



Professor Muhammad Subhan Qureshi

DVM, MSc Hons, PhD (Theriogenology) (UA Faisalabad)

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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 and farm management practices. Then he shifted to Civil Veterinary Hospital Peshawar and worked on veterinary and reproductive clinics and disease investigation. Later he joined the University again and completed MSc Hons degree in Animal Reproduction and investigated corpus luteum function in dairy buffaloes. After completing master studies he joined the Enzyme Immunoassay laboratory of Veterinary Research Institute Peshawar and worked on endocrinology of dairy animals. He introduced herd health program for the peri-urban dairy farmers and investigated reproductive performance and health status of buffaloes and other food animals; preparation, implementation and monitoring of research and development programs; assistance to IUCN, WTO, [SMEDA](#), FAO, [Bank of Khyber](#), etc., in livestock development. Assistance was also provided to Inland universities in postgraduate research programs.

During 2005, Prof Qureshi joined the [KP Agricultural University](#), Peshawar as full professor and was raised to the status of Dean, Faculty of Animal Husbandry and Veterinary Sciences. Since then, has been involved in teaching Animal Reproduction and Livestock Management subjects to the graduate and postgraduate students. He has been supervising the technical, academic and financial matters of the Departments & preparing research and development proposals for improving teaching, research and industrial linkages. He has been member of administrative and academic bodies. He facilitated the establishment of the [Livestock Trainers and Consultants](#), an NGO of young animal scientists. The scientist has successfully completed three research and development projects funded by the provincial and federal government agencies. He also assisted in implementing a mega project on strengthening of teaching and research capabilities of the Faculty regarding Livestock Management Component and supervised a project on improving goats' semen under [Pakistan Science Foundation](#) research grants.

Initial focus of Prof Qureshi's research was on reproduction nutrition interaction in dairy buffaloes under peri-urban dairy farms in Peshawar. He observed that onset of breeding was associated with increasing intake of metabolizable energy and decreasing crude protein and minerals. The poor BCS decreased fertility. Excess intake of crude protein also accompanied higher serum urea levels. The post-conception decline in milk yield of dairy buffaloes was investigated through doctoral thesis research of [Sarzamin Khan](#) and progesterone levels beyond 6.4 ng/ml were associated with drastic decline while feed supplementation prevented this stress effect. A series of studies was completed on

availability of fatty acids in milk from various dairy species during different physiological states for PhD thesis of Anila Mushtaq. SM Sohail worked on genetic and phenotypic evaluation of performance traits in dairy buffaloes for his doctoral dissertation. Ishanullah will investigate metabolic and physiological adaptation of crossbred cattle under sub-tropical conditions and the role of nutrition and other stress factors in delayed ovulation. Oxidative stress affecting semen quality will be studied for thesis of Shoaib Sultan and stress markers of infertility for Ikramullah Khan. Livestock Management Department, headed by Prof Qureshi, got recognized by the [Natl Agric Edu Accred Council](#) of Pakistan.

Prof. Qureshi has been contributing as Dairy Expert in the [Pak-Australia Dairy project](#) jointly funded by the ASLP Pakistan and ACIAR Australia. He worked as Visiting Professor at [Charles Sturt University](#), Australia with Prof Peter Wynn for six weeks to work on collaboration in the area of stress physiology and animals' welfare. His engagement was continued as Adjunct Professor. Prof Qureshi is assisting the Prime Minister Secretariat as Member Industrial Advisory Group of the NAVTEC. He has organized the International Workshop on [Dairy Science Park](#) -2011 as Chief Organizer with the cooperation of various agencies. The conference was attended by 450+ delegates, 103 technical papers, 5 scientific and 2 development and business support sessions, exhibition by 10 business companies. The workshop has come up with recommendations for development of a sustainable outreach and business support package for the peri-urban dairy farming in the region to be implemented by the academic, development and business support organizations. The provincial government, [Relief International](#) and [KPCCI](#) are assisting in implementation of the recommendations. The abstracts and recommendations have been published in a [proceedings book](#) and full length papers are being processed in [J Anim Plant Sci](#) (Vol 21, Sup 1).

