

CURRICULUM VITAE

Current Position

Presently I am serving as lecturer at University of Veterinary and animal sciences, Lahore, Sub campus Jhang, Pakistan.

PERSONAL DATA:

Name: Muhammad Kashif
Father's name: Abdul Sattar
NIC No.: 32304-8840050-9
Date of Birth: 05-08-1984
Domicile: Muzaffargarh-Punjab (Pakistan)
Nationality: Pakistani
Marital Status: Married
E-mail Address: Muhammad.kashif@uvas.edu.pk
Contact No: +923067633793
Korean Proficiency: Topik Level 4
Other Language: English, Pakistani, Indian (Hindi)



QUALIFICATIONS

Degree	Board/University	Year	Marks obtained/ Total Marks	Division	Main subjects
PhD	Chungbuk National University, South korea	2018	3.96/4.00	Ist	Veterinary Clinical Medicine
M. Phil	University of Agriculture, Faisalabad, Pakistan	2010	3.81/4.00	Ist	Veterinary Clinical Medicine
D.V.M.	University of Agriculture, Faisalabad, Pakistan	2008	3.21/4.00	Ist	Veterinary Science

F.Sc.(Pre-Medical	Dera Ghazi Khan	2002	829/1100	Ist	Biology, Physics, Chemistry, English
Matric (Science)	Dera Ghazi Khan	2000	671/850	Ist	Biology, Chemistry, Physics, Math & English

Professional Experience

Sr. No.	Designation	BPS	From DD/MM/YYYY	To DD/MM/YYYY
1	Lecturer	18	13-10-2009	02-09-2018
2	Assistant Professor	19	03-09-2018	02-09-2019
3	Lecturer	18	03-09-2019	To date

I have more than 10 years of experience in teaching and research in universities. I won Korean Government Scholarship for PhD programme. I worked as a researcher and PhD Scholar for 4 years in the Chungbuk National University, South Korea. I am very much expert in all kind of cell culture especially cancer cells. I used natural product nimbolide and neem oil extract to investigate its anticancer activities and molecular mechanism. I used MTT assay to find antiproliferative effect, PKH 26 fluorescence dye/cell tracking dye to trace cells in vitro and in vivo, Hoechst 33342 and propidium iodide dual staining through a fluorescent microscope and annexin V and propidium iodide through flow cytometric analysis to find apoptotic effect, colorimetric assay kits to measure the activity of caspases. I analyzed protein expression of cyclin dependent kinase (CDK) 2, CDK4,

Cyclin D1, Cyclin E, p21, p27, p53, and phosphorylation of C-jun N terminal kinases (JNK), p38, extracellular signal regulate kinase (ERK), specific protein kinase (AKT) by western blotting, cell migration by scratch wound healing assay, cell invasion was assessed by Boyden chamber invasion assay, zymography assay for expression of matrix metalloproteinases (MMP)-2 and MMP-9 and electric mobility shift assay (EMSA) was performed for detection of binding activity of transcription factors, nuclear factor-kappa B (NF-kB), activator protein-1 (AP-1) and specificity protein-1 (Sp-1). I also made extract of plants. I am also familiar with H&E staining, histopathology, immunohistochemistry and in vivo modeling. I taught cell culture techniques to many undergraduate and postgraduate students and also helped in research work of lab mates. I have 19 publications in different journals as principal author and co-author.

Professional activities at College of Veterinary and Animal Sciences Jhang

- Convener of Committee for Clinical Work Society CVAS, Jhang
- Member of UVAS-24/7 Extension Service
- Secretary of Departmental Board of Studies of Department of clinical sciences
- Incharge of experimental rooms of Department of clinical Sciences
- Member of CVAS Team for flood relief activities at district Muzaffargarh Pakistan
- Member of Art and Literarily Society CVAS, Jhang
- Member of UVAS Alumni Society
- In charge of the Veterinary clinic at CVAS, Jhang and dealing all the cases at teaching hospitals and also provide Extension Services to stakeholders.
- Class Advisor session 2019-2024
- Public information officer CVAS, Jhang

Workshop Attended at National/International level

- “Professional Competency enhancement workshop for teachers” organized by Centre for Education Policy and Administration from 20-24 February, 2012
- Endnote workshop conducted by college of veterinary and animal Sciences, Jhang, Pakistan in collaboration with Freddrich Loeffler Institute (Fedral research institute for Animal Health) Germany from 6-7 April, 2013
- Three days’ workshop on “Data Analysis” organized by Bio-Statistical consulting centre, UVAS, Lahore from August, 20-22, 2013.

- Three days HEC-AIT cascading workshop on “Ensuring Training Effectiveness” conducted at college of veterinary and animal Sciences, Jhang, from 11-13 September, 2013
- One day SPSS training course, “Basics in SPSS statistics” organized by Chungbuk National University South Korea, 19 January, 2017.
- Three days work shop on” Constructive Alignments of teaching learning context” organized by In service training of advanced veterinary education and professional development (IVPD), from 18th to 20th March, 2019 at UVAS, Lahore
- One day workshop on “ Hands on training on equine Shoeing” organized in collaboration with Brooks Hospital on 22, November 2019 at CVAS, Jhang
- Two days workshop on “Hands on training workshop on bioinformatics” Organized by section of epidemiology and public health on 26-27, September, 2019 at CVAS, Jhang.

