



DR. M. SALEEM AKHTAR

PERSONAL INFORMATION

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Date of birth: 14/02/1976 Age 42 Years Nationality: Pakistani Marital Status: Married
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QUALIFICATION

Certificate/ Degree	Board/University	Marks Obtained	Percentage	CGPA/Div	Subjects
SSC	Bahawalpur	693/ 850	81.52	1 st Div	Science
F.Sc.	Bahawalpur	743/1100	67.54	1 st . Div	Pre-Med.
DVM	University of Vet. & Anim. Sciences, Lahore	2333/3860	60.44	1 st . Div	Veterinary Sciences
M.Sc. (Hons.)	University of Vet. & Anim. Sciences, Lahore	744/920	80.86	1 st Div 3.82/4.00	Therigenology
Ph.D	University of Agric. Faisalabad	-----	Passed	-----	Animal Reproduction

WORKING EXPERIENCE

01 September 2010 to date	Assist. Prof. of Veterinary Science (Tenure Track System), Faculty of Veterinary Sciences, B.Z Univ. Multan, Pakistan
15 January 2010 to 31 Aug 2010	Lecturer, University College of Veterinary and Animal Sciences, The Islamia University of Bahawalpur, Pakistan
Nov 2005 to 14 Jan 2010	Veterinary Officer, Buffalo Research Institute, Pattoki, District Kasur, Pakistan
01 Sep 2003 to Nov 2005	Lecturer in Gomal College of Veterinary Sciences, Gomal University, Dera Ismail Khan, Pakistan

▶ TRAININGS

1. Embryo Transfer Training at Military Farm, Okara (2009)

▶ AWARDS

1. Award of Indigenous Scholarship from HEC Islamabad for PhD studies from 2003-2007
2. Higher Education Commission (HEC) approved PhD supervisor

▶ RESEARCH INTEREST

1. Reproductive Problems of farm animals
2. Assisted Reproductive Technologies (ART)

▶ PUBLICATIONS

1. **Akhtar MS**, Irum S, Lashari MH, Ahmad E, Ahmad T, Ayaz MM, Lodhi LA, Ahmad I, Akhtar M, 2018. Bio-stimulatory effect of bull on post-partum estrus interval in Nili-Ravi buffaloes. **Kafkas Univ Vet Fak Derg**, 24 (4): 603-606
2. Shujait Ali, Muhammad Zubair, Saqib Umar, **Muhammad Saleem Akhtar**, Zahid Iqbal, Sajid Mahmood Sajid, Muhammad Kaleem, Ubaid-Ur-Rehman. 2018. Effects of Clomiphene Citrate (CC) and Human Chorionic Gonadotropin (hCG) on hormonal profile, serum biochemical constituents, and oxidative stress in pre-pubertal Sahiwal heifers. **Indian Journal Animal Research**, DOI:10.18805/ijar.v0iOF.8499
3. Muhammad Mudasser Nazir, Muhammad Mazhar Ayaz, Atif Nisar Ahmad, Imran Rasheed, Asim Fraz, Qaisar Akram, **Saleem Akhtar**, Azhar Maqbool, Shahida Tabassum, Yadong Zheng, David S. Lindsay, 2018. Prevalence and Risk Factors for IgG antibodies to Neospora Spp. In Three Types of Equids from Southern Punjab, Pakistan. **Acta Tropica**, 188: 240-243.
4. Sayyed Aun Muhammad, Abdul Shakoora, Muhammad Younus, Akhtar Rasool Asif, Tariq Abbas, Muhammad Arshad, Aamanullah Khan and **M. Saleem Akhter**. 2017. First Finding of Patent Urachus with Omphalebitis and Omphaloarteritis in Pakistani Neeli-Ravi Buffalo Calf and its Successful Surgical Rectification: Case Report. **Buffalo Bulletin**, 36 (3): 563-565
5. **Muhammad Saleem Akhtar**, Junaid Majeed, Mushtaq Hussain Lashari, Laeeq Akbar Lodhi, Ijaz Ahmad, Saima Inayat, Sayyed Aun Muhammad, Irtaza Hussain, Tanveer Ahmad and Masood Akhtar. 2016. Effect of bovine somatotropin administration and wallowing on milk production, milk protein and fat contents in Nili-Ravi Buffaloes. **Buffalo Bulletin**, 35 (2): 209-213.
6. Muhammad Asif Raza, Muhammad Mazhar Ayaz, Muhammad Mudasser Nazir, **Muhammad Saleem Akhtar**, Mubashir Aziz, Saeed Murtaza and M. Ali Khosa, 2016. Cross-sectional survey of Helminthiasis in buffaloes at Tehsil Jatoli and Tehsil Muzaffar Garh, Southern Punjab, Pakistan. **Buffalo Bulletin**, 35 (1): 39-48.
7. Nuzhat Sial, Mushtaq Hussain Lashari, Iram Naheed, Farah Ali & **Muhammad Saleem Akhtar**, 2016. Effect of pesticides on TSH and Testosterone level of farmers of Bahawalpur, Pakistan. **Biologia**, 62 (2).

