

Curriculum Vita/ Biodata

Dr. Hamayun Khan

PhD (Reproductive Biology-Japan)

Associate Professor

Department of Animal Health,

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Education:

SSC	HSSC	DVM	M.Sc (Hons) *	PhD
BISE Peshawar	FBISE Islamabad	Sindh Agriculture University TandoJam	Sindh Agriculture University TandoJam	Yamaguchi University Japan
Science	Science	Animal Husbandry and Veterinary Sciences	Veterinary Anatomy and Histology	Vet. Anatomy, Histology, Histochemistry, IHC, molecular biology, biology of reproduction and developmental biology, placental biology etc.

Distinction: Silver medal*

Employment Record:

Current Position*: Associate Professor –Animal Health /Additional Director Advanced Studies and Research, The UAP/

Scale of Pay	Designation	Dates		Name and address of Employer
		From	To	
BPS-20	Associate Professor	19/09/2017	Till date	Department of Animal Health, The University of Agriculture Peshawar
BPS- 19	Assistant Professor	29/12/2009	12/01/2016	Department of Animal Health , The University of Agriculture Peshawar
BPS- 18	Lecturer	11/11/2005	28/12/2009	-do-
BPS-17	Veterinary officer (Research)	25/06/2004	10/11/2005	Directorate of livestock Research and Development, Peshawar
BPS-17	Contract or visiting Lecturer	15/1/2003	24/06/2004	Department of livestock Management , the University of Agriculture Peshawar
	Teaching	01/08/2001	30/09/2002	Department of Anatomy and Histology, Sindh agriculture university TandoJam
BPS-16	Science Teacher	01/01/1994	31/12/1995	Iqra School and College Bara

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Selected Research Publications:

1. Z. Ullah, **H. Khan**, S.M. Hussain, et al. 2019. Enhancement of Extender Excellence of Frozen Bull Semen Using α -Tocopherol as an Antioxidant. *Acta Scientiae Veterinariae*. 47: 1641.
2. Z. Ullah, **H. Khan**, A. Gohar, H. Amanullah, et al., 2019 : L-Cysteine addition in tris-citric acid extender enhances functional characteristics of post-thaw spermatozoa in Achai and Holstein Friesian bulls under subtropical environment Pakistan J. Zoo., 51(6):2193-2198
3. Iqbal N, Khan MT, Amanullah H, Din I, **Khan H**, Shah M, Mushtaq M 2019. Effect of feeding different levels of discarded date palm (*Phoenix dactylifera*) on digestibility, milk yield, and composition in Damani sheep. *Trop Anim Health Prod*. doi: 10.1007/s11250-019-01919-w. [Epub ahead of print]
4. **H.Khan**, Abdul.W, N.Kazi, et al. 2018. Biochemical Attributes of Amniotic Fluid during Fetal Growth Stage of Successful Pregnancy in Rabbits Pakistan J. Zool., Vol. 50, Iss. 4, pp 1307-1312
5. **Khan H**, Kusakabe KT, Wakitani S, Hiyama M, Takeshita A, Kiso Y 2012. Expression and Localization of NO Synthase Isoenzymes (iNOS and eNOS) in Development of the Rabbit Placenta., *Journal of Reproduction and Development* Vol. 58(2), 231-23 **Citation:16**
6. Shahzad Q, Mehmood MU, **Khan H**, ul Husna A, Qadeer S, Azam A, Naseer Z, Ahmad E, Safdar M, Ahmad M 2016. Royal jelly supplementation in semen extender enhances post-thaw quality and fertility of Nili-Ravi buffalo bull sperm *Animal Reproduction Science*.167:83-88 **Citation:14**
7. **H. Khan**, M.M. Rind, A. Gohar, et al. 2015. A Study on Vas Deference and Seminal Vesicle of Male Goats (*Capra hircus*). *Acta Scientiae Veterinariae*. 43: 1294. **Citation :2**
8. S.S.A.Shah, Muhammad I.K., **Hamayun Khan**, Umer Saddique 2018. TBD's Exploiting The Black Gold (Buffalo) of Pakistan *Buffalo Bulletin* Vol.37 No.4;569-576
9. **Khan H**, Khan M., Qureshi M.S., Ahmad S., Gohar A., Ullah H., Ullah F., Hussain A., Khatri P., Shah S.S.A., Rehman H., Khan A., 2017. Effect of green tea extract (*Camellia sinensis*) on fertility indicators of post-thawed bull spermatozoa. *Pakistan Journal of Zoology*, 49(4):1243-1249 **Citation : 4**
10. Sugiyama M, Terakawa J, **Khan H**, Wakitani S, Choi EK, Kiso Y, Hondo E. Spacing of the embryo in the uterus is disrupted by the supine position of the body during the peri-implantation period in mice. *J Reprod Dev*. 2010 Apr;56(2):191-194 **Citation : 3**
11. **Khan H**, Kusakabe KT, Wakitani S, Hiyama M, Kiso Y 2011. Quantitative Expression and immunohistochemical Detection of Glucose Transporters, GLUT1 and GLUT3 in the Rabbit Placenta during Successful Pregnancy. *Journal of Veterinary Medical Science* 73(9),1177-1183 **Citation:13**
12. Hiyama M, Choi EK, Wakitani S, Tachibana T, **Khan H**, Kusakabe KT, Kiso Y 2011. Bisphenol-A (BPA) Affects Reproductive Formation across Generations in Mice. *Journal of Veterinary Medical Science* 73(9),1211-1215 **Citation :31**
13. Hiyama M, Kusakabe KT, Kuwahara A, Wakitani S, **Khan H**, and Kiso Y 2011. Differentiation of uterine natural killer cells in the pregnant, SCID (scid/scid) mice. *Journal of Veterinary Medical Science* (10),1337-134 **Citation :3**
14. Kazuhiko Hayashi, Ken Takeshi Kusakabe, **Hamayun Khan**, Nobue Kuniyoshi, Ai Takeshita, Mashato Hiyama, Kiyoshi Kano, Yasuo Kiso 2014. Characteristic patterns of

