



(Updated on June 19, 2016)

Professor Muhammad Subhan Qureshi

DVM, MSc Hons, PhD (Theriogenology) ([UA Faisalabad](#))

Position [Dean](#), Faculty of Animal Husbandry and Veterinary Sciences, Khyber Pakhtunkhwa Agricultural University, Peshwar-25120, Pakistan/
[Chief Patron](#) Dairy Science Park, Peshawar
[Adjunct Professor](#), Charles Sturt University, Australia

Phone Tel +92 91 9221028, Mobile +92 300 587 7933
Fax +92 91 9216520
Email drmsqureshi@aup.edu.pk



PERSONAL/CAREER HISTORY

After graduating from the University of Veterinary and Animal Sciences, Lahore during 1982, Prof Qureshi joined the provincial Livestock Department as Veterinary Officer and was involved in semen processing, quality monitoring, farm management, veterinary research and herd health. During 2005, Prof Qureshi joined the University of Agriculture, Peshawar as full professor and served as Dean for two tenures. He has supervised several PhD and M Phil research scholars. He has got a good number of scientific publications in impact factor and HEC recognized journals, several books and chapters, in addition to popular articles on the internet engines, electronic and printed press. He has been working as HEC representative at PVMC and member of several professional bodies. He is also assisting several journals as member editorial boards or reviewer.

Prof Qureshi introduced the concept of Dairy Science Park (DSP) and integrated the business incubation concepts 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, 2015 with the cooperation of various agencies attended each by 450+ delegates, with 100+ technical papers and exhibition by business companies. The proceedings were published online, in printed form and through impact factor journals and recommendations communicated to relevant authorities. 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. A road map was 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.

The Senior Minister KP, Mr Inayatullah Khan has agreed on establishment of DSP Board, comprising a Quality Control Laboratory Complex, a Business Incubation Center and a Halal Research Center and an Endowment Fund. The Higher Education Commission has accepted the Park as a Center of Excellence. The Park has been registered as A Society with the Government of KP, Pakistan and accepted by the United Nations as #UNSDGAction9671, for self employment for the youth and hygienic food production for the people of KP and FATA.

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)

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-Australasian Journal of Animal Science since 1999; Pakistan Veterinary Journal; Journal of Agricultural Science and Technology A; Reviewer, J Dairy Sci USA; Canadian 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; Journal of Food and Chemical Toxicology; Journal of Cell and Animal Biology; Journal of Animal Physiology and Animal Nutrition

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
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)

CONFERENCE/WORKSHOPS/MEETINGS ATTENDED/PAPERS CONTRIBUTED

International, after 2010

1. Khan, R and MS Qureshi, 2011. Effect Of Heavy Metal And Mineral Contents In Drinking Water On Buffalo Milk Production And Quality In Urban, Peri Urban And Rural Dairy Farms Of Peshawar. National Workshop on Environmental Toxicology and Health. 8-09 March
2. [Qureshi, MS, 2011](#). Relationship Of Blood Metabolites With Reproductive Cyclicity In Indigenous And Exotic Breeds Of Dairy Cows Under Tropical Conditions. The 14th World Congress on Controversies in Obstetrics, Gynecology & Infertility (COGITM). Paris, France. P-55, 17-20 November.
3. [Qureshi, MS, 2011](#). Stressors impeding ovulation in mammals ? Experience in dairy cattle and buffaloes. 15th World Congress on Controversies in Obstetrics, Gynaecology and Infertility, December 8-11, 2011, Sayna Hainan, China (oral presentation).
4. [Qureshi, MS, 2011](#). Keep Dairy Animals Stress-Free For Better Profits. International Workshop on Dairy Science Park, (November 21-23). Agric Univ, Peshawar. Abstract Book, BS-85.
5. 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.
6. 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.
7. 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.
8. 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.
9. 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.
10. 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.
11. 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.
12. 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.
13. Qureshi MS, K Khan, A Rahman, 2013. Detection of antibiotics residues in beef produced at Peshawar, Pakistan. [The 10th World Buffalo Congress](#), Thailand.
14. 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.
15. 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.
16. Qureshi MS, S Khan, U Sadique, S Ahmad, A Sultan and A Rahman 2014. Science – Industrial linkage for developing livestock and poultry resources of Northern Pakistan. International Livestock, Dairy and Poultry Congress. Pakistan Veterinary Medical Association, Aiwan-i-Iqbal, Lahore.
17. Tanweer AJ, N. Chand, U Saddique, CA Bailey, S KHAN, MS Qureshi and A Sultan, 2014. Wild rue (*Peganum harmala L.*) extract controls coccidiosis in broiler chicks. *Fourth Mediterranean Poultry Summit of the WPSA*, Beirut, Lebanon. 2-5 Sept.
18. Khan I, MS Qureshi, S Akhtar, SM Suhail and S Ahmad, 2014. Seasonal stress affects economic traits in dairy cattle with various levels of exotic blood under subtropical condition of Peshawar.

