



Univ Agric Pesh



Dairy Sci Park



Govt of KP



HEC



#SDGAction9671

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1. CAREER HISTORY

Research and Development: After getting DVM degree from UVAS Lahore, joined Livestock Department, Government of Khyber Pakhtunkhwa Pakistan during 1983 as Veterinary Officer (Health) and worked on semen processing, farm management, feeding and health coverage. Worked at Civil Veterinary Hospital and provided therapeutic and immunization services to the incoming animals. Worked as Senior Research Officer on Herd Health Program and registered buffalo farms for applied research and extension services; analyzed the prevailing practices of feeding, health and reproductive management, introduced good practices and organized the farmers into Sarhad Dairy Farmers Association, facilitating them for availing services of various research, development, marketing and financial institutions. Completed master and doctoral degrees and published a report on mismanaged livestock sector, losing an export potential of US\$ 20 billion at national level. The two successive Chief Ministers endorsed the Chief Minister Development Plan prepared by the author.

Academic excellence: Joined the University of Agriculture, Peshawar as full professor and served as Dean for two tenures. I have been working as HEC representative at PVMC and member of several professional bodies. Engaged in Teaching, Research and Industrial Linkage in animal health, reproduction, entrepreneurship and biorisk management; supervised PhD students 19, MPhil 84; subjects taught Reproductive Physiology; Livestock Industry; Stress Physiology; research projects completed 6; research publications in impact factor journals 53; books/chapters published 15, including a book on Reproductive Physiology published by Higher Education Commission of Pakistan.

Functionalized the UAP Univ Feed Mill under a lease arrangement through as private partner. Successfully introduced the feed at private dairy farmers in Peshawar and adjacent districts, competing with other feed manufacturers, based upon the best prices and quality. Initiated research on physiological base of animals' productivity and stress physiology/animals welfare and tailored the postgraduate studies and research and development projects into these priorities. Motivated the faculty members and students for winning research grants to respond to the local problems and explore business and industrial aspects of livestock and poultry production.

Academia-Government-Industry/International Linkages: Dairy Science Park (Park/DSP) has been introduced as a sacred mission for welfare of people of the Region through generation of self employment and hygienic/Halal food production. The Park has been registered as a Society with the Government of KP, Pakistan and accepted by the United Nations as #UNSDGAction9671. In line with the vision of the Higher Education Commission, the business incubation concepts were integrated into postgraduate research ongoing at the Faculty, shaping up the University – Industry linkages. A biennial series of international workshops was initiated and it continued during November, 2011, 2013 and 2015, each by 450+ delegates, with 100+ technical papers and industrial exhibition. The proceedings were published online/printed and in impact factor journals. The 1st workshop focused on post-flood revival of dairy industry, the 2nd on meat potential of the region and the 3rd on entrepreneurship development for the outgoing graduates. The fourth conference has been scheduled for Turkey during November, 2017. The DSP activities are made available to the audience at: <http://www.dairysciencepark.org.pk/>

A road map has been prepared for developing the livestock and poultry production setup into a Halal meat export base. The plan is aimed at introducing good practices into livestock SMEs, enabling them to generate maximum income for the producers and hygienic food for the consumers. Feasible models are being developed for entrepreneurship development for the outgoing graduates. DSP has got support of the provincial Agriculture Minister, Special Assistants to Chief Minister KP on Law and Livestock. The United States Department of State's Biosecurity Engagement Program has been supporting DSP under a Biorisk Management Collaboration. Four consultative workshops have been held in Amsterdam, Dubai, Bangkok and Puket, participated by 43 members of DSP for curriculum development and integration of biorisk management concept into the food value chain. Letter of Intent was signed with the Chinese Academy of Agricultural Sciences Beijing for industrial collaborative research. Research papers were presented in many countries and the fourth international conference on Dairy Science Park was organized at Turkey, jointly with Selcuk University, Konya.