EXPERIENCE IN EDUCATIONAL ADMINISTRATION

- Chairman Livestock Management Department, 15-5-2007 to 14-5-2010; continued up to 20-12-2011
- Chairman Animal Health Department since 13-10-2010 to 31-1-2011
- Dean Faculty of Animal Husbandry and Veterinary Sciences, AU Peshawar, 16-4-2011 to date

EXPEIENCE RELATED TO STATUTARY BODIES OF UNIVERSITIES

- Member Academic Council since 18-1-2005
- Member Board of Advanced Studies and Research
- Member Board of Studies
 - Livestock Management since 18-1-2005
 - Animal Nutrition Department
 - Human Nutrition Department
 - Poultry Science Department
 - Gomal College of Veterinary Sciences
- Member Board of Faculty of AHVS since 18-1-2005
- Technical Member Selection Board
 - Agricultural University Peshawar
 - Gomal University DI Khan
 - AJK University, Muzaffar Abad

PROFESSIONAL RECOGNITION

A. Awards

- Got Star Award 2008 (for seniors)
- Star Laureate 2008
- Millennium Lifetime Award 2009 (S Asia Pub).

B. Membership Of International Bodies

1. Pak. Vet. Med. Council, Member executive committee/HEC representative
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. Member editorial board, Asian-Australasian Journal of Animal Science since 1999; J Agric Sci Tech 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 Science

C. Fellowship/Membership of Local Bodies

1. Pak. Soc. Animal Reprod. Lahore, Vice President, 2000 onwards
2. Nutritionist Assoc. Pak. Lahore, Member 2003 onwards
3. NWFP Univ.Agric., Unvi.Agric.Faisalabad, Sindh Agric.Univ, Gomal Univ., Univ.Vet Anim.Sci., Graduate/Postgrad. Examiner, 1994 onwards
4. Pak. Agric. Res. Council, Project Reviewer, 2003 onwards
5. Chairman, Character Building Society, AU Peshawar.
6. Member, Provincial Advisory Committee, Ministry of Science and Technology KP
7. GoKPK, Impact assessment study
8. Sarhad Dairy Farmers Association, member
9. Public Service Commission, technical member
10. Livestock trainers and consultants, member BoD
11. Member, Industrial Advisory Group, NAVTEC, Prime Minister Secretariat, Islamabad.
12. Associate Editor of Sarhad Journal of Agriculture and Journal Anim Health Prod
13. Resident editor of the Veterinary News and Views

SPECIAL ACHIEVEMENTS

1. Improved the research quality at the Department. Produced the first ever PhD graduate in the Department. Initiated research on physiological base of animals' productivity and stress physiology and tailored the postgraduate thesis research and research and development projects into these priorities; accepted as Visiting Professor Charles Strut University Australia for collaborative research in stress physiology.
2. Worked as member Editorial Board of the Asian Australasian Journal of Animal Science, since 1999 to date. The impact factor of the journal was increased from zero to 0.857.
3. Formulated M.Phil degree program in Dairy Science and Technology; Attracted postgraduate students to the Department, 13 out of 41 during August, 2008; Initiation and operation of Yahoo group "Livestock Industry", for postgraduate students, scientists, extensionists, farmers and industry people
4. Advised two successive Chief Ministers Khyber Pukhtunkhwa on Dairy Development Plan; Linked Agribusiness Support Fund and Livestock Trainers and Consultants for outreach activities of the Department; commended by the Prime Minister's Secretariat and formulated training programs for National Commission on Vocational and Technical Education (NAVTEC).
5. Functionalized Feed Mills with active cooperation of Dr Shoaib Sultan Afridi.
6. Chief Organizer of the International Workshop on Dairy Science Park, Nov 21-23, 2011.

CONFERNECE/WORKHOPS/MEETINGS ATTENDED

1. Hamidullah, S. Mirajuddin, M.S. Qureshi, S.I. Shah, P. Shah, and M. Iqbal, 1994. Abattoir study of ovarian diseases in Nili-Ravi buffalo of NWFP Pakistan. *IVth World Buffalo Cong.*, June 27-30 1994, Sao Paulo, Brazil. pp. 543-545.
2. Qureshi, M.S., 1996. Seasonality of reproduction in dairy buffaloes under field conditions. Regional symposium on livestock biotechnology, April 16-18. CAB-VRI Peshawar.

