

Prof. Dr. Sarzamin Khan

LIST OF PUBLICATIONS

Published Books

1. **Title: Lactation-Reproduction Interaction in Dairy Buffaloes**
Publisher:VDM Verlag Dr. Muller Aktiengesellschaft & Co. KG (2009).
ISBN-10: 3639144449
ISBN-13: 978-3639144444
2. **Title: Practical Manual of Veterinary Anatomy**
Publisher: Department of Animal Health, Faculty of Animal Husbandry and Veterinary Science(2009)
3. **Title: Quails production manual for farmers**
Publisher: Department of Poultry Science , Faculty of Animal Husbandry and Veterinary Science(2012)
4. **Broiler production Manual: Publisher:** Department of Poultry Science, Faculty of Animal Husbandry and Veterinary Science(2013) .
5. **Rabbit production Manual: Publisher:** Department of Poultry Science, Faculty of Animal Husbandry and Veterinary Science(2013).
6. **Layers production Manual: Publisher:** Department of Poultry Science, Faculty of Animal Husbandry and Veterinary Science(2014)
7. **Vets Career Manual** published by Faculty of Animal Husbandry and Veterinary Science, the University of Agriculture Peshawar
8. **Biosecurity and its importance in Public health** (under publication)

I. List of Publications in Peer Reviewed International Impact Factors Journals (72)

1. **Sar Zamin Khan**, Amjad Usman · Kamran Khan· Jabbar Tanveer · Mohammad Israr. (2024). Effect of stocking density on performance, survival and nutrient composition of super worm *Zophobas morio* (Coleoptera:Tenebrionidae). *Tropical Animal Health and Production* (2024) 56:95.
2. Zia Ul Isam, Sultan A., **Khan S.**, and Abdullah Alasmari. (2024). Effects of an organic acids blend and coated essential oils on broiler growth performance, blood biochemical profile, gut health, and nutrient digestibility. *Italian Journal of Animal Science* 23(1):152-163.

3. Rafiullah, Athar Mahmud, **Sar Zamin Khan**, Asad Sultan, Naseer Ahmad, Majid Ali and Baitullah Khan. (2024). Feeding Value of Extruded Hatchery Waste Meal and its Impact on Egg production and Quality in Laying Hens. PVJ. Pp.1-4, 2024.
4. Momin Khan, Naila Chand, **Sar Zamin Khan** , Shabana Naz, Abdulwahed Fahad Alrefaei , Mikhlid H. Almutairi , Dai Sifa d, Rifat Ullah Khan (2023). Partial and total replacement of soybean meal with maggot larvae meal in broiler chicken diets: Impact on growth performance, nutrients digestibility, hematological parameters and intestinal histomorphology. Livestock Science .277. 10:53-55.
5. Muhammad Ayaz, Rajwali Khan, **Sarzamin Khan**, Syed Muhammad Suhail, Khalid Khan, Ijaz Ahmad, Abdul Wahab, Amel Ayari-Akkari. (2023). Effect of dietary inclusion of Frass on growth performance and heamatology and serum biochemistry of sheep. Tropical J.of Anim.Health.55:106.
6. Muhammad Bilal Isla and **Sar Zamin Khan**. (2023). Growth promoting and immune response of aqueous extract blends using different concentrations of onion, garlic and chilli on broilers. Journal of Xi'an Shiyou University, Natural Science Edition ISSN: 1673-064X.
7. Zakir Hussain, ·Zahid Iqbal · Nabila Roohi1 · **Sarzamin Khan** (2023). Effect of betaine supplementation on production performance and serum antioxidant indices of Nili- Ravi buffaloes during summer. Tropical Animal Health and Production . 55:176
1. Rahman SU, Iftikhar F, Sajid Z, **Khan S**, Khan R, Rahman FU. (2022) Influence of onion (*Allium cepa* L.) supplementation on physiochemical composition and lipid profile of broiler meat. Biomedical Letters 8(2):126-135.
2. Alam, W., **Khan, S.**, Khan, R.U. (2022). Immunocystochemistry of Pituitary Cells in Pitutry of broiler breeders. Pakistan Journal of Zool. August, 2022. DoI 10.17582.
3. **Khan S**, Tanweer A.J., Rafiullah, Ibrahimullah, Abbas G, Khan J, Imran MS, Kamboh AA (2022). Effect of supplementation of mealworm scales (*tenebrio molitor*) on growth performance, carcass traits and histomorphology of japanese quails. J. Anim. Health Prod. 10(3): 381-389.
4. **Khan S.**, A. Usman, I Shah and P Ali. (2021). State of the Art on Production, Processing and Uses of Meal Worm *Tenebrio Molitor*. IJAB. May and June 184-210.
5. Rahman SU, Iftikhar F, Sajid Z, **Khan S**, Khan R, Rahman FU.(2022) Influence of onion (*Allium cepa* L.) supplementation on physio chemical composition and lipid profile of broiler meat. profile of broiler meat. 8(2):126-135.
6. Khan, K., Aziz, K., Khan, N., **Khan, S.**, & Ayasan, T. (2022). Effect of enzyme and yeast-based feed additives on growth, nutrient digestibility, meat quality and intestinal morphology of fattening rabbits. Journal of the Hellenic Veterinary Medical Society, 72(4), 3511-3518.
7. Mushtaq, Muhammad, Chand Naila, **Khan Sarzamin**, Saddique Umer. (2021)"In Vivo Effect of Medicinal Plants on Some Serum Biochemical Parameters in Laying Hens." J Pharmacogn Nat Prod, Volume 7:5,