Emerging industries in milk and meat processing and marketing have been provided technical and Quality Control certification support to relieve legal threats from the District Administration, who focus on price capping of milk and meat rather than quality. Meat shops established on modern lines of hygiene produce quality beef with a sound level of investment have to sell their products at relatively higher prices. Such facilities are raided by the government agencies on the basis of higher prices. The DSP teams visit such facilities and inspect the quality of animals, slaughtering, processing, packaging and storage facilities, provide SOP for quality standards and issue a certificate. Similar services are being extended to private slaughter houses and meat/milk processing centers and other emerging entrepreneurs.

Policy development/reforms plan : The Senior Minister KP, Mr Inayatullah Khan has agreed on establishment of DSP Board, under an Act of the Provincial Assembly, comprising Quality Control Laboratory Complex, Business Incubation Center, Halal Research Center and an Endowment Fund. The Chief Secretary KP has declared DSP as an innovative idea and is under consideration for approval through a Task Force. The Ex-Chief Minister KP, Mr Akram Khan Durrani supported the Park and recommended establishment of the University of Veterinary Innovations and Commercialization with up-gradation of the existing Faculty of AHVS, UAP establishment of additional facilities like slaughter houses, livestock markets and entrepreneurship models. The Higher Education Commission has accepted the Park as a Center of Excellence.

These efforts were recognized through Best University Teacher Award 2011 (HEC) and Research Productivity Award 2012 (PCST), selection as Dean for two tenures, membership of various local and international organizations/committees and acceptance of DSP as UN-SDG-Action-9671.

2. EDUCATION

| Level of Education | Name of Examination | Institution Or Board/University | Degree awarded | Marks obtained | Major Subjects |
|---------------------------|----------------------------|--|-----------------------|-----------------------|-----------------------|
| Matriculation | SSCE | BISE Pesh | 1-9-1973 | 686/850 (80.7%) | Science |
| Intermediate | FSc Premed | BISE Pesh | 1-9-1975 | 518/1100 (47.1%) | Premedical |
| Bachelor's | DVM | UA Faisalabad | 1982 | 2289/3660 (63%) | Vet Science |
| Master's | MSc Hons | Do | 1988 | 597/820 (72.8%) | Animal Reprod |
| Doctorate | PhD | Do | 1998 | 444/620 (71.6%) | Do |

3. EXPERIENCE

| Post held | Organization | BPS | From | To |
|--|--|------------|-------------|------------|
| Veterinary Officer (Health) | Directorate of Livestock & Dairy Dev | BPS-17 | 7-8-1983 | 18-6-1990 |
| Research Officer/ Senior Research Officer | Veterinary Research Institute Peshawar | BPS-17S | 19-6-1990 | 30-11-1992 |
| | | BPS-18 | 1-12-1992 | 30-11-1997 |
| | | BPS-19 | 1-12-1997 | 18-1-2005 |
| Dy Director Planning (LS) | Agriculture, Livestock and Coop Dept | BPS-19 | 2000 | 2001 |
| Professor (TTS) | The University of Agriculture, Peshawar | BPS-20 | 18-1-2005 | 12-1-2007 |
| | | BPS-21 | 13-1-2007 | To date |
| Chairman | Livestock Mngt/Animal Health | | 15-5-2007 | 20-12-2011 |
| Dean | FAHVS, UA Peshawar | | 15-4-2011 | To date |
| Chief Patron | Dairy Science Park, Peshawar | | 1-7-2010 | To date |

4. EXPERIENCE RELATED TO STATUTORY BODIES OF UNIVERSITIES

- Convener Board of Faculty of AH&VS
- Member Syndicate UAP/Member Academic Council UAP/Member Board of AS&R UAP
- Member Board of Studies, Livestock Management, Animal Nutrition, Human Nutrition, Poultry Science, Gomal College of Veterinary Sciences, AWKU Mardan
- Member Board of Faculty of AHVS/Faculty of Nutrition Sciences
- Member of Board of Governors of IBGE
- Chairman, Character Building Society/Agric Univ Teachers Foundation/Fund Raising Committee/AUP Alumni Association/Institutional Performance Evaluation Committee UAP
- Technical Member Selection Board, UA Peshawar, GU DI Khan, AJKU Muzaffar Abad, AWKUM Mardan