- Proc. *Joint ISNH /ISRP International Conference/ 30th Biennial Conference of the Australian Society of Animal Production*. Vol 30, pp.97. Canberra, Australia. 8-12 Sept.
19. Qureshi MS, 2015. Recent advances in Nutrition- Reproduction Interactions in Dairy Animals. [Int Symp Dairy Anim Reprod](#). March 30-31, UVAS Lahore.
 20. Wahab A, H Khan, MS Qureshi, M Younas and S Khan, 2015. Pregnancy related changes in gross morphometry of placenta and developing fetus in local rabbits. Recent advances in Nutrition- Reproduction Interactions in Dairy Animals. [Int Symp Dairy Anim Reprod](#). March 30-31, UVAS Lahore. Pp 100.
 21. H Khan, A Wahab, MS Qureshi, S Ahmad, M Younas and S Khan, 2015. Studies on the selected biochemical indicators of the amniotic fluid in local rabbits during successful pregnancy. Recent advances in Nutrition- Reproduction Interactions in Dairy Animals. [Int Symp Dairy Anim Reprod](#). March 30-31, UVAS Lahore. Pp 86.
 22. Khan IM, MS Qureshi, RU Khan, U Saddique, A Khan, SMH Andrabi, A Gohar, M Younas, H Khan, H Rehman and Zahirullah, 2015. [Int Symp Dairy Anim Reprod](#). March 30-31, UVAS Lahore.
 23. Khan A, MS Qureshi, RU Khan, U Saddique, IM Khan, SMH Andrabi, A Gohar, M Younas, H Khan, H Rehman and Zakirullah, 2015. Effects of Different Equilibration Times on Cell Membrane and DNA Integrity of Sperm after Cryo-preservation in Cattle. [Int Symp Dairy Anim Reprod](#). March 30-31, UVAS Lahore.
 24. Khan I, Qureshi MS et al, 2015. Fertility improvement in cross-bred dairy cows through supplementation of Vitamin E as antioxidant. [Int Symp Dairy Anim Reprod](#). March 30-31, UVAS Lahore.
 25. Khan I, Qureshi MS et al, 2015. Effects Of Flxseed Supplementation On Semen Quality And Quantity In Different Dairy Cattle Breeds. [Int Symp Dairy Anim Reprod](#). March 30-31, UVAS Lahore.
 26. Ghaffar A, MS Qureshi et al., 2015. Testicular Biometry, Scrotal Circumference, Serum Testosterone And Semen Characteristics In Achai And Jersey Bulls. [Int Symp Dairy Anim Reprod](#). March 30-31, UVAS Lahore.
 27. Khan H, Qureshi MS et al, 2015. Effects Of Flaxseed Supplementation On Semen Quality And Quantity In Different Dairy Cattle Breeds. [Int Symp Dairy Anim Reprod](#). March 30-31, UVAS Lahore.
 28. Qureshi MS, 2015. Dairy Science Park - a tool for exploring business potential of dairy buffaloes. [8th Asian Buffalo Congress](#). Istanbul, Turkey, 21-25 April.
 29. Khan A, R Khan, MS Qureshi, U Sadique, 2015. Effect Of Different Equilibration Times On Post-Thaw Cryopreserved Semen Quality Of Nili Ravi Buffalo Bulls (*Bubalus Bubalis*). [8th Asian Buffalo Congress](#). Istanbul, Turkey, 21-25 April.
 30. Qureshi MS, 2015. Evaluation of livestock resources for development of small and medium enterprises in KP. [International Livestock Dairy and Poultry Congress](#). Feb 27-28. Expo Centre, Johar Town, Lahore, Pakistan.
 31. Qureshi MS, 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](#), 15-18 March, The Netherlands.
 32. Inam M, MS Qureshi, S Khan, N Imtiaz, A Sultan, Rafiullah, NAhmad, 2015. Semen Quality Of Local And Exotic Roosters (*Gallus Gallus Domesticus*) During Extremes Of Summers Supplemented With Ascorbic Acid And Electrolytes (Ce-Col®). 7th Int Symp Integrative Zoology, 25-28 August 2015. ISZS, Xi'an, Shaanxi Province, China.
 33. 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.
 34. Shah K, US Khattak, MS Qureshi, 2016. Comparative efficacy of commercially available antimicrobials against local isolates of *Mycoplasma mycoides* sub specie Capri.
 35. Shah MK, U Saddique, S Ahmad, ZU Hassan, W Shahzad, MS Qureshi, SSA Shah, HU Rehman, M Ali Khan and H Khan. 21st International Organization for Mycoplasmaology