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maternal and fetal arterial construction in the rabbit placenta. Medical Molecular Morphology 47, pp.76-82 **Citation:1**

15. Shahzad Q, Imran M, Khan H, Wadood AA, Khan MA, Binyameen M, Niazi AA. Serum concentration of calcium, inorganic phosphorous and magnesium in cyclic, non cyclic and repeat breeder buffaloes. *Buffalo Bull* 2016; 35: 73-76. **Citation: 2**
16. Zabih Ullah Aamir, Hamayun Khan, Said Wahab, Muhammad Tarique Tunio, Haq Amanullah, Omme Aimen, Shah Murad Khan and Kamal Shah. 2019 Chromatographic appraisal of fatty acid profile in camel's milk at different Temperatures Pure and Applied Biology Vol. 8, Issue 2, pp1069 -1076
17. Khan, H; Mohammad Misri Rind; Shakoor, Ahmad; Mehmood, Muhammad Usman; Sultan, Asad; et al. 2015 Gross Morphometric Feature of Epididymis in Adult Male Pakistani Goats (*Capra hircus*) Pakistan Journal of Zoology; Vol. 47, Iss. 2 ; Pp574-578
18. Mian Saeed Sarwar, Hazrat Ali, Tahir Usman, Naimat Ullah Khan, Hamayun Khan, Imad Khan, Mumtaz Ali Khan and Fazli Rabbani . A study on immunological response of leukocytes to ticks in cattle reared in sub-tropical region of Khyber Pakhtunkhwa Pakistan . Pure and Applied Biology. Vol. 8, Issue 2, pp1655-1660
19. Wahab, A., Hamayun, K., Shakoor, A., Qureshi, M.S., Muhammad, Y., Khan, S., Sadique, U and Shah, M.K., 2016. Biochemical profile of local rabbits (*Oryctolagus cuniculus*) during successful pregnancy under backyard production system. *Pakistan J. Zool.*, 48: 625-630. **Citation :5**
20. Khan, H., Rind, M.M., Mehmood, M.U., Shahzad, Q., Gohar, A., Alam, M., Ali, Q. and Kumbar, H.K., 2014. Biometric Assessment of the Testis in Pakistani Adult Male Goats (*Capra hircus*). *Pakistan J. Zool.*, 46:880-884 **Citation:1**
21. Rahman, S.U., S. Ahmad, H. Khan, M.A. Shahid and I. Ahmad, 2018. Expression and analysis of two-partner secretion system of *Neisseria meningitidis* using heterologous host *Escherichia coli*. *Int. J. Agric. Biol.*, 20: 2097–2102
22. M. Adnan, H. Khan, J. Kashif et al. 2017 “Clonal expansion of sulfonamide resistant *Escherichia coli* isolates recovered from diarrheic calves,” *Pakistan Veterinary Journal*, vol. 37, no. 2, pp. 230–232, [View at Google Scholar](#) · [View at Scopus](#) **Citation :9**
23. Shah, M., Sadique, U., Ahmad, S., Qureshi, S., Rahman, S. and Khan H et al ., 2017. Molecular identification and comparative antimycoplasmal activity of three indigenous medicinal plants against *Mycoplasma putrefaciens* isolated from sheep. *J. Anim. Pl. Sci.*, 27: 5. Pp 1543-1551
24. Hussain SM, Herling VR, Rodrigues PHM, Naz I, Khan H, Khan MT. Mini review on photosensitization by plants in grazing herbivores. *Trop Anim Health Prod.* 2018;925-935 view article □ [PubMed/NCBI](#) □ [Google Scholar](#) **Citation :2**
25. M.K. Shah, U. Saddique, S. Ahmad, A. Iqbal, A. Ali, W. Shahzad, M.S. Khan, H. Khan, H.U. Rehman, S.S.A. Shah, M. Israr, Molecular characterization of local isolates of *Mycoplasma capricolum* sub specie *Capri pneumoniae* in goats (*Capra hircus*) of Khyber Pakhtunkhwa, Pakistan, *Pak. Vet. J.* 37 (2017) 90–94
26. Sultan A, I Uddin, S Khan, R Ullah, H Khan, NA Khan and RU Khan, 2015. Effect of yeast derived carbohydrate fraction on growth performance, apparent metabolizable energy, mineral retention and gut histomorphology of broilers during starter phase. *Pak Vet J*, 35(4): 409-413. **Citation :6**
27. Mian Saeed Sarwar, Amir Bushk Kalhor, Hamayun Khan, Kausarzeb, Shaukat Hayat, Tariq Aziz, Syed Amir Jan, Sardar Ali and Tariq Khan 2014. Sedative and Analgesic Effects of Xylazine in Rabbits. *Pakistan Journal of Zoology* vol. 46(5):1461-1464, 2014