5. PROFESSIONAL RECOGNITION

A. Awards

- Gold Medal 2013, Unity Human Well Wishers Council, Lahore.
- Excellence Award 2013, International Livestock, Dairy and Poultry Congress, Lahore.
- Research Productivity Award 2012. Pakistan Council for Science and Technology, Islamabad.
- Best University Teacher Award 2011 (Higher Education Commission of Pakistan)
- Millennium Lifetime Award 2009 (S Asia Publication)
- Star Award 2008 (for seniors) (S Asia Publication)
- Star Laureate 2008 (S Asia Publication)

B. Membership Of International Bodies

1. Technical Expert DAAD Research Grant Scholarships, Germany.
2. Pak-Australia Dairy Project ASLP-Livestock Board Lahore (Expert in Dairy Reproduction).
3. American Dairy Science Association, USA

4. Society for Theriogenology, USA, Active Member, 2006
5. International Society of Zoological Sciences
6. International Society for Applied Life Sciences
7. Relief International Pakistan, Focal Point for KP Universities
8. Chief Editor, Meat Science and Veterinary Public Health (MSVPH)
9. Member editorial board, Asian-Aust J Anim Sci; Pak Vet J; J Agric Sci Tech A; Reviewer, J Dairy Sci USA; Canad J Anim Sci; Pak J Zool; Indian J Dairy Sci; Tropical Anim Health Prod; J Food Sci Agric., J Immunoassay Immunochemistry. Indian J Anim Res, J Medicinal Plants Res, Turkish J Vet Anim Sci, Livestock Sci; Small Ruminants Research; J Food Chem Toxic; J Cell Anim Biol; J Anim Physiol Anim Nutr

C. Fellowship/Membership of Local Bodies

1. Chief Patron/Founder Dairy Science Park
2. Pak. Vet. Med. Council, Member executive committee/HEC representative
3. Pak. Soc. Animal Reprod. Lahore, Vice President
4. Member National Steering Committee, Nutritionist Assoc. Pak. Lahore
5. UAP, UA Faisalabad, SAU Tandojam, GU DI Khan., UVAS Lahore, Graduate/Postgrad. Examiner, 1994 onwards
6. PARC/PSF/HEC/UAF, Project Reviewer, 2003 onwards
7. Member, Provincial Advisory Committee, Ministry of Science and Technology KP
8. GoKPK, Impact assessment study
9. Sarhad Dairy Farmers Association, Advisor
10. Public Service Commission, technical member
11. Livestock trainers and consultants, member BoD/Founder
12. Member, Industrial Advisory Group, NAVTEC, Prime Minister Secretariat, Islamabad.
13. Associate Editor of Sarhad Journal of Agriculture and Journal Anim Health Prod
14. Resident editor of the Veterinary News and Views
15. Member PCST Committee for Accreditation of Halal Certification Bodies

D. Visits abroad

1. Thailand, March 28 to May 6, 1994: Attended 10th International Training in Swamp Buffalo Reproduction at Chulalongkorn University. Sponsor: Royal Thai Government; 14-18 Nov, 2016, Led biorisk management workshop, sponsored by Sandia National Labs (SNL) USA; 17-22 March, 2017; Led senior management workshop on biorisk management, sponsored by SNL.
2. Italy, October 15 to 28, 2007: Attended 8th World buffalo congress at Caserta. Sponsor: HEC
3. Egypt: i) 27 Feb - 4 March., 2010; Attended 6th Int Conf Egyptian Soc Exp Biol, Minoufiya University, Cairo. Sponsor: HEC; ii) 1 to 6 July, 2010, Attended Int Workshop On Industrial Biotechnology. Alexandria, Egypt. Sponsor: OECD, Paris, France.
4. Saudi Arabia: Feb and July, 2010. Sights seeing and performance of Umrah on way back from Egypt. Sept 30 to Nov 10, 2014 for performance of Hajj.
5. Australia: Nov 12-Dec 24, 2010. Visiting Professor Charles Sturt University, Wagga Wagga; Sept 6-13, 2014, to attend *Joint ISNH / ISRP International Conference*, Canberra.
6. Turkey: Sept 6-16, 2012. Presented a paper and chaired session 2 of the International Conference on Applied Life Sciences at Konya. Discussed meat export from Khyber Pakhtunkhwa with the scientists at Selcuk University and industry people. Sponsor HEC.
7. The Netherlands: 15-18 March, 2015. Led Working Group on Biorisk Management of the Dairy Science Park to attend a meeting with US counterparts and the Third international [One Health Congress](#) sponsored by the United States Department of State's Biosecurity Engagement Program and Sandia National Laboratories.
8. Dubai; May 21-25, 2016. Led DSP delegation to attend consultative workshop on Pakistan Biorisk Curriculum Development with Sandia National Laboratories USA (sponsor)