Congress. Queensland University of Technology, Queensland, Australia. 3 – 7th July
(The paper won an award of US\$ 1000).

Conferences/workshop/organized

International Workshop on Dairy Science Park (November 21-23, 2011) was held at the Agricultural University Peshawar as chief organizer. Cooperation of the Extension and Research wings of the Livestock and Dairy Development, Pakistan Veterinary Medical Association and Livestock Trainers and Consultants were gained as organizing partners. HEC assisted as the main sponsor, followed by financial assistance of Alltech Pakistan Ltd, Ghazi Brothers, Karachi; Inter-cooperation (IC) Pakistan, Peshawar. ICI Pakistan and Naseem Traders/Romer Lab Rawalpindi also displayed their products through stalls. Technical support was provided by ICRISAT India, SMEDA Peshawar, KPCCI, Charles Sturt University, NSW, Australia and Agri Livestock Bureau, Faisalabad. Website coverage was provided by AU Peshawar, Engormix.com, World Veterinary Year, 2011; World Vet Association; Int Soc Zool Sci; IBKRC Philippines; The Dairy Site News; Khyber Pakhtunkhwa Official Gateway News and Events. pakissan.com. Press coverage was provided by Daily Mashriq, Daily Aajj; Daily Pakistan Observer; The Frontier Post; Business Recorder; Associated Press of Pakistan; The Weekly Technology Times, Pakistan.

The conference was attended by +450 delegates from all four provinces of the country and Azad Jammu and Kashmir belonging to a variety of segments of the society. During the three days of the workshop, experts from academia, research, extension and industry, policy makers and farmers community presented 35 papers and exchanged ideas to work out a comprehensive plan for the development of dairy industry of the province. The workshop was inaugurated by the Honorable Minister for Agriculture, Arbab Muhammad Ayub Jan and concluded by Haji Hidayatullah Khan, Minister for Livestock. Ninety one Abstracts and 13 titles were published in an abstract book, ISBN-978-969-422-001-7. Another volume of the book was published covering recommendations, daily proceedings and pictorials. A committee shaped up the recommendations into various components including Business Support, Infrastructural Support, Legislative And Policy Support, Animal Production Support, Animal Health Support, Environment And Energy Solutions, Institutional Strengthening and Coordination.