8. Ziaul Islam, Asad Sultan, **Sar Zamin Khan** Sher bahader (2021). Effect of Organic Acids Blend, MicroEncapsulated Phyto-Essential Oils Individually or in Combination on Growth Performance, Gut Health and Nutrients Utilization of Broilers Pakistan J. Zool., pp 1-9, 2021. DOI:
9. Hussain Z, Z Iqbal, N Roohi, **S. Khan**, (2021). Effect of dietary supplementation with betaine on growth performance and blood biochemical profile of Nili-Ravi buffalo calves. Intl J Agric Biol 26:702-706.
10. Islam, Z., A. Sultan **S. Khan**, and S. Bahader (2021). Effect of Organic Acids Blend, Micro Encapsulated Phyto-Essential Oils Individually or in Combination on Growth Performance, Gut Health and Nutrients Utilization of Broilers. P.J.Zool. PP 1-9.
11. Alam M, Chand N, **Khan S**, Suhail SM (2021). Growth performance, proximate composition and immune competence of naked neck, Rhode Island Red and their F1 crossbred chickens in a tropical climate. J. Anim. Health Prod. 9(3): 303-311.
12. Nasir, J., N. Chand, **S. Khan**, A. Abudabos and R.U. Khan. (2020). Consumption of flaxseed enhances poly unsaturated fatty acids in broiler meat. J. Anim. Physiolo and Nutrition. Sci. Vol (1):1-6.
13. Kamran Khan, Inam Ullah, Nazir Ahmad Khan, **Sarzamin Khan**.2020. Evaluation of mulberry (*Morus alba*) leaves as a concentrate substitute in rabbit diet: effect on growth performance and meat quality. Turk J Vet Anim Sci. Vol 44: 1136-1141 © TÜBİTAK.doi:10.3906/vet-2004-71.
14. Fatima Gul, Bashir Ahmad, **Sarzamin Khan**.2020. Optimization of various parameters for selenium enriched yeast production. International Journal of Biosciences. Vol. 17, No. 2, p. 218-224. <http://dx.doi.org/10.12692/ijb/17.2.218-224>.
15. Rafiulla h, **Khan S.**, Khan R., Qudratullah. 2020. Does the gradual replacement of spent silkworm (*Bombyx mori*) pupae affect the performance, blood metabolites and gut functions in White Leghorn laying hens? Res. in Vet. Sci. 0034-5288 (19) 31285-8
16. Khan, R.; Raza, S.H.A.; Schreurs, N.; Xiaoyu, W.; Hongbao, W.; Ullah, I.; Rahman, A.; Suhail, S.M.; **Khan,S.**; Linsen, Z. (2019). Bioinformatics analysis and transcriptional regulation of TORC1 gene through transcription factors NRF1 and Smad3 in bovine preadipocytes.Genomics. Please cite this article as: Rajwali Khan, et al., Genomics, <https://doi.org/10.1016/j.ygeno.2019.09.007>
17. Naseer A., **Khan S.**, Chand N., Ahmad, N.(2019). Hemato-biochemical profile carcass and meat quality traits of Naked Neck Rhode Island Red (RIR) and Black Astralorpe (BAL) chicken. I.J. Biol. Vol. 14, No. 5, p. 225-234.
18. Mushtaq, M., Chand, N., Saddique.U.,**Khan S.** (2019). Protective role of methanolic extract of medicinal plants in paracetamol induced toxicity in laying hens. I.J. Biol. Vol. 15, No. 5, p. 527-539.
19. Khan, R., S. H. A. Raza, , N. Schreursb, W. Xiaoyua, **Khan S.** and Z. Linsen. (2019). Bioinformatics analysis and transcriptional regulation of TORC1 gene through transcription factors NRF1 and Smad3 in bovine preadipocytes. Genomics, <https://doi.org/10.1016/j.ygeno.2019.09.007>
20. Ullah, N. **Khan, S.**, Mobashar3,M., Javaid, S. Tonio, T and A. Mahmood. (2019). Fat Supplementation in Diet of Friesian Sahiwal Crossbred Bulls: A Novel Study on Productive and Reproductive Performance and Bio-chemicals Evaluation of Semen Quality Under Hot Summer Sub-tropical Conditions. J. Zool.Vol. 51 (6): 2133-2140.