6. INDUSTRIALIZATION OF RESEARCH

Business Incubation:

Business incubation concepts were introduced into postgraduate research at UAP and research studies were launched like maggot meal, silk worm meal, meal worm, omega-3 enriched eggs, iron and zinc enriched eggs, quality control through drug-residues, aflatoxin levels, antibiotic resistance, herbal probiotics as growth promoters, improvement meat quality through dietary antioxidants supplementations, stress management through antioxidants, semen evaluation, breeding through artificial insemination, introduction and evaluation of rabbits for meat production. Establishment of Peshawar Meat Factory was facilitated through Dairy Science Park as a model entrepreneur in the DSP Region.

Outreach/Extension Activities

Peri-urban dairy farms were studied during doctoral thesis research and losses of Rs.1043 billion per annum were reported. The farmers were organized into Sarhad Dairy Farmers Association and linked with various development and scientific organizations. Farmers' problems were highlighted through review papers for scientific and administrative journals, conferences, internet articles and press statements. Advised two successive Chief Ministers on livestock sector and presented development plans. Livestock Investment Conference was organized in collaboration with Sarhad Chamber of Commerce and Industries on July 28, 2005. Viable enterprises are being developed through integrated networks of stakeholders including KPCCI and SMEDA, under the umbrella of the Dairy Science Park as Chief Organizer. Training programs were organized for farmers, scientists and technicians in bio-risk management, good practices, entrepreneurship development, silage making and sustainable livestock and poultry farming. Sponsorship was provided by Relief International Pakistan; HUIRA, Agri-business Support Fund-USAID, SRSP and Inter-Cooperation.

7. CONFERENCE/WORKSHOPS/MEETINGS ATTENDED/PAPERS CONTRIBUTED

International 2007 and onwards

1. Qureshi, M.S., et al, 2007. Proc. 8th World Buffalo Congress, Caserta, Italy, October 19-22. pp. 1290-1293.
2. Qureshi, MS, 2007. 15th Int Cong Mediterranean Federation for Health and Production of Ruminants. 15-19, May. Pine Bay Resort Hotel, Kusadasi, Turkey.
3. Qureshi, M.S, G. Habib, 2008. Minerals intake affects reproductive physiology and milk production in dairy buffaloes. First Symposium in minerals and dairy products. Saint-Malo, France. October 1-3.
4. Qureshi, M.S., 2008. Dairy Farms and Farmers – Social Norms and Training Needs. Proc. 13th Animal Science Congress of AAAP Societies. Hanoi, Viet Nam, Sept., 22-26, pp. 582.
5. Qureshi, M.S., 2008. Socio-economic status of peri-urban dairy farms in Pakistan. Prof. Int Conf Dairy Prod. Pp. 215-217. Nov 3-4.
6. Qureshi, M.S., 2003. Integración de las cuestiones de la seguridad alimentaria en la investigación agrícola. Organisation Des Nations Unies Pour L'alimentation Et L'agriculture. Rome. . (Contributed in preparation of the draft report).
7. 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. 6th Asian Buffalo Cong. 17-30 Oct. Lahore.
8. S Khan and MS Qureshi, 2009. Pregnancy affects lactation in dairy buffaloes. 6th Asian Buffalo Cong. 17-30 Oct. Lahore.