The Second International Workshop on Dairy Science Park was organized as Chief Organizer in 2013, Nov 18-20, focusing on developing enterprising capacity of livestock and poultry farmers of Pak-Afghan Region for meat production. The Conference was attended by 500+ members. The Higher Education Commission was the main sponsor supplemented by other sister and development agencies and private companies. Papers were presented by during 9 sessions by speakers from various parts of the country, 6 faculty members for Kabul and Nangarhar University Afghanistan and Dr Mithat Direk from Selcuk University, Turkey. 200 abstracts were published in the proceeding book with ISSN number. A recommendation committee has compiled their findings and are being shared for implementation by various relevant stakeholders, mainly focused on business incubation and development of the required infrastructure and services. A roadmap for implementation of the Park as a Business Incubation Center is under consideration by the HEC for sponsorship.

The Third International Workshop on Dairy Science Park was organized as Chief Organizer in 2015, Nov 16-18, focusing on support to the war-hit economy of Khyber Pakhtunkhwa through self-employment and hygienic food production for local consumers and international Halal Meat Market. The Senior Minister Mr. Inayatullah Khan inaugurated the Workshop, participated by academic, government and industry leaders, policy makers and farmers, from all four province of the country, Azad Jammu and Kashmir, Afghanistan and Turkey. Mr Mohibullah Khan Special Assistant to Chief Minister on Livestock, Mr Arif Yousaf Special Assistant to Chief Minister on Law and Mr Jaffar Shah Member Public Accounts Committee and Arbab Asim Khan District Mayor Peshawar chaired various sessions, accompanied by Deans and institutional head from various organizations. Seven technical sessions were held comprising: i) Livestock Development and Business Incubation; ii) One Health; iii) Feed and Food Safety; iv) Animal Health and

Technology; v) Poultry Science and; vi) Prospective Dairy Farming and Dairy Products in Pakistan. MoU's were signed by Dairy Science Park team with Mevlana Exchange Program and Selcuk University Turkey.

The Senior Minister urged upon efficient utilization of the natural resource available in the Khyber Pakhtunkhwa province for the welfare of the people. DSP was acknowledged as a tool to fill the gap between the policy makers, academia and industry. The Senior Minister agreed with establishment of an autonomous DSP board, focused at the burning issues of self-employment and hygienic food production. The Board will provide an infrastructure for Business Incubation Centre to promote industrial research under an Endowment Fund, with a total cost of Rs.500 million). UPgradation of FAHVS UAP to University of Veterinary Innovations and Commercialization was proposed.

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 subtropical 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, 2014. Dietary supplementation of protected fats and Vitamin E to improve semen quality in Beetal bucks. (Member).

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

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 cyclicity 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. Relatoinsph 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 cyclicality 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)

1. Hamidullah, 1993. Incidence of reproductive disorders and pregnancy in buffaloes in slaughter at Peshawar Abbtair. AUP (NWFP-Agric. Univ.
2. Gulzar Ahmad, 1996, Effect of health status on reproductive performance in buffaloes. UA Faisalabad.
3. Ghulam Muhammad, 1997. Productive and reproductive performance of bufflaoes in district Dir. Sindh Agric. Univ.
4. Asmatullah Khan 1999. Reproductive and productive performance of crossbred cattle in district Bannu. Sindh Agric. Univ.
5. Jan Mir Khan, 1999. Crossbreeding in cattle in Bannu. UAF (Univ. Agric. Faisalabad)
6. Ahmad Jan, 2000. Productive and reproductive performance of buffaloes in Charsadda.
7. Rafiullah, 2001. Ovarian scanning and blood minerals in crossbred repeaters cattle at estrus. UAF
8. Siddique Ali, 2003. Factors effecting conception rate in dairy buffaloes under field conditions. UVAS Lhr
9. Zaitoon Khattak, 2004. Productive and reproductive performance of dairy buffaloes under field conditions. Univ. Peshawar.