21. Khan M, Chand N, **Khan S**, Khan RU and Sultan A. 2018. Utilizing the House Fly (*Musca Domestica*) Larva as an Alternative to Soybean Meal in Broiler Ration during the Starter Phase. *Brazilian Journal of Poultry Science Revista Brasileira de Ciência Avícola*. V.20 / n.1 / 009-014.
22. Asad Sultan, Sahal Ahmad, **Sarzamin Khan**, Rifat Ullah Khan*, Naila Chand, Muhammad Tahir and Shakoor Ahmad. 2018. Comparative Effect of Zinc Oxide and Silymarin on Growth, Nutrient Utilization and Hematological Parameters of Heat Distressed Broiler. *Pakistan journal of Zoology* 50(2) 751-756.
23. Asad Sultan*, Shahroom Khan, **Sarzamin Khan**, Naila Chand, Muhammad Shuaib Khan and Hamza Maris. 2018. Effect of Organic Acid Blend on Carcass Yield, Nutrient Digestibility and Tibia Ash during Starter Phase of Broiler Chicks. Vol. 50, Iss. 4, Pp 1199-1600. DOI: <http://dx.doi.org/10.17582/journal.pjz/2018.50.4.1483.1488>.
24. Ishtiaq Ahmad Khan, **Sarzamin Khan**, Asad Sultan, Ashraf Ali Qureshi, Hamza Maris. 2018. Reproductive performance of floored and cage housed broiler breeder roosters. *Int. J. Biosci.* 12(2), 26-34. DOI: <http://dx.doi.org/10.12692/ijb/12.2.26-34>.
25. Zia ur Rehman, Naila Chand, Rifat Ullah Khan^{2*}, **Sarzamin Khan** and Muhammad Subhan Qureshi. 2018. An Assessment of the Growth and Profitability Potential of Meat-Type Broiler Strains under High Ambient Temperature. 2018. *Pakistan J. Zool.*, Vol. 50, Iss. 2, pp 429-435. doi.org/10.17582/journal.pjz/2018.50.2.429.435.
26. Zia-ur-Rehaman, Naila Chand, **Sarzamin Khan** and Rifat Ullah Khan*. 2017. Evaluating the Immune Response and Antioxidant Potential in Four Broiler Strains under Chronic High Ambient Temperature. *Pakistan J. Zool.*, Vol. 49, Iss. 6, pp 2087-2091. DOI: 10.17582/journal.pjz/2017.49.6.2087.2091.
27. Ur Rahman S, **Khan S**, Chand N, Sadique U, Khan RU. 2017. In vivo effects of *Allium cepa* L. on the selected gut microflora and intestinal histomorphology in broiler. In vivo effects of *Allium cepa* L. on the selected gut microflora and intestinal histomorphology in broiler. *Actahistochem.* ;119(5):446-450. <https://doi.org/10.1016/j.acthis.2017.04.004>.
28. R.Ullah, **S.Khan**, N.A.Khan, M.Tahir and **N.Ahmad**. 2018. Effect of replacement of soybean meal by Silkworm meal on growth performance, apparent metabolizable energy and nutrient digestibility in broilers at day 28 post hatch. *The J. Anim. Plant Sci.* 28 (5):201 pp 1239-1246.
29. Kamran Khan, **Sarzamin Khan**, Nazir Ahmad Khan and Naseer Ahmad. 2018. Effect of Flaxseed Supplementation of Feed on Growth, Carcass Yield, Meat and Fatty Acids Profile of Rabbit Carcass. *Pakistan J. Zool.*, 50(6), pp:2037-2043.
30. R Ullah, **S Khan**, NA Khan, M Mobashar, A Sultan, N Ahmad, J. Lohakare. 2017. Replacement of Soybean Meal with Silkworm Meal in the Diets of White Leghorn Layers and Effects on Performance, Apparent Total Tract Digestibility, Blood Profile and Egg Quality. *Int J Vet Health Sci Res.* 5(7), 200-207.
31. Muhammad Inam, **Sarzamin Khan**, Asad Sultan, Nazir Ahmad Khan. 2017. Effect of *Saccharomyces cerevisiae* on overall performance of broilers at starter phase. *Int. J. Bio sci.* 11(1), 42-53. DOI: <http://dx.doi.org/10.12692/ijb/11.1.42-53>.
32. Rafiullah, **S. Khan**, A. Hafeez, N. Khan, N. Chand, A. Sultan, and N. Ahmad. 2017. Silkworm meal as alternate protein ingredient in broiler finisher ration. *Pakistan J. Zool.*, vol. 49(4), pp 1463-1470, 2017.