9. Mushtaq, A., MS Qureshi, S Khan, G Habib, ZA Swati, S Rahman, 2009. Body condition (BCS) regulates milk yield (MY) and composition (MC) in dairy animals. 6th Asian Buffalo Cong. 17-30 Oct. Lahore.
10. Qureshi, M.S., A Mushtaq, S Khan, G Habib, ZA Swati and SS Afridi, 2010. Effect of body condition and pregnancy on milk yield and composition in crossbred dairy cattle under tropical conditions. 6th Int Conf Egyptian Soc Exp Biol, 27 Feb - 4 March. Minoufiya University, EGYPT.
11. Mushtaq, A. and MS Qureshi, 2010. Effect Of Management Practices On Milk Composition In Dairy Buffaloes. International Workshop On Industrial Biotechnology. July 3-4, Alexandria, Egypt.
12. Qureshi, M.S., 2011. Scope of Livestock Sector of Pakistan, the post-flood scenario. International Conference on flood 2010. Feb 23-24, National University of Science and Technology, Islamabad.
13. Qureshi, MS, 2011. Flood 2010 - Losses and future scope of the KP Dairy sector. Int Workshop On Floods in Pakistan-2010, 12 March. Pak Engg Cong, Lahore.
14. Khan, R and MS Qureshi, 2011. Natl Workshop on Env Toxic Health. 8-09 March
15. [Qureshi, MS, 2011](#). 14th World Cong Controversies in Obst Gyn Infert (COGITTM). Paris, France. P-55, 17-20 November.
16. [Qureshi, MS, 2011](#). 15th World Congress on Controversies in Obstetrics, Gynaecology and Infertility, December 8-11, 2011, Sayna Hainan, China (oral presentation).
17. [Qureshi, MS, 2011](#). Keep Dairy Animals Stress-Free For Better Profits. Int Workshop Dairy Sci Park, (Nov 21-23). Agric Univ, Peshawar. Abstract Book, BS-85.
18. Qureshi, MS, 2012. Dietary manipulations for enhancing cardio-protective fatty acids in the milk of dairy cows. 1st Biotechnology World Congress, Dubai, UAE. Feb 14-15. Accepted.
19. Qureshi, M.S., S. Khan, N.A. Khan and K.B. Marwat, 2012. "Dairy Goat – a potential candidate of the Dairy Science Park Peshawar, Pakistan" 1st Asia Dairy Goat Conference, Kuala Lumpur, 9-12 April, Universiti Putra Malaysia.
20. Attended regional consultative meeting on assessment of diversity of veterinary services (public and private sector) in SAARC countries at PARC Islamabad from 17 to 18 July, 2012.
21. Qureshi MS, M Inam, S Khan, P Chenoweth, A Sultan and N Imtiaz, 2012. [Effect of Vitamin C and Electrolytes Supplementation on Exotic and Local Poultry Semen Quality Under Thermal Stress in Pakistan](#). 8th Biennial Conference of the Association for Applied Animal Andrology, 2012 - Vancouver, Canada.
22. Qureshi MS, TA Azeemi, 2012. Dietary manipulations for enhancing cardio-protective fatty acids in the milk of dairy cows. [International Conference on Applied Life Sciences](#). September, 10-12, Konya, Turkey.
23. Khan, S., N.A. Khan, G. Habib, M.S. Qureshi & 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, 9–12 April 91-92.
24. Qureshi, M.S., S. Khan, N.A. Khan & K.B. Marwat, 2012. Dairy Goat – a Potential Candidate of the Dairy Science Park, Peshawar, Pakistan. [Proceedings of the 1st Asia Dairy Goat Conference](#), Kuala Lumpur, Malaysia, 9–12 April. 201-203.
25. Khan S, A Sultan, N Chand, M Mushtaq, Rafiullah and MS Qureshi, 2012. Garlic (*Allium sativum*) Modulated Serum Cholesterol Level and Improved Immune Status and Carcass Quality of Meat Type Birds. *Proc. The 15th AAAP Anim Sci Cong*, 26-30 Nov, Thammasat University, Rangsit Campus, Thailand. 1042-1046.
26. Qureshi MS, K Khan, A Rahman, 2013. Detection of antibiotics residues in beef produced at Peshawar, Pakistan. [The 10th World Buffalo Congress](#), Thailand.
27. Qureshi MS, 2013. [Utilization of local livestock species for food production in the northern Pakistan](#). *5th International Congress of Integrative Zoology*. Beijing, China. 25-28 June.
28. Qureshi MS, Qureshi IU, 2013. Scope for biological sensing technologies in meat production and export in northern Pakistan. 1st International Conference on Sensing for Industry, Control, Communication & Security Technologies. June 24-26. University of Karachi.
29. Qureshi MS, et al, 2014. Int Livestock, Dairy Poultry Cong. PVMA, Aiwan-i-Iqbal, Lahore.