10. Nazir A.K., 2006. Feeding value of tree leaves and cottonseed cake as supplement in lactating beetal goats. NWFP Univ. Agric.
11. Iftikhar Ahmad, 2007. Effect of mastitis on milk composition in cows and buffaloes. NWFP Agric Univ Peshawar.
12. Asim Ijaz, 2007. Body characteristics and their relationship with some qualitative and quantitative traits in Damani Goats at Dera Ismail Khan (NWFP Agric Univ Peshawar).
13. Iqbal, Zafar, 2007. Antiparasitic and immuno-modulatory effects of some common anthelmintics in buffalo calves. NWFP Univ. Agric.
14. Hussain, Maryam, 2008. Effect of water sprayed and soaked wheat straw on intake and digestion of rations supplemented with molasses urea liquid vs molasses urea block licking by cow calves. NWFP Univ. Agric.
15. Khan, M.Tahir, 2008. Effect of substituting wheat straw with peanut hay on dry matter intake, digestion and nitrogen retention in rations for sheep maintenance. NWFP Univ. Agric.
16. Khan, M. Rizwan, 2009. Nutritional status of internally displaced children in Muzarrarabad Earthquake 2005. NWFP Univ. Agric.
17. Asif, Yasmeen, 2009. Comparative study on relationship between risk factors and gallstone formation in females of Peshawar city. NWFP Univ. Agric.
18. Mirajullah Shah, 2009. Effect of pregnancy on milk yield and composition in dairy buffaloes. NWFP Univ. Agric.
19. Aamir Jalil, 2009. Morphological Characterization of Kutta Sheep breed in Swat.
20. Marwat, I., 2009. Effect of breeding methods on calf sex and postpartum reproductive performance of cattle and buffaloes. Agric Univ Peshawar
21. Ihsanullah, 2009, Protein contents in dairy milk. Agric Univ Peshawar.
22. Jan, Shaista, 2010. Effect Of Age And Lactation Stage On Blood Metabolites And Milk Fatty Acids Profile In Dairy Buffaloes.
23. Huma Naqeeb., 2010. Comparative study of iron status between female cardiovascular cases and controls in Peshawar. Agric Univ Peshawar.
24. Asma Masood., 2010. Assessment of body composition and hemoglobin status of adolescents in two schools at Lahore. Agric Univ Peshawar.
25. Tariq Khan., 2010. Assessment of vitamin A and zinc status between smokers and non-smokers in Peshawar. Agric Univ Peshawar.
26. Imran Anwar., 2010. Comparative study on body composition and plasma lipid profile of smokers and non-smokers in Peshawar. Agric Univ Peshawar.
27. Muhammad Islam, 2011. The effect of breed age and sex on meat production potential of cattle in the subtropical conditions of Khyber Pukhtunkhwa.
28. Sirajuddin, 2011. Level of E coli on animal body coat and meat under slaughter house conditions in dairy buffaloes.
29. Tariq Ali Khattak, 2012. Effect of management practices and age on mastitis incidence in Nili Ravi Buffaloes.
30. Kaleemullah, 2012. Genetic evaluation and relationship among various performance traits in Pakistani horse.
31. Khan, Kamran, 2012. Detection of antibiotics residues in beef slaughtered at Peshawar.
32. Inam, Muhammad, 2012. Comparative evaluation of semen from Starbro Cobb-500 broiler breeders and local cocks (non-descriptive) under summer stress of Peshawar.
33. Hayaz ud Din, 2012. Effect of cottonseed cake on cattle milk yield and composition at Livestock R&D Station Surezai, Peshawar.
34. Shamsur Rahman, 2012. Determination of meat production potential of Turki, Afghan Arabi and Baluchi Sheep breeds in Afghanistan.
35. Nadar Khan, 2012. Relationship of variable dietary energy with reproductive hormones, milk production and blood metabolites of early lactating dairy cows. Animal Nutrition Department.
36. Tariq Ahmad, 2012. Influence of crude protein levels on milk production, blood urea and progesterone profiles in mid lactating Jersey Cattle. Animal Nutrition Department.
37. Sadiq Shah, 2012. Relationship of soil minerals with fodders and blood of dairy buffaloes and its effect on milk production and reproductive hormones. Animal Nutrition Department.