33. K. Khan, **S. Khan**, S. Ullah , N. A. Khan , I. Khan and N. Ahmad. 2017. Nutritive value, fiber digestibility and methane production Potential of tropical forages in rabbits: effect of species and Harvest maturity. *The Journal of Animal & Plant Sciences*, 27(4): 2017, Page: 1094-1100.
34. Ibrar Hussain, **Sarzamin Khan**, Asad Sultan, Naila Chand, Rafiullah , Waqas Alam, Naseer Ahmad. 2017. Meal worm (*Tenebrio molitor*) as potential alternative source of protein supplementation in broilers. *Int. J. Biosci* Vol. 10, No. 4, p. 255-262.
35. K. Khan, **S. Khan**, N. A. Khan and N. Ahmad. 2017. Production Performance of Indigenous Rabbits under Traditional and Intensive Production Systems in Northern Pakistan. *The Journal of Animal & Plant Sciences*, 27(1): Page: 75-81.
36. Jan, R., U.Saddique, Z.Hussain, K. Farid, A. Shakoor, **S. Khan** and H. Khan. 2017.Toxico-pathological and Reproductive Effects of Concurrent Oral Administration of Ochratoxin A and Endosulfan in Pregnant Rabbits (*Oryctolagus cuniculus*).*Pak. vet J.*, 37(1): 19-24.
37. **Khan,Sarzamin**. Asad Sultan, Mohammad Subhan Qureshi, Haji Gul and Naseer Ahmad. 2016. Efficacy of a Local Sodium Bentonite Enriched Clay as Mycotoxin Binder in Laying Birds. *World's Poultry Science Journal*, Volume 72, Supplement 1.
38. Kamran Khan, **Sarzamin Khan**, Rajwali Khan, Asad Sultan, Nazir Ahmad Khan and Naseer Ahmad. 2016. Growth performance and meat quality of rabbits under different feeding regimes. *Trop Anim Health Prod*, 48 (6) Page: 1-6. DOI 10.1007/s11250-016-1140-4.
39. Wahab, A., H. Khan, S. Ahmed, M. Subhan, Y. Mohammad, **S. Khan**, U.Saddiq and S. K. Shah (2016). Biochemical Profile of Local Rabbits (*Oryctolagus cuniculus*) During Successful Pregnancy Under Backyard Production System. *Pakistan J. Zool.*, vol. 48 (3), pp. 625-630.
40. Shah, A.A. M.S.Khan **S.Khan**, N.Ahmad, I.A. Alhidary, R. U. Khan and T. Shao. (2016). Effect of different levels of alpha tocopherol on performance traits, serum antioxidant enzymes, and trace elements in Japanese quail (*Coturnix coturnix japonica*) under low ambient temperature. *R. Bras. Zootec.* 45(10):622-626.
41. Din,R. **S.Khan**, N. Imtiaz, S. Aslam, S. Ahmad,H. Khan, M. Rabbani, J. Muhammad, Z. Iqbal and S. Ali (2016). Study on the quality and efficacy of commercial tylosin and doxycycline products against local isolates of Mycoplasma in broilers"*Pak.J. Pharm. Sci.*, Vol.30, No.2, March 2017, pp.541-549 541.
42. Khan Sarzamin, Rifat Ullah Khan, Asad Sultan, Momin Khan, Shams ul Hayat and Suhaib Shahid 2016. Evaluating the suitability of maggot meal as a partial substitute of soybean on the Productive traits of broilers. *Journal of Animal Physiology and Animal Nutrition*. 100 (4) 649-656.
43. Khan Sarzamin, Asad Sultan, Rifat Ullah and Nazir Ahmed. 2016. Worm meal: A potential source of alternative protein in poultry feed. *World Poultry Science Journal* 1(1):1-10.
44. Sultan A, M Bilal, S Khan and ZU Hassan, 2015. Effect of chlorine dioxide (Dutrition) on growth performance, gut histomorphology and pathogenic microbial count of meat type birds. *Pak Vet J*, 35(2): 183-188.
45. Asad Sultan, Humera Obaid, **Sarzamin Khan**, Inayat Rahman and Rifat Ullah Khan. 2015. Nutritional effect of flax-seed on cholesterol profile and fatty acid composition of egg yolk. *Cereal Chemistry*. 92 (1) 50-53.