30. Tanweer AJ, N. Chand, U Saddique, CA Bailey, S KHAN, MS Qureshi and A Sultan, 2014. *Fourth Mediterranean Poultry Summit of the WPSA*, Beirut, Lebanon. 2-5 Sept.
31. Khan I, et al, 2014. Proc. *Joint ISNH /ISRP Int Conf/ 30th Biennial Conf Aust Soc Anim Prod*. Vol 30, pp.97. Canberra, Australia. 8-12 Sept.
32. Qureshi MS, 2015. Recent advances in Nutrition- Reproduction Interactions in Dairy Animals. [Int Symp Dairy Anim Reprod](#). March 30-31, UVAS Lahore.
33. Wahab A, H Khan, MS Qureshi, M Younas and S Khan, 2015. [Int Symp Dairy Anim Reprod](#). March 30-31, UVAS Lahore. Pp 100.
34. H Khan, A Wahab, MS Qureshi, S Ahmad, M Younas and S Khan, 2015. [Int Symp Dairy Anim Reprod](#). March 30-31, UVAS Lahore. Pp 86.
35. Khan IM, et al, 2015. [Int Symp Dairy Anim Reprod](#). March 30-31, UVAS Lahore.
36. Khan A, et al, 2015. [Int Symp Dairy Anim Reprod](#). March 30-31, UVAS Lahore.
37. Khan I, Qureshi MS et al, 2015. [Int Symp Dairy Anim Reprod](#). March 30-31, UVAS Lahore.
38. Khan I, Qureshi MS et al, 2015. [Int Symp Dairy Anim Reprod](#). March 30-31, UVAS Lahore.
39. Ghaffar A, MS Qureshi et al., 2015. [Int Symp Dairy Anim Reprod](#). March 30-31, UVAS Lahore.
40. Khan H, Qureshi MS et al, 2015. [Int Symp Dairy Anim Reprod](#). March 30-31, UVAS Lahore.
41. Qureshi MS, 2015. [8th Asian Buffalo Congress](#). Istanbul, Turkey, 21-25 April.
42. Khan A, et al, 2015. [8th Asian Buffalo Cong](#). Istanbul, Turkey, 21-25 April.
43. Qureshi MS, 2015. [Int Livestock Dairy Poultry Cong](#). Feb 27-28. Lahore, Pakistan.
44. Qureshi MS, 2015. Led Working Group on Biorisk Management of the Dairy Science Park to attend a meeting with US counterparts and the [Third int One Health Cong](#), 15-18 March, Netherlands.
45. Inam M, et al, 2015. 7th Int Symp Integ Zool, 25-28 Aug 2015. ISZS, Xi'an, China.
46. Khan I and MS Qureshi, 2016. Crossbred cows respond differently from Holstein Frisian and *Bos Indicus* to heat stress under various Accepted for oral presentation, ID FO0100; TASP 2016 conference in Bangkok, Thailand. July 26-29.
47. Shah K, US Khattak, MS Qureshi, 2016. Comparative efficacy of commercially available antimicrobials against local isolates of *Mycoplasma mycoides* sub specie Capri.
48. Shah MK, et al. 21st Int Org Mycoplasma Congress. Queensland University of Technology, Queensland, Australia. 3 – 7th July (The paper won an award of US\$ 1000).
49. Qureshi MS, 2016. Led Dairy Science Park Delegation and presented paper in Consultative workshop of DSP team with Sandia National Laboratories USA for Pakistan Biorisk Curriculum Development. Dubai; May 21-25, 2016.
50. Basit A, A Rahman, S Ahmad, MS Qureshi, SM Suhail, HU Din, 2016. Annual International Conference on Advances in Veterinary Science Research (VETSCI). Singapore. 26-27 September.
51. Khan, NA Khan, N Ahmad, MS Qureshi, 2017. Screening of traditional and novel spring maize cultivars for silage production. International Livestock Nutrition Summit, Feb 21-22, 2017. UVAS Lahore.

