

# Professor Dr Muhammad Subhan Qureshi

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**Affiliations:** **Chief Patron**, Dairy Science Park, Peshawar/  
**Adjunct Professor**, Charles Sturt University, Australia  
**Associate Member**, KPCCI, Peshawar  
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## CAREER HISTORY

**Charles Sturt University (CSU) Australia (Current):** CSU was joined as Adjunct Professor during 2010 which will continue up to 2022. I outlined some of the key factors that impact on the reproductive efficiency of the Pakistani dairy buffaloes herd. It was found that under-nutrition and nutritional imbalance through feeding high protein-low energy diets suppress ovarian cyclicity. Interestingly ovarian activity is often negatively associated with insulin like growth factor 1 (IGF1) levels since this is associated with higher milk yields. Clearly nutrient partitioning is playing a role here particularly when cows and buffalo are underfed. Interestingly, mid-chain length fatty acids (C12-C14) are more prevalent in milk from crossbred (Sahiwal-Friesian crosses) than in purebred Sahiwal milk in which shorter chain saturated fatty acids prevail. I attended joint ISNH / ISRP International Conference-2014 at Canberra and present paper on productivity and fertility of crossbred cattle in the subtropical environment of Peshawar Pakistan. Pak-Australia Dairy Project was assisted and supervised students research at Peshawar, regarding reproductive biotechnology and women in development. Australian Farming System was studied; visits were made to the farms and clinics and farmers meetings were attended at Charles Sturt University, WaggaWagga, in collaboration with Prof Peter Wynn. The main problem identified was the difficulty of farmers in getting technical and marketing services; summer stress faced by the animals; and scarcity of labors due to migration of the younger generations from rural to urban areas.

**Dairy Science Park (DSP) Peshawar, (Current):** DSP has been established as Chief Pattern during 2011 and is overseen as President, currently. DSP was introduced as a sacred mission for welfare of people of the war-hit Region through generation of self-employment, Halal foods and biotech export surpluses. The Park has been registered as a Scientific Society with the Government of Khyber Pakhtunkhwa (KP), Pakistan; KP Chamber of Commerce and Industries; and accepted by the United Nations as #SDGAction9671 (<http://dairysciencepark.org.pk/>). 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. DSP I focused on post-flood revival of dairy industry, DSP II on meat potential of the region; DSP III on entrepreneurship development for the outgoing graduates and; DSP IV was held at Selcuk University Konya, Turkey during 2017, with the theme “Achieving Food Security through Entrepreneurship Development and Biorisk Management (BRM)”.

Sandia National Laboratories USA have been supporting DSP under a Biorisk Management Collaboration. Eight consultative workshops have been held in Amsterdam, Dubai, Bangkok, Phuket, Colombo, Konya, Jordan and Dubai, participated by 105 members-times of DSP for

curriculum development, integration of biorisk management concept into the food value chain, training of senior faculty members and revision of Doctor of Veterinary Medicine Curriculum under Pakistan Veterinary Medical Council guidelines. BRM Center was included under the FAO KP Livestock Action Plan 2019 as National Consultant.

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; however such facilities are raided by the government agencies on the basis of higher prices. DSP facilitates inspection of such facilities provide SOPs 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. A road map has been prepared for developing a Hygienic/Halal meat export base. The plan is aimed at introducing good practices into livestock SMEs. The plan has been supported by the provincial Agriculture Minister, Special Assistants to Chief Minister KP on Law and Livestock.