3. Qureshi, M.S., 1998. Fertility management of Nili-Ravi buffaloes. Success stories on transfer of farm technology in SAARC countries. SAARC Agric. Inf. Center, Dhaka. Pp 76-79.
4. FAO, 2001. Integrating Food Security Issues into Agricultural Research. FAO of UN Rome. (Contributed in preparation of the draft report).
5. Qureshi, M.S., R.H.Usmani, H.A.Samad, G.Habib M.M.Siddiqui and S.N.H.Shah. 2002. Effect of suckling and milk production on reproductive performance of dairy buffaloes. Xth Int. Cong. AAAP, New Delhi, Sept. 24-29.
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. Qureshi, M.S., M.S.Ali, A.Saeed, P.Shah, Q.Habibullah and S.Jan, 2004. Conception rate of dairy buffaloes under various timings of insemination and reproductive management conditions. Proc. 7th World Buffalo Congress. Philipines. October. Vol. II pp 596-601.
8. Ali, M.S., M.S.Qureshi, M.S.Ali and A.Saeed. 2004. Factors affecting conception rate of dairy buffaloes under field conditions. Proc. 7th World Buffalo Congress. Philipines. October, 2004. Vol II.
9. Qureshi, M.S, P.Shah, Q.Habibullah and S.U. Jan, 2004. Nutritional status of dairy buffaloes under field conditions and the resulting reproductive performance. Int Nutritional Conf, Nutr. Assoc Pak, Lahore. Dec1-2.
10. Qureshi, M.S., 2006. Genetic improvement of dairy goats – development of extender for liquid semen Proc. XIIth AAAP Animal Science Congress, September 18-22. AAAP South Korea, pp.365.
11. Qureshi, M.S., S. Khan and N. Ahmad, 2007. Pregnancy depresses milk yield in dairy buffaloes. Proc. 8th World Buffalo Congress, Caserta, Italy, October 19-22. pp. 1290-1293.
12. Qureshi, MS, 2007. Development of Extenders for liquid goats semen. 15th Int Cong Mediterranean Federation for Health and Production of Ruminants. 15-19, May. Pine Bay Resort Hotel, Kusadasi, Turkey.
13. 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.
14. 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.
15. 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.
16. 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).
17. 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.
18. S Khan and MS Qureshi, 2009. Pregnancy affects lactation in dairy buffaloes. 6th Asian Buffalo Cong. 17-30 Oct. Lahore.
19. 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.
20. 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.

21. 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.
22. 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.
23. Qureshi, MS, 2011. Flood 2010 - Losses and future scope of the KP Dairy sector. Int Workshop On Floods in Pakistan-2010 (Lessons Learned & Way Forward) 12 March. Pakistan Engineering Congress, PEC Building 97-A/D-1, Liberty Market, Gulberg-III, Lahore.
24. 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
25. [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 (COGITTM). Paris, France. P-55, 17-20 November.
26. [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).
27. [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.
28. 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.
29. 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.

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. Various activities have been proposed for productivity enhancement and industrial applications. Some projects have been identified for implementation at AU Peshawar and the Livestock Trainers and Consultants. Besides the support already provided to the Faculty of AHVS, this University is also willing to sponsor some additional activities under endowment fund and will provide a liaison office to KPCCI for supporting commercially viable projects. The provincial government and other local and international donors are expected to sponsor some viable projects.

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, attended by participants from scientific, business, government and civil society organizations, recommending establishment of dairy colonies and other ventures through public private partnership. Livestock Trainers and Consultants was established through funding from Agribusiness Support Fund and other agencies and farmers/technicians and extension workers' trainings were arranged. International Workshop on Dairy Science Park was held to link the farmers with development, academic and business organizations. Viable enterprises are being developed through integrated networks of stakeholders including KPCCI and SMEDA.

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.

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.

PhD ongoing

1. Ihsanullah (Synopsis approved). Effect of stress on reproductive physiology of crossbred cattle under sub-tropical conditions of northern Pakistan. AUP (Major Supervisor).
2. Ikramullah Khan (Coursework completed). Effect of heat stress on delayed ovulation in crossbred dairy cattle. (Major Supervisor).
3. Shakir Ullah (Coursework in progress). Association of oxidative stress with GnRH concentrations in crossbred dairy cows. (Major Supervisor).
4. Iftikhar Ahmad (Coursework in progress). Effect of stress on milk quality in dairy cattle and buffaloes. (Major Supervisor).
5. Younas Muhammad (Coursework in progress). Investigation into genetic base of fertility in crossbred dairy cattle. (Major Supervisor).
6. Sultan, Shoaib (Synopsis approved). Dietary supplementation of protected fats and Vitamin E to improve semen quality in Beetal bucks. (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.

