, **M.F.Khalid**. 2012. Growth performance of channamarculis under different Predatory-Prey ratio with Tilapia fertilizer pons. National Sci. Conf. Road map of cutting edge Technology, Jan. 10-12.
71. Sarwar, M., M.A. Shehzad, **M.F. Khalid**, M. Nisa and H. A. Saddiqi. 2012. “Growth performance of post weaned lambs fed on different vegetable protein sources with or without probiotics”. 4th Int. Sci. Conf. on Small Rumin. Prod. Sep Sharam El Sheikh Egypt.
72. Khalid, M.F., U. Farooq, W.Abbas, M. K.Bashir, **M. S.Khan**,A.Wahab, and U. Mahmoud. 2016. Humic acid improves growth performance in Japanese quail. Proceedings of The XXV World’s Poultry Congress September 5-9, 2016 Beijing, China
73. Khan, M.S., U. Farooq, S.Rehman, M.Ashraf, M.Usman, M.K. Bashir, **M. F. Khalid**, P. Akhtar, A.Wahab, and U. Mahmood. 2016. Food zoonosis: an important issue threatening human lives in Pakistan. . Proceedings of The 2nd International Conference on Zoonoses
74. Farooq, U., P. Akhtar, M.K. Bashir, **M. F. Khalid**, S.Rehman, M. Ashraf,M.Usman,M.S.Khan, Z.Rehman,A.Wahaab, and M.Tariq.2016. Managemental strategies to control zoonotic diseases in Poultry. Proceedings of The 2nd International Conference on Zoonoses
75. Usman,M., U. Farooq, S.Rehman, M.Ashraf, M.S.Khan, A.Wahab, M.K. Bashir, **M. F. K,halid**, P. Akhtar, and U. Mahmood.2016. Avian influenza management: Occupational health and Safety. Proceedings of The 2nd International Conference on Zoonoses
76. **Khalid, M. F.** Growth response of lambs fed on plant protein sources and probiotics 2011. VDM. Verlag Dr. Muller GmbH and Co.KG. ISBN: 978-3-659-37359-2

Book/ Book Chapters:

1. Veterinary Pharma Guide. 2024. R. Mustafa, M. Auon, M.F. Khalid, U. Farooq (Authors), M.K. Bashir, M.I. Arshad, M. Tariq, M. Hammad (Co-author). ISBN No. 978-627-7823-05-1.
2. Veterinary Medicine Enhancing Animal Health & Wellbeing. 2024. Emerging Technologies And Innovations in Aquatic Veterinary Practices. (Chapter 9). MNSUAUM, M. Rizwan, M.M. Nazir, M. Ejaz, M.Z. Tariq, M. F. Khalid, A. Abbas. ISBN No. 978-627-49503-1-9. <https://doi.org/10.5281/Zendo.13519536>
3. Veterinary Medicine Enhancing Animal Health & Wellbeing. 2024. Pathogenesis, Diagnosis and Vaccination Strategies for Infectious Bronchitis in Poultry. (Chapter 26). A. Haider, M.Z. Qousain, M.U. Munawar, H.Munawar, M. F. Khalid, A. Ayub, U. Bilal, S. Ahmad, U. Farooq, A. Samad. ISBN No. 978-627-49503-1-9. <https://Zendo.org/doi/10.5281/zendo.13601844>
4. Complementary and Alternative Medicine: Prebiotics and Probiotics. 2024. Yeast Based Therapeutics for Gastrointestinal Disorder. (Chapter 21). H. Ashraf, Z. Shahbaz, M.A. Sannan, M.S. Arshad, F. Ahmad, A. Noor, S. Tahir, M.U. Arif, M.F. Khalid, ISBN No. 978-969-2201-15-5. <https://doi.org/10.47278/book.CAM/2024/125>
5. Complementary and Alternative Medicine: Botanicals/ Homeopathy/ Herbal Medicine. 2024. Impact of Phytobiotics on Poultry Health and Diseases. (Chapter 40). S. Zamir, R. Yousuf, T. Ahmad, M.A.U. Rehman, N. Mukhtar, M. Ashraf, M.F. Khalid, M.A. Zafar, Z.U. Rehman. ISBN No. 978-969-2201-22-3. <https://doi.org/10.47278/book.CAM/2024.355>