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28. Mehmood, M.U.; Qamar, A.; Raza, S.; Khan, H.; Shahzad, Q.; Sattar, A. Dystocia due to Perosomus Elumbis (Acaudatus) in a buffalo. *Pak. J. Zool.* 2014, 46, 1468–1470. [[Google Scholar](#)] **Citation:1**
29. Sultan A, R Ullah, S Khan, MT Khan, H Khan and IU Zaman, 2014. Nutrient digestibility values and apparent metabolizable energy of corn, wheat and sorghum by pheasants (*Phasianus colchicus*). *Pak Vet J*, 34(4): 479-483. **Citation :11**
30. Ikramullah Khan, Muhammad Subhan Qureshi, Shakoor Ahmad, Sohail Akhtar, Hamayun Khan and Ghufuranullah 2016 Effect of Lactation and Breed on Reproductive Cyclicity Under Various States of Oxidative Stress in Dairy Cattle Breeds *Pakistan Journal of Zoology* Vol.48 (5):, pp. 1431-1441
31. Shah,S.S.A. ; UmerSadique,Z; Ahoor-ul-Hassan; ShakoorAhmad; Hamayun Khan; Shah,M.K ; Muhammad Israr ; Hanif-ur-Rahman. 2017. Clinico-pathological profile and frequency of *Mycoplasma mycoides* subsp. capri infection in goats in northern zone of Khyber-Pakhtunkhwa, Pakistan. *Veterinaria (Sarajevo)* Vol.66 No.2 pp.72-77
32. Rehman H, Alhidary I A, Khan R U, Qureshi M S, Sadique U, Khan H and Yaqoob S H 2016 Relationship of age, breed and libido with semen traits of cattle bulls. *Pakistan Journal of Zoology*, 48(6): 1793-1798 **Citation: 3**
33. Gohar A, Khan H, Yousaf MS, et al. 2014. Assessment of alpha lipoic acid inclusion in semen extender on cryopreservation of Nili-Ravi buffalo bull spermatozoa. *Life Sci J*(indexed in ISI and Scopus) 11(9s 11:45-50. **Citation: 5**
34. Khan, M., M. Saleem, I. Rahim, H. Khan, A. Gohar, S. Ahmad, M. Salim, Q. Ali and. F. Farmanullah. 2014. Assessment of morphometric, productive and reproductive characteristics of Azikheli buffalo in Swat valley in northern. *Life Sci. J.*, 11: 1-8 **Citation :1**
35. Tariq M, Kalhoro AB, Sarwar MS, Khan H, Ahmad S, Hassan SM, Zahoor A 2016. Effects of medetomidine on serum glucose in cattle calves *Pak J Pharm Sci.* 29(3):941-944.
36. Riazuddin -, Khan S, Imtiaz N, Aslam S, Ahmad S, Khan H, Rabbani M, Muhammad J, Tanveer ZI, Ali S.
Study on quality and efficacy of commercial tylosin and doxycycline products against local isolates of mycoplasma in broilers. *Pak J Pharm Sci.* 2017 ;30(2):541-549.
37. F. Ali , Khan. H, et al .2016. Nomad-Animals Are Associated With Exposure To Emerging Diseases Pathogens *Life Sci J* 2016;13(9):84-89
38. Khan, S., Sultan, A., Chand, N., Qureshi, M. S., Tanweer, A. J., Akhtar, A., & Khan, H. (2014). Garlic (*Allium sativum*) modulated serum cholesterol level, improved immune status and carcass yield of broilers. *Pakistan Journal of Science* , 66(2).66(2): 171-174 **Citation :1**
39. Ullah I, Jalali S, Khan H, Shami SA, Kiyani MM 2006. Effect of L-ascorbic acid on Nili Ravi buffalo oocytes during InVitro Maturation. *Pak J Bio Sci* 9(12): 2369-2374. **Citation :5**
40. Shahida PP,M.M RIND, Khan H, M.Tufail, Bashiran and R.Rind 2007 Gross Anatomical Studies on Normal Heart of Buffalo (*Bubalus bubalis*). *International Journal of Agriculture and Biology* 9(1):162-166
41. Imtiaz, N., Sultan A., Khan S., Khan A. and Khan H. 2014. Culminating the influence of heat stress in broilers by supplementing zinc and vitamin c. *World Appl. Sci. J.*, 30 (8): 1064-1069. **Citation:4**