**Food and Agricultural Organization (FAO) of the United Nations (completed):** FAO was assisted as National Consultant Livestock and Dairy Development, at Peshawar during June 20 to August 31. Of course, this was an exciting task for me, as I have interacted with various stakeholders across the livestock-based value chain during my 36-years regular career as a civil officer with the provincial government and as a professor/dean at the University of Agriculture Peshawar. I got a productive interaction with the private sector, policy makers and international players through academia-industries-government linkages. The dairy, mutton, poultry and fish farmers are usually landless people, living a life with little access to quality foods and education. Their income is usually very little in spite of having a huge resource-base and the food they are producing for the consumers in the form of milk, meat and eggs, is neither assured for quality parameters, nor monitored under some traceability system. They are subjected to penalty by the district administration when they sale meat and milk of pure quality at somewhat higher prices. Hence the livestock and poultry farmers are facing unbearable financial burden and most of these valuable assets are on way to total collapse. Ten public and private sector organizations are mandated for serving the Livestock Sector covering extension, research, fisheries, education, livestock markets, slaughter houses price regulation, food safety, trade and farmers welfare. However, lack of coordination and their apathy towards the farmers and processors, has left the burning issues unattended.

I tried my best to prepare KP Livestock Action Plan 2019 as a relief for the weaker stakeholders across the livestock value chain, in the public and private sectors, within a governance framework of Academia-Industry-Government-Society Nexus. An autonomous Livestock Technopark Peshawar (LTP) has been suggested to be established, initially as a Task Force through an executive order and later on through an Act of the Legislative Assembly/Ordinance of Governor; with full regulatory, administrative, financial and legislative powers to protect all the stakeholders of the livestock industry, and engage all relevant private and public sector organizations with shared authority and responsibility. At the end of the year 2021 LTP would be able to generate direct decent employment models to the tune of 18,000, each one earning about Rs. 50,000 per month and employing five more persons each. Hygienic, Halal and Organic food would be produced per annum valuing Rs. 5,098 billion. A fraction of 10% may be injected into Halal Meat and Biotech Export Market. Motivated young graduates in veterinary, engineering, medical, business and social sciences would be joining LTP for their career development and transformation of ideas into actions to serve the society. Quality conscious consumers would be having access to traceable food products in the towns. Public and private sector organizations would have access to sufficient operational funds for motivating their staff and serving people. And this is the Beacon of Hope committed by the author through title of the Action Plan.

**Government of Khyber Pakhtunkhwa (completed):** After getting DVM degree from UVAS Lahore, joined Livestock Department, Government of Khyber Pakhtunkhwa Pakistan during 1983 as Veterinary Officer (Health) and continued up to 2005. I 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.

**University of Agriculture Peshawar:** Joined the University of Agriculture Peshawar during 2005 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.

**Policy development/reforms plan:** The Ex-Chief Minister KP, Mr Akram Khan Durrani approved the concept of the DSP as a development plan 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 accepted the Park as a Center of Excellence. 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. His proposal for establishment of Task Force for DSP was approved by the Chief Minister. The Chief Secretary KP has declared DSP as an innovative idea. The idea of Mardan TechnoPark and Quetta TechnoPark was accepted in a meeting of relevant authorities under chairmanship of Mr Arif Yousaf, Special Assistant to Chief Minister KP and Governor Balochistan. DSP IV – 2017 Konya endorsed the concept and Konya Teknokent offered cooperation through an MoU.

## **PROFESSIONAL RECOGNITION**

### **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-Aust J AnimSci; Pak Vet J; J Agric Sci Tech A; Reviewer, J Dairy Sci USA; Canad J AnimSci; 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 AnimSci, Livestock Sci; Small Ruminants Research; J Food Chem Toxic; J Cell AnimBiol; J Anim Physiol Anim Nutr

## 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

## Visits abroad

1. Thailand, Bangkok, March 28 to May 6, 1994: Attended 10<sup>th</sup> International Training in Swamp Buffalo Reproduction at Chulalongkorn University. Sponsor: Royal Thai Government; Bangkok, 14-18 Nov, 2016, Led biorisk management workshop, sponsored by Sandia National Labs (SNL) USA; Phuket, 17-22 March, 2017; Led senior management workshop on biorisk management, sponsored by SNL.
2. Italy, October 15 to 28, 2007: Attended 8<sup>th</sup> World buffalo congress at Caserta. Sponsor: HEC
3. Egypt: i) 27 Feb - 4 March., 2010; Attended 6<sup>th</sup> IntConf Egyptian Soc ExpBiol, 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, WaggaWagga; 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; visited Konya along with 50+ delegates from Pakistan as Co Chair of Dairy Science Park 2017, Nov 1-5, 2017. Sponsor: SNL
7. The Netherlands: 15-18 March, 2015. Led Working Group on Biorisk Management of DSP to attend a meeting with US counterparts and Third Int One Health Congress sponsored by the United States