Conferences/workshop/organized <http://dairysciencepark.org.pk/>

- [International Workshop on Dairy Science Park, Peshawar](#) (Nov 21-23, 2011)
- [Second International Workshop on Dairy Science Park, Peshawar](#) Nov 18-20, 2013
- [Third International Workshop on Dairy Science Park, Peshawar](#) Nov 16-18, 2015
- [Fourth International Workshop on Dairy Science Park, Turkey](#) Nov 1-5, 2017

8. RESEARCH SCHOLARS SUPERVISED:

PhD, Major supervisor (completed)

1. Sohail, SM, 2007. Genetic and phenotypic evaluation of dairy buffaloes for performance traits.
2. Mushtaq, Anila, 2009. Effect of physiological states on milk composition in dairy animals under subtropical conditions.
3. Ikramullah Khan, 2014. Evaluation of different stress indicators associated with reproductive cyclicity of crossbred dairy cows.

4. Ihsanullah, 2016. Effect of stress on reproductive physiology of crossbred cattle under sub-tropical conditions of northern Pakistan. AUP (Major Supervisor).
5. Shakir Ullah, 2016. Association of oxidative stress with GnRH concentrations in crossbred dairy cows. (Major Supervisor).

PhD, Member supervisory committee (completed)

1. Khan, Sarzamin, 2007. Lactation – Reproduction Interaction in dairy buffaloes. AU Peshawar.
2. Chand, Nyla, 2008. Effect of *Berberis lycium* on the performance, serum lipid profile, immunity and liver function in broiler chicks. Agric Univ Peshawar.
3. Tanveer, AJ, 2011. Effect of administration of different levels of methanolic extract of Peganum harmala on hematology, immunity and serum biochemistry of broiler chicks.
4. Sultan, Shoaib, 2016. Dietary supplementation of protected fats and Vitamin E to improve semen quality in Beetal bucks. (Member).
5. Muhammad Abubakar, 2017. Epydynamics and molecular characterization of peste des ruminants virus. PARC Institute of Advances Studies in Agriculture, UAP. Major supervisor Aamir Ben Zahur.

PhD ongoing

1. Iftikhar Ahmad (Coursework completed). Effect of stress on milk quality in dairy cattle and buffaloes. (Major Supervisor).
2. Younas Muhammad (Coursework completed). Investigation into genetic base of fertility in crossbred dairy cattle. (Major Supervisor).
3. Muhamamd Inam. Stress productivity interaction in broilers. Research in progress. Member
4. Kamran Khan. Meat production potential of rabbits. Research in progress. Member
5. Siraj ud Din. Studies on meat quality of ruminants. Research in progress. Member
6. Khan, Nadar. Optimizing the nutritional value of maize silage in relation to milk production and quality of dairy cows. major NA Khan AN; member
7. Khan, M Tahir. Evaluation of fungal treated roughages for beef production in the subtropical conditions of KP. PhD Synopsis, Major Supervisor Prof Nazir Ahmad
8. Asadullah. Studies on epidemiology, and molecular characterization of mycobacterium in large ruminants in central zone of KP. Pathology, Major Umer Sadique; member
9. Khalil, Zia ur Rahman. Postpartum reproductive cyclicity and serum biochemical profiles of Achai cattle under farming practices in the Northern Pakistan. Major Supervisor Dr Abdur Rahman.
10. Lal, Chaman. PIASA, NARC, Islambabad, Major SMH Andrabi.

MSc (Hons) Major supervisor (Completed)

1. Iftikhar Alam, 2006. Comparative efficiency of different extenders for preserving goats's semen.
2. Raj Wali Khan, 2010. Evaluation of quality of drinking water used at dairy farms in District Peshawar.
3. M Obaidullah Qureshi, 2010. Reproductive ccylcity of cattle under tropical conditions.
4. Daulat Khan, 2010. Effect of seasons and extenders on semen quality in goats.
5. Usman, M., 2010. Study of the impact of Animal Husbandry In-service Training Institute on the livestock performance in three districts of NWFP.
6. Kadwal, MH, 2011. The status of blood metabolites and hormonal profile in crossbred cattle manifesting various reproductive disorders under field conditions.
7. Ali, Amjad, 2011. Changes in blood metabolites in various management conditions and their association with conception in local dairy cows.
8. Bakht Daraz Khan, 2011. Milk fat levels under different storage conditions and physiological states in dairy animals.
9. Munawar Shah, 2011. Effect of age, lactation and feed combinations on milk composition and fertility in various breeds of dairy cattle and buffaloes.