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42. Shuaib M, **Khan H**, Rehman S, Ashfaq M (2006), Humoral immune response to Newcastle disease vaccine (Lasota strain) in broiler, *International Journal of Poultry Science* 5(5), pp. 411-414. **Citation :7**
43. **Khan, H.**, Rind, M. M., Rind, R., & Riaz, M. (2003). Use of shaeffer,s formula for the prediction of body weight of slaughtering cattle. *Journal of Animal and Veterinary Advances*, 2(3), 176–178. [\[Google Scholar\]](#) **Citation :7**
44. **Khan H**, Pardehi M, Rind R, Misri M. 2003. Biometrical Study on Normal Spleen of Cattle. *J. Anim. Vet. Adv.* 2(2): 92-94. **Citation:1**
45. **Khan, H.**; Rind, M.M.; Ahmad, N. and Shah, G. (2003).Gross Anatomy Study on Normal Kidneys of Adult Goat. *Journal of Animal and Veterinary Advances*, 2 (9):539- 541. **Citation: 5**
46. **Khan H**, N Ahmed (Sr.),S Khan, R Ahmed; M M Rind 2003. Study on Testicular Dimensions and Size in Male Buffalo. *J Anim Vet Adv*, 2(11): 639-643.
47. Habib-ur-Rehman,S., Khan MS, **Hamayun K**, Nazir A, Bhatii WM 2004 Incidence and gross pathology of Salmonella gallinarum infection in chicken. *J Anim Vet Adv* 3: 175- 178. **Citation :9**
48. Habib-ur-Rahman, S., Sirzanin, **Hamayun, K.**, Saleem, K., Nazir, A. and Bhatti, W.M. 2003.Incidence and gross pathology of Salmonellosis in chicken in Hyderabad. *J. Ani. Vet. Advances.* 2: 581-584. **Citation :10**
49. Ahmad N, **Khan H**, M.Khan, S Zamin and AM Bahrami 2004. Effect of Urea treated Sorghum Stover with or Without Cattle manure on its intake and digestibility by the growing Ruminants. *J Anim Vet Adv*, 3(4): 198-201
50. Khatri P, **Khan H** and MM Rind 2004. Biometrical studies of reproductive organs of Non-pregnant Buffaloes slaughtered in Hyderabad. *J Anim Vet Adv*, 3(8): 500-502
51. Rind MM, **Khan H**, Rind B, Alam M, Memon IA (2006). Biometrical observations on bovine epididymis. *J Anim Vet Adv*, 5: 376-379. **Citation : 5**
52. Khan S, Sultan A, Muhammad A,Imtiaz N, Mobashar M,**Khan H** et al. Lower illeal microflora and growth performance of broilers supplemented with organic acid blend (Aciflex®) during starter phase. *Greener J Agri Sci* 2013;3(12):794-800 **Citation :2**
53. Shuaib M, **Khan H**, M Ashfaq and Sajid-ur-Rehman 2006. Cell mediated Immune response to Newcastle disease vaccine (Lastoa strain) in Chicks. *J Anim Vet Adv*, 5(5): 434-439
54. Ali, A., Sarzamin, Khan S.,Mobashar, M., Inam, M., Ahmed, I., Khan, N.A., Ali, M., **Khan, H.** 2013. Effect of different levels of organic acids supplementation on feed intake, milk yield and milk composition of dairy cows during thermal stress. *Greener J. Agri. Sci.* Vol. 3 (11). 762-768.**Citation :3**
55. Noor Bad Shah Khattak, **Hamayun Khan**, Muhammad Tarique Tunio. Dose-dependent expression of green tea (*Camellia Sinensis*) extracts in the bovine semen extender for post-thawed fertility indicators. **Accepted for publication in PJZ**
56. Tasbeeh Ullah, Saqir Urehman, Umar sadique ,Shakoor ahmad, sultan ayaz ,**Hamayun Khan** et al High incidence rate of multidrug-resistant ESBL-producing E.coli recovered from table eggs in District Peshawar of Pakistan, **Accepted for publication in PJZ**

Book Publication

1. Assessment of NOS and GLUTS in development of the rabbit placenta ISBN 978-3-8484-8799-8 **Hamayun Khan** and Yasuo KISO 2012. LAP LAMBERT Academic Publishing GmbH & Co. KG Heinrich-Böcking- Str. 6-8 66121, Saarbrücken, Germany

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2. Gross Morphometry of Male Reproductive Organs of Local Adult Goats ISBN978-3659662638 **Hamayun Khan**, Muhammad Misri and Ali Gohar LAP LAMBERT Academic Publishing GmbH & Co. KG Heinrich-Böcking-Str. 6-8 66121, Saarbrücken, Germany-publishing year 2014
3. 3rd International Conference and workshop on Dairy Science Park held at The University of Agriculture Peshawar

Abstract published in proceeding of National and/ or International Conferences

International buffalo congress –IBC2019 held UVAS Lahore, Pakistan ,February ,18-20,2019

1. D.Khan, **H.Khan**, N.Ahmad, M.T.Khan, M.Tahir, M.S.Khan and R.Khan 2019. Non-invasive laboratory tool for successful evaluation of pregnancy diagnosis in buffalo under subtropical environment ; Oral presentation no 37 JVAS pp27

Congress of the Asian Association of Veterinary Anatomist (AAVAIII2009) Chungbuk National University Cheongju, South Korea

1. **Khan H.**, Fayed M, Hondo E, and Kiso Y 2009. Comparative Histology of Epitheliochorial Placenta in the Horse, Pig and Camel. 3rd congress of the Asian Association of Veterinary Anatomist (AAVAIII2009) Chungbuk National University Cheongju, South Korea Nov4-6 Pp81.

Veterinary Science Seminar, Yamaguchi University, Japan

1. **Khan H** and Kiso Y 2010. Quantitative Expression of Glucose Transporter genes, GLUT1 and GLUT3 in the Rabbit Placenta. Veterinary Science Seminar, Yamaguchi University, Japan Aug 25-28 Pp 17

Conference of the Japanese Society of Veterinary Science, Obihiro University Hokkaido, Japan

1. Terai K, **Khan H** and Kiso Y 2010. Morphological aspects of the fetal blood supply in the Rabbit Placenta. 150th meeting of the Japanese Society of Veterinary Science, Obihiro University Hokkaido, Japan Sept16-18 Pp156.