- Department of State's Biosecurity Engagement Program and Sandia National Labs.
8. Dubai; May 21-25, 2016. Led DSP delegation to attend consultative workshop on Pakistan Biorisk Curriculum Development with Sandia National Laboratories USA (sponsor); 29 April-1 May 2019, PAK - PVMC BRM Awareness Workshop for Pakistani Universities. Sponsor Sandia Labs USA.
  9. Colombo, Sri Lanka; Sep 5-7, 2017. Led DSP delegation to attend consultative workshop on Pakistan Biorisk Curriculum Development with Sandia National Laboratories USA (sponsor).
  10. Mashad, Iran; 7-8 Dec 2017. Attended Science Tech +; presented paper; participated in Entrepreneurship Show at Firdosi University.
  11. Amman and Irbid, Jordan; April 29-May 1, 2018. BRM Meeting on the use of research methods and role of biotechnology; Sponsor SNL USA.

## **CONFERENCE/WORKSHOPS/MEETINGS ATTENDED/PAPERS CONTRIBUTED**

### **International 2012 and onwards**

1. 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.
2. 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.
3. 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.
4. 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.
5. 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.
6. 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.
7. 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.
8. 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 AnimSci Cong*, 26-30 Nov, Thammasat University, Rangsit Campus, Thailand. 1042-1046.
9. Qureshi MS, K Khan, A Rahman, 2013. Detection of antibiotics residues in beef produced at Peshawar, Pakistan. [The 10<sup>th</sup> World Buffalo Congress](#), Thailand.
10. Qureshi MS, 2013. [Utilization of local livestock species for food production in the northern Pakistan](#). *5<sup>th</sup> International Congress of Integrative Zoology*. Beijing, China. 25-28 June.
11. 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.
12. Qureshi MS, et al, 2014. Int Livestock, Dairy Poultry Cong. PVMA, Aiwan-i-Iqbal, Lahore.
13. 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.
14. Khan I, et al, 2014. *Proc. Joint ISNH /ISRP IntConf/ 30<sup>th</sup> Biennial Conf Aust Soc Anim Prod*. Vol 30, pp.97. Canberra, Australia. 8-12 Sept.
15. Qureshi MS, 2015. Recent advances in Nutrition- Reproduction Interactions in Dairy Animals. [Int Symp Dairy Anim Reprod](#). March 30-31, UVAS Lahore.
16. Wahab A, H Khan, MS Qureshi, M Younas and S Khan, 2015. [Int Symp Dairy Anim Reprod](#). March 30-31, UVAS Lahore. Pp 100.