10. Tawheed Ali Azeemi, 2011. Effect of protected fats on milk fatty acids, milk yield and ovarian activities of crossbred cattle under subtropical conditions of Peshawar.
11. Fowad ur Rahman, 2012. Replacement of animal proteins sources in semen extenders with plant proteins in various cattle breeds.
12. Gulfam, M. 2012. Effect of fascioliasis on health and productive parameters in crossbred cattle.
13. Hafiz Abdul Majeed, 2012. Semen quality of Beetal bucks. As influenced by supplemented vitamine E.
14. Shah Nawaz, 2012. Relatoinshp of bovine tuberculosis in cattle, buffaloes and human populations in District Peshawar.
15. Fida Muhamamd Khan, 2012. Study on seroprevalence of bovince tuberculosis and its association with varoius risk factors in cattle and humans in district Peshawar.
16. Hafiz ur Rahman, 2012. Effect of dietary zinc on semen traits and seminal plasma biochemical composition in Beetal bucks.
17. Muhammad Zahoor Khan, 2013. Molecular characterization of Brucella abortus and B. mellitensis through multiplex PCR in cattle and humans in district Karak.
18. Zarlish Wahab, 2014. Prevalence of hydatid cysts in cattle, buffaloes and human populations in District Peshawar.
19. Muambar Shah, 2014. Effect of heat stress, body condition score and ascorbic acid supplementation on semen traits of different breeds of bull.
20. Abdul Ghaffar Khan, 2014. Association of testicular growth with semen quality, growth pattern and docility in various cattle breeds. Major supervisor
21. Hamayun Khan, 2014. Effect of dietary supplementation of flaxseed on semen quality and production in different dairy cattle breeds under subtropical conditions. Major Supervisor.
22. Najam us Saqib, 2014. Association of changes in postpartum metabolism and stress parameters with resumption of ovarian cyclicity in exotic dairy cattle. Major Supervisor.
23. Muhammad Riaz, 2016. Relationship of aflatoxin levels with growth rate of calf under field conditions. Major Supervisor

MSc (Hons), Co-supervisor (Completed) 61

MSc Hons ongoing, Member Supervisory Committee: 21

9. RESEARCH PROJECTS (Completed)

1. Principal Investigator, Improvement of Artificial Insemination Technology in Dairy Buffaloes in NWFP – Cost 0.3 million, ARF-Pak. Agric. Res. Council, Islamabad. (2001-2004) (completed)
2. Principal Investigator, Genetic Improvement of Dairy Goats in NWFP. Cost 0.2 million, CDYST- Pak. Sci. Foundation Islamabad (2004-2006). (completed)
3. Project Component Supervisor, Livestock Component, STRC Project. Cost Rs.167 million. Higher Education Commission of Pakistan, Islamabad.
4. Project In charge, Research and developments for improvement in hides and skins in NWFP (1994 to 1998).
5. Principal Investigator, Effects of season and extenders on goats's semen integrity and fertility. Cost 1.1 million, Pak. Sci. Foundation Islamabad (2007-2009). (in progress).
6. Co-Principal Investigator, Reproductive characteristics of beetal male goats as influenced by the dietary supplementation of alphatocopherol. HEC Research Grant to Dr Rifatullah Khan, Assistant Professor. Rs.0.50, 2013-14.

10. RESEARCH PUBLICATIONS

Scopus ID: 7202876145; Thompson ISI, My Researcher ID: C-7212-2008; ORCID ID: 0000-0002-1355-5924; h-index 5; citation: 80 (April 27, 2016)

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B. HEC recognized journals: 22

C. Books published

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Citations in impact factor journals

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