Conference of the Japanese Society of Veterinary Science, Osaka Prefecture Uni Osaka, Japan

1. **Khan H**, Kusakabe KT, Kiso Y 2011. Assessment of NO synthase isoenzymes (eNOS and iNOS) in the rabbit placenta during successful pregnancy. 152th meeting of the Japanese Society of Veterinary Science, Osaka Prefecture University Osaka, Japan Sept 20-23 Pp166

Asian Buffalo Congress held at Istanbul Turkey dated 21-25 ,April 2015

1. Ahsan Ul HAQ, Qaisar SHAHZAD, Sajid IQBAL, Hina TAHIR, Burhan E AZAM, **Hamayun KHAN** 2015 .Effects of Manganese Chloride on Semen Quality of Nili-Ravi Buffalo Bull. Asian Buffalo Congress Istanbul Turkey
2. Qaisar SHAHZAD, Amjad RIAZ, Maqsood AKHTAR, Burhan E AZAM, Muhammad Usman MEHMOOD, Ahsan Ul HAQ, **Hamayun KHAN** 2015 .Antral Follicular Count (Afc): A Reliable Tool To Assess Reproductive Potential In Nili-Ravi Buffalo. Asian Buffalo Congress Istanbul Turkey

International Symposium on Dairy Animal Reproduction (ISDAR-2015) held at UVAS March30-31,2015

1. Zakirullah, **Hamayun Khan**, Muhammad Subhan Qureshi, Muhammad Younas, Ali Gohar, Rifat Ullah Khan, Shuaib Sultan Afridi ,Hamid Rehman ,Umar Saddique, Ibrar Muhammad Khan, Adnan Khan Cysteine supplementation Enhanced Post-thaw quality of Spermatozoa in Achai and Holstein Fresian bulls” J.Vet.Anim.Sci.Vol.5 (suppl.1); Pp16
2. Ibrar Muhammad Khan, Muhammad Subhan Qureshi, Rifat Ullah Khan, Umar Saddique, Adnan Khan, Syed Murtaza Hussan Andrabi, Ali Gohar, Muhammad Younas, **Hamayun Khan**, Hamid Rehman and Zakirullah Cross Breeding Promotes Deterioration of Semen Quality in Cattle” .J.Vet.Anim.Sci.Vol.5 (suppl.1); Pp20
3. Abdul Ghaffar Khan1,Muhammad Subhan Qureshi, **Hamayun Khan**, Muhammad Younas, Ali Gohar, Sohail Akhtar ,Rifat Ullah Khan, Hamid Rehman, Umar Saddique Testicular Biometry, Scrotal Circumference, Serum Testosterone And Semen Characteristics In Jersey And Achai Bulls J.Vet.Anim.Sci.Vol.5 (suppl.1); Pp26

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4. Adnan Khan, Muhammad Subhan Qureshi, Rifat Ullah Khan, Umar Saddique, Ibrar Muhammad Khan, Syed Murtaza Hussan Andrabi, Ali Gohar, Muhammad Younas, Hamayun Khan, Hamed Rehman and Zakirullah Effects of Different Equilibration Times on Cell Membrane and DNA Integrity of Sperm after Cryo-preservation in Cattle” J.Vet.Anim.Sci.Vol.5 (suppl.1); Pp19
5. Hamed Rehman, Muhammad Subhan Qureshi, Rifat Ullah Khan, Umar Saddique, Adnan Khan, Ali Gohar, Muhammad Younas, Hamayun Khan, Ibrar Muhammad Khan and Zakirullah Relationship of Age, Breed and Libido with Semen Traits of Cattle Bulls” J.Vet.Anim.Sci.Vol.5 (suppl.1); Pp20

3rd International workshop on Dairy Science Park

1. M.Tufail; Ihsanullah; Hamayun Khan; Shahkooor Ahmad, Muhammad Saleem Khan, Farhatullah Khan The Incidence of the Tick Borne Hemoprotozoan Diseases in Crossbred Cattle in and around Peshawar; Abstract AH-16 Page 21
2. Muhammad Kamal Shah, Umer Saddique, Zahoor Ul Hassan, Shakoor Ahmad, Hamayun Khan, Muhammad Tariq Sajjad Ali Shah, Hanif Ur Rehman, Mushtaq Ahmad Farida Tahir 2015. Antibacterial activity of Leaf Extracts of Azadirachta Indica (Neem) against Mycoplasma Putrefaciens; Abstract AH-19 page 23
3. Muhammad Kamal Shah, Umer Saddique, Shakoor Ahmad, Zahoor Ul Hassan, Abdul Jabbar Tanwir, Hamayun Khan, Said Sajjad Ali Shah, Hanif Ur Rehman, Shakir Ullah, Hayat Ullah 2015. Antimycoplasmal activity of Calotropis Procera against local isolates of Mycoplasma Mycoides Sub Specie Capri in Khyber Pakhtunkhawa, Pakistan. Abstract AH-20 page 24
4. Muhammad Kamal Shah, Umer Saddique, Muhammad Subhan Qureshi, Shakoor Ahmad, Zahoor Ul Hassan, Sadique-ur-Rehman, Hamayun Khan, Hanif Ur Rehman Sajjad Ali Shah 2015. Comparative study of DNA Extraction Protocols for Mycoplasma Species. Abstract AH-21 page 24-25
5. Farida Tahir, Shakoor Ahmad, Umar Saddique, Zahoor ul Hassan, Kamal Shah, Hamayun Khan and Said Sajjad Ali Shah 2015. In Vitro Antimicrobial Susceptibility of Mycoplasma Gallisepticum Local Isolates. Abstract AH-23 page 26
6. Said Sajjad Ali Shah, Umer Saddique, Muhammad Subhan Qureshi, Zahoor Ul Hassan, Shakoor Ahmad, Hamayun Khan, Muhammad Kamal Shah, Hanif ur Rahman, Adnan Khan 2015. Hematological and serological profile of goats affected With contagious caprine pleuropneumonia in northern Districts of Khyber Pakhtunkhawa. Abstract AH-24 page 26
7. Said Sajjad Ali Shah, Umer Saddique, Zahoor Ul Hassan, Shakoor Ahmad, Abdur Rahman, Hamayun Khan, Muhammad Kamal Shah, Hanif ur Rahman 2015. Biochemical Profile of Isolates of Mycoplasma from field outbreak in Khyber Pakhtunkhawa. Abstract AH-25 page 27
8. Mehwish Malik, Shakoor Ahmad, Umer Siddique, Murad Ali Khan, Hamayun Khan and Zahoor Ul Hassan 2015. A Study on Prescription Pattern of Veterinary Drugs in selected areas of Khyber Pakhtunkhawa. Abstract AH-35 page 34
9. Naushadkhan, Munir Khan, Shaista Naz and Hamayun Khan 2015. Zarai Tarqati Bank Limited Credit Program Role in the Development of Goat Production in Rural Area of District Mardan, Pakistan. Abstract BI-04 page 57
10. Naushad Khan, Munir Khan, Shaista Naz, Hamayun Khan and Saleem Khan 2015. Effects of Zari Tarqati Bank Limited Credit Program on Buffalo Production in Rural Areas of District Mardan. Abstract BI-05 page 58
11. Fasih-Ud-Din Qureshi, Hamayun Khan, Shakoor Ahmad, Farhatullah Khan, Muhammad Subhan Qureshi, Shuaib Sultan, Muhammad Saleem Khan and Ihsan Ullah 2015. Comparative Effect of Milk Replacer on Holstein Frisian Calf Growth and Economics. Abstract BI-06 page 59