38. Muhiyud din, Afshan, 2012. Assessment of body composition and hemoglobin status of adolescents in selected schools of Peshawar. NWFP Univ. Agric.
39. Sohail Ahmad. Determination of glycemic indices and glycemic load of vegetable legume based mixed meals.
40. Naila Niaz, 2013. Comparative immune status of local and exotic dairy cows to zoonotic diseases. Safirullah, 2014. Prevalence of Brucellosis in Equines in district Peshawar.
41. Ibrar Muhamamd Khan, 2014. Comparison of semen quality in pure and crossbred bulls before and after thawing.
42. Adnan Khan, 2014. Effect of different equilibration times on post thaw cryopreserved semen quality of cattle and buffalo bulls.
43. Hamid Rehman, 2014. Relationship of age, breed and libido with semen traits of cattle bulls. Theriogenology Section, UA Peshawar.
44. Noor Badshah Khattak, 2015. Effect of different levels of green tea (*Camellia sinesis*) extraction on post-thaw quality of buffalo bulls (*Bubalus bubalis*). Theriogenology; spermatozoa. Member.
45. Naveed Iqbal, 2015. Effect of feeding different levels of discarded date palms on feed intake, digestibility, milk yield and composition in Damani Sheep. AN; member.
46. Muhammad Shafiq, 2015. Immunoglobulin G and protein concentration in blood and colostrums of different cattle breeds and its passive transfer to neonatal calves. LM; Member.
47. Shahidullah, 2015. Effect of different levels of CaCl₂ on yield, chemical composition and physical properties of soft cheese prepared from buffaloes and cows milk. LM; Member.
48. Sahal Ahmad, 2015. Nutrient Digestibility, energy utilization and blood biochemical parameters of heat stressed broilers supplemented with either zinc or silymerin. PS; Member Supervisory Committee.

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).

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)

A. Impact Factor Journals, after 2010

1. Ullah I, A Iqbal, I Ali, I Munir, E Ali, SJ Shah, N Ullah, SAK Bangash, ZA Swati and MS Qureshi, 2011. [Role of dietary supplementation in the protein content of bovine milk](#). *African J Biotech*, 10 (18), 3624-3627.
2. Chand N, FR Durrani, MS Qureshi, D Muhammad, Z Rehman, 2011. [Protective effects of milk thistle \(*Silybum marianum*\) against aflatoxin B₁ in broiler chicks](#). *Asian Aust J Anim Sci*. 24: 7 : 1011 – 1018. doi: 10.5713/ajas.2011.10418.
3. Khan S, MS Qureshi, I. Ahmad, SM Shah, 2011. [Milk Composition and Yield Changes with the Advancing Pregnancy in Dairy Buffaloes \(*Bubalus bubalis*\)](#). *Turkish J Vet Anim Sci*, 2011; 35(6): 375-380. doi:10.3906/vet-0811-15.
4. Hussain T, M Arshad, I Jan S Khan, H Sattar, MS Qureshi, 2011. [In Vitro Screening Of Ten Pakistani Plants For Their Antibacterial Activity](#). *Pakistan Journal of Botany*, 43 (1): 531-538.