8. **Muhammad Saleem AKHTAR**, Syed Israr HUSSAIN, Muhammad Mazhar AYAZ, Laeeq Akbar LODHI, Muhammad AMEEN, Saleem ULLAH, Mushtaq Hussain LASHARI, Abdul Asim FAROOQ, Masood AKHTAR, 2015. Effect of bull exposure on the post-partum reproductive efficiency in Choolistani cows. **Kafkas Univ. Vet. Fak. Derg.**, 21 (1): 37-40.
9. **Muhammad Saleem Akhtar**, Mushtaq Hussain Lashari, Saima Inayat, Irtaza Hussain, Laeeq Akbar Lodhi, Ijaz Ahmad, Sayyed Aun Muhammad, Masood Akhtar, 2015. Serum electrolyte and mineral variations during pregnancy, lactation and dry period in Buchi sheep. **Wayamba Journal of Animal Science**, Number 1419008830, 1260 - P1265.
10. Abdul Asim Farooq , Mushtaq Hussain Lashari, **Muhammad Saleem Akhtar**, Mian Muhammad Awais, Saima Inayat and Masood Akhtar, 2015. Prevalence of Bovine Fascioliasis in Different Commercial and Noncommercial Dairy Farms of District Rajanpur, Punjab, Pakistan. **Pakistan Journal of Life and Social Sciences**, 13(1): 8-11.
11. Sayyed Aun Muhammad, Abdul Shakoor, Muhammad Younus, Mian Muhammad Awais, Muhammad Kashif, M. Kashif Maan, Muhammad Raza Hameed and **M. Saleem Akhtar**, 2015. Surgical Rectification of Congenital Type II *Atresia ani* Leading to RectoVaginal Fistula in Cattle Calves. **Pakistan Journal of Life and Social Sciences**, 13(1): 62-63.
12. **Muhammad Saleem Akhtar**, Laeeq Akbar Lodhi, Muhammad Mazhar Ayaz, Mushtaq Hussain Lashari, Ijaz Ahmad, Mubasher Aziz, Saima Inayat, Sayyed Aun Muhammad, 2014. Dose dependent effect of prostaglandin analogue in double injection regimen for estrus synchronization in goats. **Wayamba Journal of Animal Science**, P1065-P1069, Number 1419008830
13. F. Anwar, **M. S. Akhtar**, C. Lal, L. A. Lodhi, M. M. Ayaz, I. Ahmad, A. A. Farooq and M. Akhtar, 2014. Effect of pre-partum administration of selenium and vitamin E on subsequent postpartum performance in first calf Nili-Ravi buffalo heifers. **Journal Animal Plant Science**, 24 (Suppl. 1): 5-8.
14. **Muhammad Saleem Akhtar**, Abdul Asim Farooq, Laeeq Akbar Lodhi, Sayyed Aun Muhammad, M. MazharAyaz, Mushtaq Hussain Lashari, Saeed Murtaza, Irtaza Hussain, Muhammad Irshad, Maqbool Hussain and Muhammad Asif Raza. 2014. Studies on serum macro and micro minerals status in repeat breeder and normal cyclic Nili-Ravi buffaloes and their treatment strategies. **African Journal of Biotechnology**, 13 (10): 1143-1146.
15. **Muhammad Saleem AKHTAR**, Laeeq Akbar LODHI, Abdul Asim FAROOQ, Muhammd Mazhar AYAZ, Saeed MURTAZA, Muhammad ARSHAD, Irtaza HUSSAIN, Ijaz AHMAD and Mushtaq HUSSAIN. 2014. Effect of Different Doses of hCG at AI on Pregnancy Rates of Repeat Breeder Nili-Ravi Buffalo. **Buffalo Bulletin**, 32: 362-365.
16. **Muhammad Saleem AKHTAR**, Saleem ULLAH, Abdul Asim FAROOQ, Muhammd Mazhar AYAZ, Saeed MURTAZA, Muhammad ARSHAD, Irtaza HUSSAIN and Mushtaq HUSSAIN. 2014. Pregnancy Rate in Lactating Buffaloes Treated with or without Estradiol after Estrus Synchronization Protocols at Timed AI. **Buffalo Bulletin**, 32 (2): 366-369.
17. **Muhammad Saleem AKHTAR**, Allah BACHAYA, Laeeq Akbar LODHI, Abdul Asim FAROOQ, Muhammd Mazhar AYAZ, Saeed MURTAZA, Muhammad ARSHAD, Irtaza HUSSAIN, Abdul BASIT, Ijaz AHMAD, Mushtaq HUSSAIN and Zahida TASAWAR