MSc (Hons) Member supervisory committee (Completed)

1. Hamidullah, 1993. Incidence of reproductive disorders and pregnancy in buffaloes in slaughter at Peshawar Abattoir. AUP (NWFP-Agric. Univ).
2. Gulzar Ahmad, 1996, Effect of health status on reproductive performance in buffaloes. UAFaisalabad.
3. Ghulam Muhammad, 1997. Productive and reproductive performance of buffaloes 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 substitutin of 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.

MSc (Hons) (Ongoing) 10

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).

Ongoing

1. *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).

RESEARCH PUBLICATIONS

Scopus ID: 7202876145; Thompson ISI, My Researcher ID: C-7212-2008; h-index 3; citation: 45 (6 Oct, 2011)

A. Impact Factor Journals

1. Qureshi, M.S.; H.A. Samad, G. Habib., R.H. Usmani and M.M. Siddiqui, 1999. Study on factors leading to seasonality of reproduction in dairy buffaloes. I. Nutritional factors. *Asian-Aust. J. Anim. Sci*, 12 (7): 1019-1024. Cited 7
2. Qureshi, M.S.; G. Habib., H.A. Samad, L.A. Lodhi and R.H. Usmani, 1999. Study on factors leading to seasonality of reproduction in dairy buffaloes. II. Non-nutritional factors. *Asian Aust. J. Anim. Sci.* 12 (7): 1025-1030. Cited 4
3. Qureshi, M.S., G. Habib, H.A. Samad, M.M. Siddiqui, N.Ahmad and M. Syed, 2002. Reproduction-nutrition relationship in dairy buffaloes. I. Effect of intake of protein, energy and blood metabolites levels. *Asian-Aust. J Anim Sci*, 15(3): 330-339. Cited 14

4. Chand, N., F.R.Durrani, M.S.Qureshi, Z.Durrani, 2007. ROLE OF *Berberis lycium* In Reducing Serum Cholesterol In Broilers. *Asian Aust J. Anim. Sci.* 20 (4): 563-568. Cited 2
5. Qureshi, M.S., S. Khan and N. Ahmad, 2007. Pregnancy depresses milk yield in dairy buffaloes. *Ital. J. Anim. Sci.*, 6 (Suppl. 2): 1290-1293. Cited 2
6. Qureshi, M.S., N.Ahmad 2008. Interaction among calf suckling, use of oxytocin, milk production and reproduction in dairy buffaloes. *Animal Reproduction Science*, 106: 380-392. doi:10.1016/j.anireprosci.2007.05.019. Cited 3
7. Khan, S., M.S. Qureshi, N. Ahmad, M. Amjed, F.R.Durrani and M. Younas, 2008. Effect of Pregnancy on Lactation Milk Value in Dairy Buffaloes. *Asian Aust. J. Anim. Sci.* 21(4): 523-531. Cited 1
8. Khan, S., M.S. Qureshi, N. Ahmad, M. Amjed and M. Younas, 2009. Feed Supplementation Prevents Decline in Milk Progesterone Levels associated with Post-conception Production Stress in Dairy Buffaloes. *Tropical Animal Health and Production*, 41: 1133-1142.
9. S Khan and MS Qureshi, G. Habib, A Mushtaq, Ihsanullah, S Ahmad, SM Sohail and SS Afridee, 2009. Effect of pregnancy on lactation performance in dairy buffaloes. *Pak J Zool.*, Sup. No.9. 55-60.
10. 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.
11. Qureshi, M.S., 2009. Nutritional and Management Support to Reproduction in Dairy Buffaloes. *Pak J Zool*, Sup. 9: 895-909.
12. Khan, S., MS Qureshi, SM Shah, SM Sohail, Ihsanullah, A. Rahman, 2009. Effect of pregnancy on milk yield and composition in buffaloes. *Pak J Zool, Sup.9-II*: 669-673. Cited 1
13. 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. Cited 1
14. 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.
15. Chand, N., F. R. Durrani., MS Qureshi, Din Muhammad and 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.
16. Khan, S., MS Qureshi, I. Ahmad and S.M. 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.
17. 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.
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