46. Chand, N., S. Naz, A. Khan, **S. Khan**, R.U. Khan (2014). Performance traits and immune response of broiler chicks treated with zinc and ascorbic acid supplementation during cyclic heat stress. *International Journal of Biometeorology*. 58 (10) 2153-2157.
47. Sultan, A. R Ullah, **S Khan**, M Tahir, H Khan and IU Zaman, 2014. Nutrient Digestibility Values and Apparent Metabolizable Energy of Corn, Wheat and Sorghum by Pheasants (*Phasianus colchicus*). *Pak. Vet. J.* 34 (4): 479-483.
48. Tariq Hayat, Asad Sultan, Rifat Ullah Khan, **Sarzamin Khan**, Zahoor ul Hassan 2014. Impact of Organic Acid on Some Liver and Kidney Function Tests in Japanese Quails, *Coturnix coturnix japonica*. *Pakistan J. Zool.* 47 (3) 635-639.
49. Naila Chand, N., Naz, **S. Khan**, A., Khan, S. and R. Khan. 2014. Performance traits and immuneresponse of broiler chicks treated with zinc and ascorbic acids supplementation during cyclic heat stress. *International Journal of Biometeorology*. 58(10):2153-7.
50. Asad Sultan, Irshad Ullah, **Sarzamin Khan**, Zahoor ul Hassan and Rifat Ullah Khan. 2014. Impact of chlorine dioxide treatment as an acidifying agent on the performance, ileal microflora and intestinal histology in quails. *Archiv Tierzucht / Archives Animal Breeding*. 57 (31) 1-9.
51. Jabar, A. T., N. Chand, S. Khan, A. Sultan, M. S. Qureshi, A. Akhtar, M. Inam and Rafiullah. (2013). Association of *Peganum harmala* L. Supplementation with lipid profile and its economic benefit in broiler production. *Pak. Vet. J.* 33(3): 313-316.
52. Mushtaq, M., Shabana Naz, Sarzamin Khan, Sajid-ur-Rehman and Rifat Ullah Khan. 2013. In vivo effect of *Berberis lyceum* and *Silybum marianum* on production performance and immune status in broiler chicks. *Archiv Tierzucht* 56:(91): 1-12.
53. Kakar, Z., I. Ali, Kausarzeb, Z. A. Shah, I.U. Haq, Rafiullah, T. Hussain and **S.Khan** (2013). Production patterns of sheep and goats in district Qila Abdullah (Balochistan). *J. Anim. and Plant Sci.*, 23(1 Suppl.): 35-38.
54. Ali, Amjed Sarzamin Khan, Muhammad Mobashar, Muhammad Inam, Iftikhar Ahmed, Nazir Ahmed Khan and Mubarak Ali, Hamayun Khan. (2013). Effect of Different Levels of Organic Acids Supplementation on Feed Intake, Milk Yield and Milk Composition of Dairy Cows during Thermal Stress. *Greener Journal of Agricultural Sciences*. Vol. 3 (11): 762-768.
55. Khan, Sarzamin. Asad Sultan, Aaqil Muhammad, Naila Imtiaz, Muhammad Mobashar, Hamayun Khan, Mohammad Saleem, Mohammad Inam and Rafiullah (2013). Lower Ileal Microflora and Growth Performance of Broilers Supplemented with Organic Acid Blend (Aciflex®) During starter Phase. *Greener Journal of Agricultural Sciences*. Vol. 3 (12): 794-800.
56. Mushtaq, A., M. S. Qureshi, **S. Khan**, G. Habib, Z. A. Swati and S. U. Rahman (2012) Body Condition Score as a Marker of Milk Yield and Composition in Dairy Animals. *J. Anim Plant Sci*, 22. (Sup3): 169-173.
57. Muhammad, D. N. Chand, **S. Khan**, A. Sultan, M. Mushtaq And Rafiullah. (2012). Hepatoprotective role of milk thistle (*Silybum marianum*) in meat type chicken fed aflatoxin B₁ contaminated feed. *Pak. J. Vet. Sci.* 32(3) 443-446.
58. Raziq, F., **S. Khan**, N. Chand, A. Sultan, M. Mushtaq, Rafiullah, S.M. Suhail and A. Zeb. (2012). Effect of water based Infusion of aloe barbedensis, pimpinella anisum, berberis Lycium, trigonella foenum graecum and allium sativum on The performance of broiler chicks. *Pak. J. Vet. Sci.* 32(4): 593-596.

59. Ahmad, I.T. A. Qureshi, F. A. **Khan**, S. A. K. Mughal, U. Sadique, Z. Shah, , Z.U.Hassan (2012). Evaluation of Biochemical Effects of Diclofenac Sodium In Goats. J. Anim. and Plant Sci. 22(2 Suppl.): 1-4.
60. Tanweer, N. Chand, **S. Khan**, M.S. Qureshi, A. Akhtar and M. Niamatullah.(2012). Impact of methanolic extract of *peganum harmala* on the weight gain, feed conversion ratio, feed cost and gross Return of broiler chicks. J. Anim. and Plant Sci. 22(2 Suppl.): 264-267.
61. **Khan S.**, M. S. Qureshi, M. Younas, Rafiullah and M. Inam.2012. Modeling and management of post-conception decline in milk yield of dairy buffaloes.J. Anim. and Plant. Sci. 22(2 Suppl.): 5-11.
62. **Khan, S.** N. Ishikawa, T. Hattori, A. Tajima. (2012). Effect of Pregnancy on body Hair Growth in Dairy Cattle. J. Anim. and Plant. Sci. 22(2 Suppl.): 87-91.
63. Rehman, Z. M. U. Samo, T. A. Qureshi, **S. Khan**, M. S. Qureshi, F. A. Khan and S.Bahadadr.(2012). Studies On Freezability of Kundhi Buffalo Bull Semen. J. Anim. and Plant Sciences, 22(2 Suppl): 18-23.
64. Hussain,T M. Arshad, I. Jan **S. Khan** H. Sattar and M.S. Qureshi 2011. In vitro screening of ten Plants for Antibacterial Activity. Pak. J. Bot., 43(1): 531-538.
65. **Khan, S.**, M.S. Qureshi, I. Ahmad, S.M. Shah. 2011. Milk Composition and yield changes with advancing pregnancy in dairy buffaloes(*Bubalus bubalis*).Tukish J. Anim. Sci. 35(6):375-380.
66. Qureshi, MS, A Mushtaq, **S. Khan**, G Habib, ZA Swati, 2010. Variation in milk fatty acids composition with body condition in dairy buffaloes (*Bubalus bubalis*). Asian, Aust. J. Anim Sci,23: 340-345.
67. **Khan, S.**, M.S. Qureshi, N.Ahmad, M.Amjed, M.Younas and A. Rehman. 2009. Feed supplementation prevents post conception decline in milk progesterone concentration associated with production stress in Dairy Buffaloes. Trop Anim Health Prod.41:1133-1142.
68. **Khan, S;** M. S. Qureshi, G. Habib, A. Mushtaq Ihsanullah, S. Ahmad, S. M. Sohail and S.S. Afridi. (2009) Effect of pregnancy on location performance of Dairy Buffaloes.Pak J Zool., Suppl. Ser. No. 55-60.
69. Sohail, S.M., M.S. Qureshi, **S. Khan**, G Habib, 2009. Relationship among various production and reproduction Contributors of Breeding Efficiency in Dairy Buffaloes of Pakistan.. Pak J Zool., Sup. No.9, 297-301.
70. Shah, SM, **S Khan**, MS Qureshi, SM Sohail, G Habib, I Ihsanullah, U Sadique, S. S. Afridee, S Ahmad, A Mushtaq, Z Shah, Z Rahman, 2009. Effect of pregnancy on milk composition in buffaloes. Pak J Zool, Sup.9 669-673.
71. **Khan, S.**, M.S. Qureshi, N.Ahmad, M.Amjed, Durani,F.R. and M.Younas. 2008. Effect of pregnancy on Lactation Milk Value in Dairy Buffalo. Asian.Australlasian. J. Anim. Sci. 21 (4) 523-531.
72. Qureshi M.S., **S.Khan**, and N. Ahmad. 2007. Pregnancy depresses milk yield in dairy buffaloes. Ital .J. Anim. Sci. 6(2) 1290-1293.