17. H Khan, A Wahab, MS Qureshi, S Ahmad, M Younas and S Khan, 2015. [IntSymp Dairy AnimReprod](#). March 30-31, UVASLahore. Pp 86.
18. Khan IM, et al, 2015. [IntSymp Dairy AnimReprod](#). March 30-31, UVASLahore.
19. Khan A, et al, 2015. [IntSymp Dairy AnimReprod](#). March 30-31, UVASLahore.
20. Khan I, Qureshi MS et al, 2015. [IntSymp Dairy AnimReprod](#). March 30-31, UVASLahore.
21. Khan I, Qureshi MS et al, 2015. [IntSymp Dairy AnimReprod](#). March 30-31, UVAS Lahore.
22. Ghaffar A, MS Qureshi et al., 2015. [IntSymp Dairy AnimReprod](#). March 30-31, UVAS Lahore.
23. Khan H, Qureshi MS et al, 2015. [IntSymp Dairy AnimReprod](#). March 30-31, UVASLahore.
24. Qureshi MS, 2015. [8th Asian Buffalo Congress](#). Istanbul, Turkey, 21-25 April.
25. Khan A, et al, 2015. [8th Asian Buffalo Cong](#). Istanbul, Turkey, 21-25 April.
26. Qureshi MS, 2015. [Int Livestock Dairy Poultry Cong](#). Feb 27-28. Lahore, Pakistan.
27. 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.
28. Inam M, et al, 2015. [7th IntSympIntegZool](#), 25-28 Aug 2015. ISZS, Xi'an, China.
29. Khan I and MS Qureshi, 2016. Crossbred cows respond differently from Holstein Frisian and *BosIndicus* to heat stress under various Accepted for oral presentation, ID FO0100; TASP 2016 conference in Bangkok, Thailand. July 26-29.
30. Shah K, US Khattak, MS Qureshi, 2016. Comparative efficacy of commercially available antimicrobials against local isolates of *Mycoplasma mycoides* sub specie Capri.
31. Shah MK, et al. 21<sup>st</sup>Int Org Mycoplasmaology Congress. Queensland University of Technology, Queensland, Australia. 3 – 7th July (The paper won an award of US\$ 1000).
32. 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.
33. 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 Sep.
34. Khan, NA Khan, N Ahmad, MS Qureshi, 2017. Screening of traditional and novel spring maize cultivars for silage production. Int Livestock Nutrition Summit, Feb 21-22, 2017. UVAS Lahore.
35. Nasrullah PR, MA Kakar, Azizullah, MS Qureshi and M Direk, 2017. CRIMEAN CONGO HEMORRHAGIC ..... 4<sup>th</sup>[IntConfIndustExhibDairy Sci Park, Konya, Turkey](#), Nov 1-5.
36. Qureshi SS, IH Qureshi, S Khan and MS Qureshi, 2017. DAIRY SCIENCE PARK– EMPLOYMENT ..... 4<sup>th</sup>[IntConfIndustExhibDairy Sci Park, Konya, Turkey](#), Nov 1-5.
37. Chand N, F Wahab, MS Qureshi and RU Khan, 2017. EFFECT OF FENUGREEK SEED SUPPLEMENTATION... 4<sup>th</sup>[IntConfIndustExhibDairy Sci Park, Konya, Turkey](#), Nov 1-5.
38. Qureshi SN, R Ali, SS Qureshi, M Ahmed, IU Qureshi, 2017. DETERMINANTS OF LABOR FORCE ... 4<sup>th</sup>[IntConfIndustExhibDairy Sci Park, Konya, Turkey](#), Nov 1-5.
39. Khan MH, SM Suhail, MS Qureshi, HU Din I Ahmed, I Ahmed and K Khan, 2017. EFFECT OF YEAST CULTURE ... 4<sup>th</sup>[IntConfIndustExhibDairy Sci Park, Konya, Turkey](#), Nov 1-5.
40. Khan K, SM Suhail, R Khan, S Khan, MS Qureshi, and I Ahmad, 2017. STUDY ON GROWTH ... 4<sup>th</sup>[IntConfIndustExhibDairy Sci Park, Konya, Turkey](#), Nov 1-5.
41. Ali N, ZU Din, M Sajid, S Khan, MS Qureshi, S Ullah, M Nabi, W Ali, 2017. CURRENT QUINOLONES SHOW... 4<sup>th</sup>[IntConfIndustExhibDairy Sci Park, Konya, Turkey](#), Nov 1-5.
42. Kakar MA, S Durrani, SA Baloch, Azizullah, MS Qureshi, PR Nasrullah and M Direk, 2017. BALOCHISTAN ... 4<sup>th</sup>[IntConfIndustExhibDairy Sci Park, Konya, Turkey](#), Nov 1-5.
43. Kakar MA, S Durrani, SA Baloch, Azizullah, MS Qureshi, PR Nasrullah and M Direk, 2017. ROLE OF BIOTECHN ... 4<sup>th</sup>[IntConfIndustExhibDairy Sci Park, Konya, Turkey](#), Nov 1-5.
44. Durrani S, SA Baloch, PR Nasrullah, MA Kakar, Azizullah, MS Qureshi, M Direk, 2017. ROLE OF WOMEN IN ... 4<sup>th</sup>[IntConfIndustExhibDairy Sci Park, Konya, Turkey](#), Nov 1-5.
45. Khan N, NA Khan, N Ahmad, MS Qureshi, MNM Ibrahim, 2017. EFFECT OF SPRING MAIZE GENOTYPES ... 4<sup>th</sup>[IntConfIndustExhibDairy Sci Park, Konya, Turkey](#), Nov 1-5.
46. Khan N, NA Khan, N Ahmad, MS Qureshi and MNM Ibrahim, 2017. SCREENING OF TRADITIONAL AND... 4<sup>th</sup>[IntConfIndustExhibDairy Sci Park, Konya, Turkey](#), Nov 1-5.