International Conference on Agriculture, Food And Animal Science held at Sind Agriculture University Tandojam 25-26 February 2015

1. Hamayun Khan, Abdul Wahab, Muhammad Subhan Qureshi, Shakoor Ahmad, Muhammad Younas and Sir Zamin Khan Studies on the Selected Biochemical Indicators of the Amniotic Fluid in local Rabbits during Successful Pregnancy, the Proceeding of the international conference on agriculture, food and animal science held in Sind Agriculture University TandoJam on 25-26 February 2015. page 49
2. Abdul Wahab, Hamayun Khan, Muhammad Subhan Qureshi, Muhammad Younas and Sir Zamin Khan Pregnancy related changes in gross morphometry of the Placenta and Developing

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Fetus in local Rabbits the proceeding of the international conference on agriculture, food and animal science held in Sind Agriculture University TandoJam on 25-26 February 2015.Pp51

International Conference on Advances in Parasitology and Public health (ICAPPH-2014)

1. **Hamayun Khan** Assessment of glucose transporters in development of the mammalian placenta using Rabbit as Animal model during successful pregnancy. Proceeding of International Conference on Advances in Parasitology and Public health (ICAPPH-2014) College of Veterinary and animal science, Jhang on October 22-23, 2014.

2nd international workshop on Dairy science Park held at University of Agriculture Peshawar November18-20, 2013

1. Ahmad S., T.Nazir, R.Kayali and **H.Khan** In Vitro quality assessment of commercially available brands of diclofenac Sodium tablets Proceeding of the 2nd international workshop on Dairy science Park held in the university of agriculture Peshawar November18-20,2013 Pp169 abstract no EQE-12
2. A.Sultan, S.Khan, A.Khan,,N.Imtiaz,M.S.Khan,Rafiullah and **H.Khan** supplementation of Zinc and Vitamin C in heat stressed broilers. Proceeding of the 2nd international workshop on Dairy science Park held in the University of agriculture Peshawar November18-20,2013 Pp169 abstract no PS-33
3. Asar Ali shah, Rifatullah khan, Muhammad Saleem khan, Sirzamin Khan,Nazirahmad and **Hamayun Khan**. effect of different levels of vitamin E on the performance traits,serum antioxidant enzymes and trace minerals in Japanese quail (*CoturnixcoturnixJapanica*) Proceeding of the 2nd international workshop on Dairy science Park held in the university of agriculture Peshawar November18-20,2013 Pp142 abstract no PS-4
4. S.Khan, M.Inam, A.Sultan, M.S.Qureshi,N.imtaiz,**H.Khan** and Rafiullah Semen quality of local and exotic roosters (*Gallus Gallus Domesticus*) during extremes of summers supplemented with ascorbic acid and electrolytes (Ec-Cool) Proceeding of the 2nd international workshop on Dairy science Park held in the university of agriculture Peshawar November18-20,2013 Pp140 abstract no PS-2
5. Yasir Hayat Sher, IllahiBuxKalhor, **Hamayun Khan**, Ghiasuddin Shah,Abdul Latif Bhutto, and Muhammad Misri RindBiometric Observations on the normal lymph Nodes and Spleen of Barbari Goat. Proceeding of the 2nd international workshop on Dairy science Park held in the university of agriculture Peshawar November18-20,2013 Pp68 abstract no AH-45
6. Yasir Hayat Sher, IllahiBuxKalhor, **Hamayun Khan**, Ghiasuddin Shah,Abdul Latif Bhutto, and Muhammad Misri Rind Micrometrical Assessment of the Normal Lymph Nodes and Spleen of Barbari Goat.Proceeding of the 2nd international workshop on Dairy science Park held in the university of agriculture Peshawar November18-20,2013 Pp68 abstract no AH-46

National Conference on Agriculture and Animal Sciences, Sindh Agriculture University TandoJam, Pakistan