Publications in Peer Reviewed HEC approved National Journals (21)

1. Shabina, **Sarzamin Khan**, Shams ul Hayat, Saira Gul, Saleha Gul, Haseena and Attaullah.2018. Isolation, identification and molecular characterization of virulent avian infectious bronchitis virus in Khyber Pakhtunkhwa, Pakistan. Pure Appl. Biol., 7(2): 435-442. <http://dx.doi.org/10.19045/bspab.2018.70054>.
2. Sher Alam, **Sarzamin Khan**, Naseer Ahmad, Rafiullah, Farida Tahir, Halima Sadia and Munibullah .2016. Comparative Efficacy of three Newcastle Disease Vaccine Strain in Layers. Journal Veterinaria.Volume 4, Issue 2; 6-12.

3. Khan Zafar , Asad Sultan, Rajwali Khan, **Sarzamin Khan**, Imranullah and Kamran Farid.2016. Concentrations of Heavy Metals and Minerals in Poultry, Eggs and Meat Produced in Khyber Pakhtunkhwa, Pakistan. Meat Sciences and Veterinary Public Health. 1: 4-10.
4. Zakir Hussain, **Sarzamin Khan**, Arfan Yousaf, Naseer Ahmad, Rafiullah, Halima Sadia, Munibullah.2016. Pregnancy diagnosis in dairy animals through inhibition of seed germination J. Appl. Agric. Biotechnol. 2016 1(2): 78–83.
5. **Khan,S.**, Kamran, Naseer M., Preliminary assessment of Rabbit farming in Khyber Pukhtunkhwa province of Pakistan. Sarhad j. Agric. 30 (3) 369-374.
6. Rehman Z. U, **S. Khan**, N. Chand, A. J. Tanweer, A. Sultan, A. Akhtar and A. M. Tauqee.(2013). Effect of Water Based Mixture infusion of *Allium sativum* and *Withania Somnifera* on the performance of broiler chicks.Pak.J. of Sci. 64 (3).
7. Tanweer, A.J. N. Chand, **S. Khan**, M. S. Qureshi, U. Sadique, A. Akhtar, M. Shakir, A. Sultan, M. Arshad and Alamzeb (2012). Association of *peganum harmala* I. Supplementation with liver Function test of broiler chicks. Pak.J.Sci.64(1) 75-79.
8. Yasir J. **S. Khan**, N. Chand, M. Mushtaq, A. Sultan and Rafiullah. (2012). Comparative Efficacy of Different Schedules of Administration of Medicinal Plants mixed Infusion on Hematology of broiler Chicks. Sarhad J. Agric. Vol. 28(2) 327-331.
9. Maroof, K. N. Chand, **S. Khan**, M.S. Qureshi, A. Rehman and B. Jan. (2012). Comparative Efficacy of Different Schedules of Administration of Medicinal Plants (*Allium sativum*,*Berberis lyceum*,*Eclipta Alaba Andangifera indica*) on the immunity and overall performance of broiler chicks Sarhad J. Agric. Vol. 28(2) 319-325.
10. Ali, U., **S. Khan**, Rafiullah, Z. A. Shah, A. Akhtar* and A. J. Tanweer.(2012) Effect of Male to Female Ratio and Vitamin-E Selenium Supplementation on Egg Production and Egg Weight of Japanese Quail. Pakistan J. of Sci.64(3) 242-246.
11. **Khan, S.**, M.S. Qureshi, N. Chand, A. Sultan, Rafiullah, I. Khan and Ihsanullah (2012). Effect of Breeding Method on Calf Sex and Postpartum Reproductive Performance of Cattle and Buffaloes.Sarhad j. Agric. 28 (3) 469-476.
12. M. Ayaz, **S. Khan**, M.S. Qureshi, K. Naeem , M. Sajid, M. Rafiqand A. Maqbool (2010) prevalence of avian influenza and its economic impact on poultry population of hazara region Pakistan Sarhad J. Agric. Vol. 36(4) 629-633.
13. Suhail, S.M., M. S. Qureshi, **S. Khan**, I. Khan and F.R. Durrani 2009.Inheritance of economic traits of Dairy buffaloes in Pakistan Sarhad J. Agric. Vol.25 (1), 88-93.
14. Rahman, A. **S. Khan**, D. Khan, M. Hussain, S. Ahmad, S. M. Sohail, I. Ahmad, I. Haq, and Z. Shah.(2009). Use of Probiotics in Broiler Feed at Starter Phase. Sarhad J. Agric. Vol. 25(3) 469-472.
15. Rahman, A. **S. Khan**, D. Khan, M. Hussain, S. Ahmad, S. M. Sohail, I. Ahmad, I. Haq, and Z. Shah. (2009). Use of Probiotics as an immune enhancer in broilers. Sarhad J. Agric. Vol. 25(3) 457-461.
16. **Khan, S.**, M.S. Qureshi, N.Ahmad,M.Amjed, and M.younas.2008. Effect of gestation stage on Milk Production in dairy buffaloes. Sarhad J.Agric.24 (2) 317-322.
17. Yousaf M., .N.Ahmad and **S. Khan** 2008. Effect of Non Feed withdrawal induced Molting techniques on feather Moults Scouring and Egg Production of Caged Hens. Sarhad J.Agric.24 (2) 323-330.