47. Sahibzada S, MS Qureshi, 2017. ANTIMICROBIAL RESISTANCE IN THE FOOD CHAIN IN DEVELOPING... 4<sup>th</sup>IntConfIndustExhibDairy Sci Park, Konya, Turkey, Nov 1-5.
48. Qureshi MS, M Direk, IUH Qureshi, SN Badshah, A Yousaf, DAIRY SCIENCE PARK, CONNECTING ... 4<sup>th</sup>IntConfIndustExhibDairy Sci Park, Konya, Turkey, Nov 1-5.

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

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

**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. ShakirUllah, 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. AgricUniv Peshawar.
3. Tanveer, AJ, 2011. Effect of administration of different levels of methanolic extract of Peganumharmala 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. Co Supervisor; Major supervisor Aamir Ben Zahur.
6. Saima Dil, 2018. PARC Institute of Advances Studies in Agriculture, UAP. Co Supervisor; Major supervisor Aamir Ben Zahur.
7. MuhamamdInam. Stress productivity interaction in broilers. Research in progress. Member
8. Kamran Khan. Meat production potential of rabbits. Research in progress. Member
9. Khan, Nadar. Optimizing the nutritional value of maize silage in relation to milk production and quality of dairy cows. major NA Khan AN; member
10. Khan, M Tahir. Evaluation of fungal treated roughages for beef production in the subtropical conditions of KP. PhD Synopsis, Major Supervisor Prof Nazir Ahmad
11. Asadullah. Studies on epidemiology, and molecular characterization of mycobacterium in large ruminants in central zone of KP. Pathology, Major Umer Sadique; member
12. Khalil, Zia ur Rahman. Postpartum reproductive cyclicity and serum biochemical profiles of Achai cattle under farming practices in the Northern Pakistan. Major Supervisor DrAbdur Rahman.
13. Lal, Chaman (Late). PIASA, NARC, Islambabad, Major SMH Andrabi.

**MSc (Hons) Major supervisor (Completed): 23**

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

**MSc Hons ongoing, Member Supervisory Committee: 21**

## **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).
6. *Co-Principal Investigator*, Reproductive characteristics of beetal male goats as influenced by the dietary supplementation of alphatocopherol. HEC Research Grant to DrRifatullah Khan, Assistant Professor. Rs.0.50, 2013-14.

## **RESEARCH PUBLICATIONS**

Scopus ID: 7202876145; Thompson ISI, My Researcher ID: [C-7212-2008](#); ORCID ID: 0000-0002-1355-5924; h-index 9; citations: 247 (Oct 9, 2018); Access <http://dairysciencepark.org.pk/cv-drmsqureshi/>

### **Impact Factor Journals, 2013 and onward**

1. 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.
2. 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.
3. 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.
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