1. **Khan H**, Miyandad P, MM Rind and Rind R 2006. Gross Anatomical Study on Spleen in Cattle (*Bos indicus*). 3rd National conference on Agriculture and Animal Sciences, Sindh Agriculture University TandoJam, Pakistan Nov 21-23 Pp24

International Science Index

1. Sanan Raza, **Humayun Khan**, Muhammad Younus, Ahmad Yar Qamar, Tariq Abbas, Mujahid Zafar.Comparative assessment of hCG with Estrogen in increasing pregnancy rate in mixed parity buffaloes. International Science Index Vol:2, No:4, 2015
waset.org/abstracts/23361

International linkages

1. Official Visiting Scholar for research of United Graduate School of Veterinary Sciences Yamaguchi University Japan in 2016 for 15 days .

Curriculum Vita/ Biodata

2. Course Development on Biorisk Management by Sandi lab, USA in Colombo Sir Lanka 3rd Sept of 7th sept 2017

Administrative Experiences:

1. Currently working as Additional director Advance Studies and Research, The University of Agriculture, Peshawar Khyber Pakhtunkhawa since 2014 till date.
2. Currently working as Staff Proctor in Department of Animal Health, The University of Agriculture, Peshawar Khyber Pakhtunkhawa since 2014 till date
3. Worked as resident warden of **Hostel 6** since March 2014 till April,2015.
4. Have worked as member of tour committee of University of Agriculture Peshawar, Khyber Pakhtunkhawa .
5. Have worked as senior member of Scrutiny and Quantification Committee of Department of Animal Health, The University of Agriculture, Peshawar.
6. Have worked as Co-opted Member of the Board of Studies of Department of Animal Health, The University of Agriculture, Peshawar.
7. Have been working as Member of the scrutiny and quantification committee of Faculty of Animal Husbandry and Veterinary Sciences The University of Agriculture, Peshawar.
8. Have been worked as Member of the Board of Studies of Faculty of Animal Husbandry and Veterinary Sciences, The University of Agriculture, Peshawar
9. Have been working as member of the editorial board of the **International Journal of Agricultural Policy and Research**.
10. Currently working as member of ethical committee of the Department of Pharmacy, University of Peshawa
11. Assisted the Secrecy or examination section of the University by conducting the supervisory duty in the undergraduate examinations. Rechecking/ retotaling of Paper in secrecy
12. Assisted Directorate of Advance studies and research; assistance was provided by evaluation of M.Phil/M.SC (Hons) Thesis seminars. Also representing DASR in board of study of Department of Livestock Management and Department of Animal Nutrition.
13. NTS MCQs were prepared in the subject of Animal Reproduction for entry test in M.Phil / PhD
14. Worked as Member of the auction committee of animals at University Dairy Farm.
15. Assisted the directorate of teaching by preparation of timetable for DVM students
16. Member of the assessment team for internal assessment and evaluation of degree programme offered by the Department of Animal Nutrition, the University of Agriculture Peshawar.
17. Coordinated field visit of the 26 LHV students of the Public Health School, Hayatabad Peshawar on 18-03- 2015
18. Subject Specialist/ expert in Khyber Pakhtunkhawa Public Service Commission for interview of recruitment of Veterinary / Research Officer BPS-17.
19. Agriculture Training Institutes (ATI) was assisted as paper setter, checker and conduct the practical in the subject of Veterinary Anatomy.
20. Student affair coordinator or Section head of the post graduate M.Phil degree programme in Theriogenology of the Department of Animal Health. Preparation of time table for M.Phil/ PhD students.
21. Celebrated world Veterinary day in the University
22. Editor for proceeding of 3rd International Workshop on Dairy Science Park
23. Hall management committee member for 3rd International Workshop on Dairy Science Park
24. Attended One-Day Symposium on Irradiation as Sanitary and Phytosanitary Treatment of Medicinal Herbs/Plants on October 29,2015, held at Nuclear Institute of Food and Agriculture (NIFA), Tarnab, Peshawar

Membership of Professional Organization/Association

1. Lifelong membership of Pakistan Veterinary Medical Council (PVMC) Islamabad, Pakistan
2. Society for Animal Reproduction of Pakistan (SARP)(elected as representative of KPK zone)
3. Membership of approved PhD supervisors list of Higher Education commission

Curriculum Vita/ Biodata

4. Member of Board of studies for clinical Science , The Gomal College of Veterinary Sciences, D.I. Khan since January 2018
5. Member of academics/ course development, the department of Agricultural sciences , Allama iqbal open university Islamabad
6. Subject expert/technical member Khyber Pakhtunkhawa Public Service Commission
7. Member ship of Japanese Association of Veterinary Anatomist (2009, 2011)
8. Membership of Asian Association of Veterinary Anatomist (2009)
9. Membership of Japanese Society of Veterinary Science (2011)
10. Membership of Pakistan veterinary medical Association. (2015)
11. International Veterinary Information Service (IVIS)
12. International Journal of Agricultural Policy and Research
13. Dairy Science Park as organizer and editorial board member for 3rd international workshop.
14. Nutritionists Association of Pakistan
15. Agriculture University Teacher Association
16. Membership of Ethical Committee University of Peshawar for M.Phil and PhD researches
17. Member of the auction committee of animals at University Dairy Farm
18. Member of the assessment team for internal assessment and evaluation of degree programme offered by the Department of Animal Nutrition, the University of Agriculture Peshawar.