18. Ansvari J. Z , A. Haq , M.Yousaf , A. Tanveer and **S.Khan** 2008. Evaluation of Different Medicinal Plants as Growth Promoters for Broiler Chicks. Sarhad J.Agric.24 (2) 331-337.
19. Khisrao, K., M.A. Mian, **S.Khan** and Pervez. 2002.Control of Infectious Bursal Disease with reference to vitamin E Supplementation Sarhad J. Agric. 18 (1) 7-10.
20. Khisrao,K., Mushtaq M.A. Mian, **S. Khan** and Pervez. 2001.Epizootiology of infectious bursal disease in broilers in and around Peshawar. Sarhad J.of Agric. 17 (4) 497-502.
21. **Khan S.**, M. A. Main, M. Ayaz and F.R. Durrani. 1998.Immuno-suppressive effect of four different Gumboro Vaccine strains on HI Antibody titer against Newcastle disease vaccine in broilers. Sarhad J. Agric. 4 (1)1-3.

II.Papers published in other Local Journals (8)

1. Zaib Ullah K., **Khan, S.**,N. Ahmad and A. Raziq. 2007. Investigation of mortality incidence and managerial practices in buffalo calves at commercial dairy farms in Peshawar city. J.Anim.Bio.Sci. 2(3).
2. Bashir A., **S.Khan**, A. Manan and Abdullah.2007.Production and reproduction performance of jersey cattle at Cattle Breeding and Dairy Farm Harichand Charsadda NWFP. J. Anim.Bio.Sci. Vol 2(jan)2007.
3. Ahmad, N. A.,K. Hamayun Salem M, **Khan, S.** and A.M.Bahrami.2004. Effect of Urea Treated sorghum Stover with a without cattle manure on its intake and digestibility by the growing ruminants. J. Anim. and Vet. Advances Vol. 3 (4): 198-201, 2004.
4. Hamayun, K. A.Nazir, **Khan, S.**, A.Riaz and M. M. Rind.2003.Study on Testicular Dimensions and size in male Buffalo .Journal of animal and veterinary advances Vol. 2 (11): 639-643,2003.
5. Tahir B., F.R. Durrani M. Farooq, Z. Durrani, **Khan,S.**, M.A. Khan and A. Riaz. 2003. Prevalence of Fowl Cholera (*Pasturella multocida*) in Commercial Broiler Breeder Flocks Maintained in Abbott bad and Mansehra. Journal of animal and veterinary advances Vol. 2 (8): 444-447.
6. Habib-ur-Rahman, S., **S., Khan**, K. Hamayun, K. Salaam, N.Ahmad and W. M. Bhatti. 2003 Incidence and Gross Pathology of Salmonellas in chicken in Hyderabad. Journal of animal and veterinary advances Vol. 2 (10): 581-584, 2003.
7. Maqbool, A., **S.Khan**, C.S. Hayat.1998. End parasitism in poultry and its treatment with tetramisole. J. Amin. Health Produ. Vo: 18, No. (2): June. 1998.
8. **Khan, S.**, M. A. Main, M. Ayaz, Durani,F.R. and M.I. Ali 1997. Evaluation of four Gumboro vaccine strains in broilers. J. Anim. Health Prod. Vol. 18, No. (1) Jun. 1998.