2014. Minerals Status of Soil, Fodder and in Lactating Nili-Ravi Buffaloes in Irrigated Agro-ecological Zone of Punjab, Pakistan. **Buffalo Bulletin**, 32 (2): 824-828.
18. Muhammad Mazhar Ayaz, Majid Hussain Somroo, Muhammad Mudasser Nazir, **Muhammad Saleem Akhtar**, Mushtaq Hussain Lashari, Muhammad Ali Khosa, 2014. Prevalence and effect of treatment on fasciolosis in sheep under field conditions. **Pensee Journal**, 76 (3): 431-437.
 19. Mushtaq Hussain Lashari, Asma Batool, Zahida Tasawar, Nuzhat Sial, **Muhammad Saleem Akhtar**, Mazhar Ayaz, Abdul Asim Farooq, Sobia Sadia, Muhammad Shafiq Chaudhary, 2014. The Effect of Age, Income, Sex, Residential status and Ethnicity on the Prevalence of Kidney Stones in the Patients Visiting Nishtar Hospital Multan. **SYLWAN**, 158 (5): 456-473.
 20. Muhammad Mazhar Ayaz, Muhammad Asif Raza, Saeed Murtaza and **Saleem Akhtar**, 2013. Epidemiological survey of helminths of goats in southern Punjab, Pakistan. **Tropical Biomedicine**, 30(1): 62–71.
 21. Muhammad Asif Raza, Saeed Murtaza, Muhammad Mazhar Ayaz, **Saleem Akhtar**, Hafiz Muhammad Arshad, Abdul Basit, Hafiz Allah Bachaya, Muhammad Ali and Muhammad Imran Khan, 2013. Toxocara vitulorum infestation and associated risk factors in cattle and buffalo at Multan district, Pakistan. **Sci. Int.**(Lahore)., 25(2):291-294.
 22. **M.S. Akhtar**, A.A. Farooq and M.Mushtaq, 2012. Biochemical and hormonal profile in anoestrus Nili Ravi buffaloes. **Journal Animal Plant Science**, 24 (4 Suppl): 601-603.
 23. **M.S. Akhtar**, A.A. Farooq and M.Mushtaq, 2012. Prevalence of puerperal period reproductive disorders in Nili-Ravi buffaloes of different parity. **Journal Animal Plant Science**, 24 (4 Suppl): 699-700.
 24. **Muhammad Saleem Akhtar**, Laeeq Akbar Lodhi, Abdul Asim Farooq, M. Mazhar Ayaz, Maqbool Hussain, Mushtaq Hussain Lashari and Zafar Iqbal Chaudhary, 2012. Effect of oxytocin administration before milking on milk production, somatic cells count and fat contents in milk of Nili-Ravi buffaloes. **Pakistan Veterinary Journal**, 32 (3): 435-437.
 25. **M. S. Akhtar**, L. A. Lodhi, I. Ahmad, Z. I. Qureshi and G. Muhammad, 2012. Serum Ovarian Steroid Hormones and Some Minerals Concentration in Pregnant Nili-Ravi Buffaloes with or without Pre-Partum Vaginal Prolapse. **Pakistan Veterinary Journal**, 32 (2): 265-268.
 26. **Muhammad Saleem Akhtar**, Abdul Asim Farooq, M. Mazhar Ayaz, Maqbool Hussain, Mushtaq Hussain Lashari, Sayyed Aun Muhammad, 2012. Age related changes in biometry of genital organs of Teddy Goat. **International Journal of Energy, Science and Metallurgy**, 2 (1): 382-384.
 27. Muhammad Jamshed Khan, Asad Abbas, Mazhar Ayaz, Muhammad Naeem, Saleem Qadir, **Muhammad Saleem Akhtar** and Waseem Zia, 2012. Effect of preheating and turning during storage period on hatchability and post hatch performance of broilers. **ISCA Journal of Biological Sciences**, 1 (2): 1-6.
 28. Muhammad Jamshed Khan, Asad Abbas, Mazhar Ayaz, Muhammad Naeem, **Muhammad Saleem Akhtar** and Majid Hussain Somroo, 2012. Factor affecting wool quality and quantity in sheep. **African Journal of Biotechnology**, 11 (73): 13761-13766.
 29. **M. S. Akhtar**, L. A. Lodhi, I. Ahmad, Z. I. Qureshi and G. Muhammad, 2011. Serum trace minerals variations in Nili-Ravi buffaloes suffering with pre partum vaginal