5. Lutfullah G, T Akhtar, I Ahmad, MMAK Khattak, FR Durrani and MS Qureshi, 2011. [Effects of Probiotic on the Intestinal Morphology with Special Reference to the Growth of Broilers](#). *J Chem Soc Pak*, 33 (1), 129-133.
6. Khan S, MS Qureshi, M Younas, Rafiullah and M Inam, 2012. [Modelling And Management Of Post-Conception Decline In Milk Yield Of Dairy Buffaloes](#). *J Anim Plant Sci*, 22 (2 Suppl.): 5-11.
7. Aftab M, A Rahman, MS Qureshi, S Akhter, U. Sadique, A Sajid1 and S. Zaman, 2012. [Level Of Salmonella In Beef Of Slaughtered Cattle At Peshawar](#). *J Anim Plant Sci*, 22 (2 Suppl.): 24-27.
8. Sajid A, Z I Chaudhary, U Sadique, A Maqbol, MA Anjum, MS Qureshi, ZU Hassan, M Idress, M Shahid, 2012. [Prevalence Of Goatpox Disease In Punjab Province Of Pakistan](#). *J Anim Plant Sci*, 22(2Suppl.): 28-3.
9. Qureshi MS, 2012. [Stress Impedes Reproductive Physiology Of Dairy Animals Under Subtropical Conditions](#). *J Anim Plant Sci*, 22 (2 Suppl.): 75-78.
10. Qureshi SS, M Jamal, MS Qureshi, M Rauf, BH Syed, M Zulfiqar and N Chand, 2012. [A Review Of Halal Food With Special Reference To Meat And Its Trade Potential](#). *J Anim Plant Sci*, 22 (2 Suppl.): 79-83.
11. Sadique U, ZI Chaudhry1, MY Rana and AA Anjum, MS, M Idrees ZU Hassan, M Mushtaq, A Sajid, 2012. [Clinico-pathological study of Contagious Caprine pleuropneumonia \(CCPP\) in Small Ruminants](#). *J Anim Plant Sci*, 22 (2 Suppl.): 2012, Page: 45-50.
12. Khan S, N Ishikawa, T Hattori, A Tajima, MS Qureshi, 2012. [Effect Of Pregnancy On Body Hair Growth In Dairy Cattle](#). *J Anim Plant Sci*, 22 (2 Suppl.): 2012, Page: 87-91.
13. Usman T, G Guo, SM Suhail, S Ahmed, L Qiaoxiang, MS Qureshi, Y Wang, 2012. [Performance Traits Study Of Holstein Friesian Cattle Under Subtropical Conditions](#). *J Anim Plant Sci*, 22 (2 Suppl.): 92-95.
14. Khan R, MS Qureshi, A Mushtaq, Ghufanullah, A Naveed, 2012. [Effect Of Quality And Frequency Of Drinking Water On Productivity And Fertility Of Dairy Buffaloes](#). *J Anim Plant Sci*, 22 (2 Suppl.): 96-101.
15. Qureshi MS, S Jan, A Mushtaq, I Rahman, M Jan, Ikramullah, 2012. [Effect of age on milk fatty acids in dairy buffaloes](#). *J Anim Plant Sci*, 22 (2 Suppl.): 108-112.
16. Rehman ZU, MU Samo, TA Qureshi, S Khan, MS Qureshi, FA Khan, S Bahadadr, 2012. [Studies On The Freezability Of Kundhi Buffalo Bull Semen](#). *J Anim Plant Sci*, 22 (2 Suppl.): 18-23.
17. Khan RU, S Naz, Z Nikousefat, V Tufarelli, M Javdani, MS Qureshi, V Laudadio, 2012. [Potential applications of ginger \(Zingiber officinale\) in poultry diets](#). *World's Poultry Sci J*, 68, 245-252. doi: 10.1017/S004393391200030X.
18. Tanweer AJ, N Chand, S Khan, MS Qureshi, A Akhtar, 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 Plant Sci*, 22 (2): 264-267.
19. Mushtaq A, MS Qureshi, S Khan, G Habib, ZA Swati, SU Rahman, 2012. [Body condition score as a marker of milk yield and composition in dairy animals](#). *J Anim Plant Sci*, 22 (Sup 3): 169-173.
20. Usman T, G Guo, SM Suhail, MS Qureshi, Y Wang, 2012. [Estimation of genetic parameters of reproductive and milk yield traits using multiple-trait animal model in Holstein under subtropical conditions](#). *J Anim Vet Adv*, 11 (17): 3132-3139.
21. Tomovska J, S Presilski, SPN Gjorgievski, N Tomovska, MS Qureshi and NP Bozinovska, 2013. [Development of a spectrophotometric method for monitoring angiotensin-converting enzyme in dairy products](#). *Pak Vet J*, 34 (1): 14-18.
22. Qureshi MS, D Khan, A Mushtaq, SS Afridi, 2013. [Effect of extenders, post-dilution intervals and seasons on semen quality in dairy goats](#). *Turkish J Vet Anim Sci*. 37: 147-152. DOI: 10.3906/vet-1110-24.
23. Khan MT, NA Khan, M Bezabih, MS Qureshi and A Rahman, 2013. [The nutritional value of peanut hay \(Arachis hypogaea L.\) as an alternate forage source for sheep](#). *Trop Anim Health Prod*. 45:849–853, DOI 10.1007/s11250-012-0297-8.