III. NATIONAL CONFERENCE PROCEEDINGS

1. Asad Sultan, **Sarzamin Khan** 2014. Assessment of maggots as a sustainable poultry feed ingredient for meeting future needs of the feed milling industry of Pakistan. National conference on innovative technologies and sustainable development in agriculture. PP 90-91.

2. **Sarzamin, Khan** and Asad Sultan. 2014. Toxin binding efficacy of clay found in the southern districts of Khyber Pakhtunkhwa. National conference on innovative technologies and sustainable development in agriculture PP 92-93.
3. **Sarzamin Khan**, Asad Sultan and Muhammad Subhan Quraishi. 2012. Phytase can save environment by improving nutrient digestibility and minimizing nutrient losses in broiler production. In proceedings of National Science Conference on Agriculture and Food Security Issues in Global Environmental Prospectives. The University of Poonch, Rawalakot, Azad and Jammu Kashmir. p 301.
4. **Sarzamin Khan** and Asad Sultan. 2012. Phytase can save environment by improving nutrient digestibility and minimizing nutrient losses in broiler production. Climate Change: A Challenge for Agriculturists. KPK Agricultural University, Peshawar. PP 42.

IV. International CONFERENCE AND PROCEEDINGS

1. Rafi ullah, Sarzamin Khan, **Asad sultan**, Nazir Ahmad 2016. Silkworm meal (*bombyx mori*) as protein source in the diet of meat type chicken. The Zoological Society of Pakistan. P. 76.
2. Sarzamin Khan, Asad Sultan, Mohammad Subhan Qureshi, Haji Gul and Naseer Ahmad. 2016. Efficacy of a Local Sodium Bentonite Enriched Clay as Mycotoxin Binder in Laying Birds. World's Poultry Science Journal, Volume 72, Supplement1, page. 31.
3. Muhammad Inam, Sarzamin Khan, Naila Imtiaz, Muhammad subhan Qureshi, Asad Sultan, Rafiullah, Naseer Ahmad. 2015. Semen quality of local and exotic roosters (*gallus gallus domesticus*) during extremes of summers supplemented with ascorbic acid and electrolytes (CE-Col®). 7th International Symposium of Integrative Zoology – Wildlife, 25–28 Aug 2015, Xi'an, Shaanxi Province, China.
4. M Subhan Qureshi, Sarzamin Khan, Irfan Ul Haq Qureshi, Asim Ijaz and Asad Sultan. 2015. Reviving the economy of KP province of Pakistan under the dairy science park. International Conference on Sustainable Agriculture and Environment. University of Konya, Turkey. P-55.
5. Sarzamin Khan, M Subhan Qureshi and Asad Sultan. 2015. Improving phytate bound phosphorus bioavailability of sorghum by broilers using phytase enzyme. International Conference on Sustainable Agriculture and Environment. University of Konya, Turkey. p-161.
6. A.Sultan, **S. Khan**, R.U. Khan and M. Ilyas. 2015. A yeast carbohydrate fraction improved growth performance, apparent metabolisable energy and mineral retention by

broilers at 21 days post-hatch. (Accepted) Australian Poultry Science Symposium, Sydney, Australia.

7. **Sarzamin Khan**, Asad Sultan, Tehseen Ullah, Rafi Ullah. 2014. Influence of an organic acid blend on lower ileal microflora and production performance of broilers at day-42. (Accepted) Australian Poultry Science Symposium, Sydney, Australia.
8. A. Mahmud, Rafiullah, S. Khan, M. Akram, Saima and **Asad Sultan**, 2012. Evaluation of post peak production of commercial layers fed extruded hatchery waste meal. In Proceeding of 3rd Mediterranean Poultry Summit and 6th International Poultry Conference. p 161.
9. **Sarzamin Khan**, Ajab Khan, Naila Imtiaz, Asad Sultan, Rafi Ullah, 2012. Supplementation of zinc and vitamin C in heat stressed broilers, In Proceeding of 3rd Mediterranean Poultry Summit and 6th International Poultry Conference. p 130.
10. Abdul Jabbar Tanweer., Naila Chand, **Sarzamin Khan**, Asad Sultan, Muhammad Subhan Qureshi, Amanullah Akhtar, Muhammad Shakir, Muhammad Inam, Zia ur Rahman, 2012. Association of *Peganum harmala* l. supplementation with lipid profile of broiler chicks. *International Mediterranean Poultry Conference* Egypt (WPSA Branch). 26-30 March 2012.
11. **S. Khan**, A. Sultan, N. Chand, M. Mushtaq, Rafiullah and M. S Qureshi. 2012. Garlic (*Allium sativum*) Modulated Serum Cholesterol Level and Improved Immune Status and Carcass Quality of Meat Type Birds. The 15th AAAP Animal Science Congress. The Animal Husbandry Association of Thailand. p 192.
12. **Khan, S.**, N.A. Khan¹, G. Habib, M.S. Qureshi¹ & A. Sultan. 2012 Assessment of *Grewia oppositifolia* Leaves as Crude Protein Supplement to Low Quality Diets of Goats. Proceedings of the 1st Asia Dairy Goat Conference, Kuala Lumpur, Malaysia p 91-92.