- prolapse in two different agro-ecological zones of Punjab, Pakistan. **Theriogenology**, 77: 1328-1333.
30. **Muhammad Saleem Akhtar**, Abdul Asim Farooq, M. Mazhar Ayaz, M. Maqbool Hussain, Mushtaq Hussain Lashari, Zafar Iqbal Chaudhary, 2011. Trace Mineral Status of Nili-Ravi Buffaloes in Tehsil Pattoki of District Kasur, Pakistan. **International Journal of Energy, Science and Metallurgy**, 1 (2): 290-292.
 31. **M. S. Akhtar**, A. A. Farooq, S. A. Muhammad, L. A. Lodhi, C. S. Hayat and M. Aziz' 2010. Serum Electrolyte and Mineral Variations During Pregnancy and Lactation in Nili-Ravi Buffalo. **Biological Trace Element Research**, 137 (3): 340-343.
 32. **M. S. Akhtar**, L. A. Lodhi, I. Ahmad, Z. I. Qureshi, G. Muhammad, 2010. Incidence of Pre-Partum Vaginal Prolapse in Nili-Ravi Buffalo Under Two Different Agro-Ecological Zones of Punjab, Pakistan. **Acta Revista**, 20 (1):792-795.
 33. **M. S. Akhtar**, A. A. Farooq, S. A. Muhammad, L. A. Lodhi, C. S. Hayat and M. Aziz' 2010. Comparative efficacy of GnRH, *lens esculents moench* and *randia dumetorum* for the treatment of Anoestrus in Nili-Ravi Buffalo. **Acta Revista**, 20 (1): 839-842.
 34. **M. S. Akhtar**, A. A. Farooq and S. Inayat, 2009. Treatment of first degree endometritis by cloprostenol and estradiol in Cholistani cows. **Journal Animal Plant Science**, 19 (1): 20-21.
 35. **M. S. Akhtar**, L. A. Lodhi, I. Ahmad, Z. I. Qureshi and G. Muhammad, 2009. Survey on Pre-Partum Vaginal Prolapse in Nili-Ravi Buffalo Under Two Different Agro-Ecological Zones of Punjab, Pakistan. **Pakistan J. Zool. Suppl. Ser.**, No.9, pp. 793-796, 2009.
 36. **M.S. Akhtar**, A. A. Farooq and M. Mushtaq, 2009. Serum trace minerals variation during pre and post partum period in Nili-Ravi buffaloes. **Journal Animal Plant Science**, 19 (4): 182-184.
 37. **M.S. Akhtar**, A. A. Farooq and M. Mushtaq, 2009. Serum concentrations of copper, iron, zinc and selenium in cyclic and anoestrus Nili-Ravi buffaloes kept under farm conditions. **Pakistan Veterinary Journal**, 29 (1): 47-48.
 38. **M.S. Akhtar**, A. A. Farooq, M. Hussain and M. Mushtaq, 2008. Effect of estrus on somatic cell count, prottein and fat contents in milk of Nili-Ravi buffaloes. **Pakistan Journal of Agric. Sciences**, 45 (2): 339-341.
 39. **M. S. Akhtar**, L. A. Lodhi, I. Ahmad, Z. I. Qureshi and G. Muhammad, 2008. Serum concentrations of calcium, phosphorus and magnesium in pregnant Nili-Ravi buffaloes with or without vaginal prolapse in irrigated and rain fed areas of Punjab, Pakistan. **Pakistan Vet. J.** 28 (3): 107-110.
 40. A. A. Farooq, S. Inayat, **M.S. Akhtar** and M. Mushtaq, 2008. Prevalence of mastitis and antibiotic sensivity of bacterial isolates recovered from Nili-Ravi buffaloes. **Journal Animal Plant Science**, 18 (2): 76-77.
 41. M. A. Tipu, **M. S. Akhtar**, M. I. Anjum and M. L. Raja, 2006. New dimensiun of medicinal plants as animal feed. **Pakistan Vet. J.**, 26 (3): 144-148.
 42. S. A. Muhammad, A. A. Farooq, **M. S. Akhtar** and C. S. Hayat, 2005. Parturient udder odema in a dromedary camel. **Pakistan Vet. J.**, 25 (2): 100.
 43. S. A. Muhammad, A. A. Farooq, **M. S. Akhtar**, G. Muhammad and A. Shakoore, 2005. Surgical rectification of thread associated glossoptosis in brown potriges. **Pakistan Vet. J.**, 25 (1): 43-44.
 44. S. A. Muhammad, A. A. Farooq, **M. S. Akhtar** and C. S. Hayat, 2004. Dipetalonemiasis in a dromedary camel and its treatment. **Pakistan Vet. J.**, 24 (4): 205-206.