24. Tanweer AJ, N Chand, S Khan, A Sultan, MS 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.
25. Rahman FU, MS Qureshi and RU Khan, 2014. [Effect of Soybean Based Extenders on Sperm Parameters of Holstein-Friesian Bull During Liquid Storage at 4°C](#). *Pakistan J. Zool.*, 46 (1): 185-189.
26. Ali T, A Rahman, MS Qureshi, MT Hussain, MS Khan, S Uddin, M Iqbal and B Han, 2014. [Effect of management practices and animal age on incidence of mastitis in Nili Ravi buffaloes](#). *Trop Anim Health Prod*, 46(7):1279-85. Doi. 10.1007/s11250-014-0641-2.
27. Rahman HU, MS Qureshi, R Khan, 2014. [Influence of dietary zinc on semen traits and seminal plasma antioxidant enzymes and trace minerals of Beetal bucks](#). *Reproduction in Domestic Animals*, 49 (6), 1004–1007; doi: 10.1111/rda.12422.
28. Rahman A, MY Khan, O Sadiq, MS Qureshi, Nr Ahmed, N Shaheen, S Uddin, T Ali. [Washing Of Animal Body Coat Effects On Salmonella Load On Hide And In Postslaughter Carcasses](#). *Sylwan*, 159 (3): 400-415.
29. Qureshi MS, A Mushtaq, S Jan and IU Rahman, 2015. [Effect of Age and Lactation on Milk Fatty Acid Profile in Dairy Buffaloes](#). *Buffalo Bulletin*, 34 (3): 275-283.
30. Majid A, MS Qureshi and R Khan, 2015. ["In vivo adverse effects of high dose of alpha-tocopherol on the semen quality of male bucks"](#). *Journal of Animal Physiology and Animal Nutrition*, 99 (5): 841–846. DOI: 10.1111/jpn.12284.
31. Wahab A, H Khan, S Ahmad, MS Qureshi, Y Muhammad, S Khan, U Sadique and MK Shah, 2016. [Biochemical Profile of Local Rabbits \(*Oryctolagus cuniculus*\) During Successful Pregnancy Under Backyard Production System](#). *Pakistan J. Zool*, 48 (3):625-630.
32. Chand N, H Faheem, RU Khan, MS Qureshi, IA Alhidary and AM Abudabos, 2016. [Anticoccidial effect of mananoligosaccharide against experimentally induced coccidiosis in broiler](#). *Environmental Science and Pollution Research*, 1-8. DOI: 10.1007/s11356-016-6600-x.
33. Khan I, MS Qureshi, S Akhtar, I Ali and Ghufuranullah, 2016. [Fertility Improvement in Cross-Bred Dairy Cows Through Supplementation of Vitamin E as Antioxidant](#). *Pakistan J. Zool.*, vol. 48(4): 923-930.
34. Qureshi MU, MS Qureshi, R Khan, A Rahman, SM Sohailb, A Ijaz, I Ahmad, S Ahmad, M Shoaib and A Basit, 2016. [Relationship of blood metabolites with reproductive cyclicity in dairy cows](#). *Indian J Anim Res*. 50(3): 338-348.

Citations in impact factor journals

(ISI Web of Knowledge, AUTHOR IDENTIFIERS: C-7212-2008, dated April 27, 2016)

Results found	40
Sum of the Times Cited	118
Average Citations per Item	2.95

h-index: 6