Achievements/Awards

1. Visiting Scholar for research of Yamaguchi University Japan
2. HEC Approved supervisor since 2012
3. Designed and completed 8 research project as chairman supervisory committee for award of M.Phil degree . One scholar was the recipient of indigence fellowship of HEC.
4. Obtained **Silver medal** in M.Sc (Hons) from Sindh Agriculture University TandoJam
5. Obtained Overseas PhD fellowship (Japan) from HEC of Pakistan under Faculty Development
6. Have supervised about 10 DVM students for their internship program/report.
7. Have supervised one student for his special problem for award of M.Sc(Hons) degree.
8. Keynote oral speaker in International Conference on Advances in Parasitology and Public health (ICAPPH-2014) held College of Veterinary and animal science, Jhang on October 22-23, 2014.
9. Presented Paper in 3rd National conference on Agriculture and Animal Sciences, Sindh Agriculture University TandoJam, Pakistan Nov 21-23 Pp24 2006
10. Presented Paper in 3rd congress of the **Asian Association of Veterinary Anatomist (AAVAIII2009)** Chungbuk National University Cheongju, South Korea Nov4-6 Pp81.
11. Part-Time Teaching Assistant in the Laboratory of Veterinary Anatomy, Yamaguchi University, was

Curriculum Vita/ Biodata

helping the graduate students in Anatomy Practical Demonstration Classes.

12. Part-Time Research Assistant in the Laboratory of Veterinary Anatomy Yamaguchi University, was helping the graduate students in Histological and Immunohistochemical researches.
13. Presented paper in Veterinary Science Seminar, Yamaguchi University, Japan
14. Presented paper in 152th meeting of the Japanese Society of Veterinary Science, Osaka Prefecture University Osaka, Japan Sept 20-23 2011.
15. Attended seminar on Future Strategies to improve Buffalo Reproduction, held in Buffalo Research Institute, Pattoki held on April 16, 2014.
16. Letter of appreciation by the worthy Vice Chancellor at the occasion of the Silver Jubilee Celebrations of the University, held on February 3 and 4, 2006.
17. International Poultry Congress, Lahore, Pakistan Sep 27-28, 2002
18. 33rd All Pakistan Science Conference, University of Agriculture, Faisalabad Dec25-28 2002
19. Attended Veterinary Science Seminar held in Miyazaki University Japan July 1-4 2008
20. Attended Veterinary Science Seminar held in Kagoshima University Japan July 1-4 2009
21. Actively involved in outreach activities by providing and coordinating the short training Programme for community based progressive farmers, women, etc. As co-coordinator successfully completed one year diploma course on livestock manager in the Short term skill development under Prime Minister Hunarmand Pakistan programme.
22. Resource Person in 6 week capacity building training in Artificial Insemination for Veterinarian and Para- veterinary staff of Khyber Pakhtunkhawa sponsored by ASF and funded by US-AID.

Additional Mini Courses and Training Received

1. Data Analysis technique for crop, animal and social sciences
2. Advanced beginning Japanese language course I,II and III
3. Staff Development Course
4. Dairy Training on Milk Processing
5. Fodder & Forages: Under the project "Improvement & Development of Fodder and Forages in N.W.F.P.
6. Livestock Production in Barani Areas
7. Histological & Histochemical Techniques
8. Methodology of Diseases Diagnosis
9. Training of Presiding Officer
10. A workshop biorisk management curriculum development held at Colombo, Sarlanka from sept 4-7, 2017

Extension and outreach Activities

1. Attended the ILDP Congress in Awan Iqbal in Lahore.
2. Subject Specialist in Khyber Pakhtunkhawa Public Service Commission for interview of Veterinary/ Research Officer BPS-17.
3. Agriculture Training Institutes (ATI) was assisted as paper setter, checker and conduct the practical in the subject of Introduction to Veterinary Anatomy for diploma in Veterinary Science three year course.
4. Attended seminar on Future Strategies to improve Buffalo Reproduction, held in Buffalo Research Institute, Pattoki held dated April 16, 2014.
5. Editorial Board Membership: i) Editorial board member of the International Journal of Agricultural Policy and Research.
6. Actively involved in outreach activities by providing and coordinating the short training Programme for community based progressive farmers, women, etc. As co-coordinator successfully completed one year diploma course on livestock manager in the Short term skill development under Prime Minister Hunarmand Pakistan programme.
7. Resource Person in 6 week capacity building training in Artificial Insemination for Veterinarian and Para- veterinary staff of Khyber Pakhtunkhawa sponsored by ASF and funded by US-AID.

Curriculum Vita/ Biodata

8. Performed duty as coordinator for guidance and supervision in Study and exposure visit of M.Phil students of University of Peshawar, University of Agriculture Peshawar, Baluchistan University Quetta to NVL Islamabad, UVAS Lahore and University of Agriculture Faisalabad duly sponsored by Relief International Decmber1-6, 2013
9. Attended One day consultative workshop on reversion / updating and inclusion of zoonotic diseases in training curricula of Ahiti” Organized by LDD (Extension) Khyber Pakhtunkhawa In collaboration with Relief International- Pakistan held at FAHVS, University of Agriculture Peshawar dated August 28,2013
10. Resource person in Pakistan Forest Institute dated Oct 8, 2015 for lecture on Use of Medicinal Plants in Animal Reproduction
11. Resource person and organizer for workshop on urea molasses block for the progressive dairy farmers in SWABI district duly sponsored by Directorate of Science and Technology (DOST) in collaboration with Department of Animal Nutrition, university of Agriculture.