RESEARCH PROJECT COMPLETED

1. Effect of two double artificial insemination protocol and human chorionic gonadotropin hormone treatment in repeat breeder cattle under field conditions. Funded by Bahauddin Zakariya University worth =0.083/- Million Pak Rupees.
2. Combined effect of human chorionic gonadotropin and flunixin meglumine in a double dose artificial insemination regime on repeat breeder cattle. Funded by Bahauddin Zakariya University worth =0.0996/- Million Pak Rupees.
3. Effect of Gonadotropin Releasing Hormone, Human Chorionic Gonadotropin and Flunixin Meglumine on Pregnancy Rates in Sahiwal Cows. Funded by Bahauddin Zakariya University worth =0.149/- Million Pak Rupees.
4. Effect of Extracellular Adenosine 5-triphosphate on Goat (*As Co-Principal Investigator*). Funded by Higher Education Commission of Pakistan worth =0.375/- Million Pak Rupees.
5. Pregnancy Rates in Postpartum buffaloes Treated with Gonadotropin Releasing Hormone, Human Chorionic Gonadotropin and Flunixin Meglumine in a Timed Artificial Insemination Protocol. Funded by Bahauddin Zakariya University worth =0.175/- Million Pak Rupees.
6. Postpartum estrus interval in Nili-ravi buffaloes exposed continuously or intermittently to bull or excretory products of bull. Funded by Higher Education Commission of Pakistan worth =3.058/- Million Pak Rupees.

ONGOING PROJECTS

1. Effect of Monopropylene Glycol Supplementation During Early Postpartum Period on Serum Metabolites and Reproductive Performance in Nili-Ravi Buffaloes. Funded by Higher Education Commission of Pakistan worth =2.41/- Million Pak Rupees.

SUBMITTED PROJECTS

1. Effect of dietary antioxidants on semen quality of broiler breeder exposed to heat stress. Submitted to Punjab Higher Education Commission, Lahore, Pakistan, worth =4.183/- Million Pak Rupees.

REFERENCES

1. **Professor Dr. Laeeq Akbar Lodhi**
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