Represented Pakistan at National and International Level

- Represented Pakistan at 30th Pakistan Congress of Zoology (international) March 02-04, 2010 University of Agriculture Faisalabad.
- Represented Pakistan at National Science Conference January 10-12, 2012. University of Arid Agriculture Rawalpindi
- Represented Pakistan at National Conference on Strategies to improve Red Meat Production 13th October, 2010. Bahaddin Zakariya University Multan
- Represented Pakistan at International conference on the application of molecular biology in medicine and agriculture at Quaid-i-Azam University, Islamabad, August, 20-22, 20
- Represented Pakistan at 30th Pakistan Congress of Zoology (international) March 02-04, 2010. University of Agriculture Faisalabad.
- Represented Pakistan at national science conference. January 10-12 -2012. University of Arid Agriculture Rawalpindi.
- Represented Pakistan at 36th all Pakistan Science Conference. November 12-13 -2012. Gomal University Dera Ismail Khan.

- Represented Pakistan at International Livestock, Dairy and Poultry Conference. April 17-18, 2013. Awan-e-Iqbal Lahore, Pakistan. Organized by Pakistan Veterinary Medical Association (PVMA)
- Participated in “ International buffalo congress” (IBC 2019) held on 18-19 February, 2019, at pearl continental, Lahore, Pakistan

Taught Courses

Course No.	Title	Level	Practical/Clinic
MED-601 3(2-2)	General Medicine	DVM	Theory & Practical
MED-702 4(4-0)	Systemic Medicine I	DVM	Theory
MED-801 3(3-0)	Systemic Medicine II	DVM	Theory
MED-705 2(0-4)	Medicine Clinic-I	DVM	Clinic
MED-804 3(0-6)	Medicine Clinic-II	DVM	Clinic
MED-905 3(0-6)	Medicine Clinic-III	DVM	Clinic
PETC-508 2(2-2)	Pet Animal Welfare & Management	DVM	Theory & Practical
WECO-807 2(2-2)	Lab and Zoo Animal Welfare	DVM	Theory & Practical
MED- 1004 4(3-2)	Diseases of mammary Glands	M. Phil	Theory & Practical
LAD-203 4(2-4)	Medicine Clinic	LAD	Theory & Practical

MEMBERSHIPS:

- Pakistan Veterinary Medical Council (PVMC)
- Zoological Society of Pakistan
- Pakistan Veterinary Medical Associations
- UVAS Alumni Association

RESEARCH:

M. Phil Thesis Title:

“Comparative efficacy of enrofloxacin and oxytetracycline as systemic dry period therapy in the control of bubaline mastitis”

PhD thesis Title:

“Anticancer Efficacies of an Extract of Neem Tree (*Azadirachta indica*) Oil and its Active Compound Nimbolide”

Publications

1. Kashif M, Hwang Y, Kim W and Kim G. Nimbolide inhibits proliferation, migration and invasion of bladder cancer EJ cells by altering signaling pathways and downregulating MMP-2/9 expression through reducing binding activity of transcription factors. *Oncogene, Evidence-Based Complementary and Alternative Medicine* Volume 2019, Article ID 3753587, 12 pages <https://doi.org/10.1155/2019/3753587> **Impact factor (1.98)**
2. **Kashif, M.**, Y. Hwang, G. Hong, and G. Kim. 2017. In vitro comparative cytotoxic effect of Nimbolide : A limonoid from *Azadirachta indica* (Neem tree) on cancer cell lines and normal cell lines through MTT assay. *Pak. J. Pharm. Sci.* 30(3): 967-973. **Impact factor (0.88)**
3. **Kashif M**, Hwang Y, Kim W and Kim G. In vitro morphological apoptosis effect of nimbolide; A limonoid from *Azadirachta indica* (Neem tree). *Iran J Pharm Res* 2018; Accepted (24-01-2018)/In Press (**Impact factor 1.507**)
4. **Kashif M**, Kim D and Kim G. In vitro antiproliferative and apoptosis inducing effect of a methanolic extract of *Azadirachta indica* oil on selected cancerous and noncancerous cell lines. *Asian Pacific Journal of Tropical Medicine* 2018; 11(10): 556-561. **Impact factor (1.634)**
5. Kim, S., Y. Hwang, **M. Kashif**, D. Jeong, and G. Kim. 2016. Evaluation of bone regeneration on polyhydroxyethyl-polymethyl methacrylate membrane in a rabbit calvarial defect model. *In Vivo.* 30(5): 587–591. **Impact factor (1.02)**
6. **M. Kashif**, T. Ahmad, A. shakoor, M. Younus, A. Yousaf, M. Yaqoob, M.MAwais, S. A. Muhammad, A. Nasir and Z. Iqbal, 2103. Comparative efficacy of Enrofloxacin and Oxytetracycline as systemic dry period therapy for the control of bubaline mastitis. *Buffalo Bulletin* 32(2): 1002-1008 (**Impact factor (0.119)**).
7. A. Shakoor., S. A., Muhammd, M. Younas, **M. Kashif**, U. Waheed and A. Hussain, 2103. Emphysemated Necrotic Skin disease (Patakha): A newly emerging disease in Buffaloes. *Buffalo Bulletin* 32(2): 1011-1015 (**Impact factor (0.119)**).
8. A.Shakoor, S. A. Muhammd, T. Abbas, **M. Kashif** and A. Hussain, 2103. The comparative efficacy of three indigenous plants (*Fumariaparviflora*, *Artemesiamaritima* & *Swertiachirata*) alone or in combination for the treatment of toxemia in buffaloes. *Buffalo Bulletin* 33(4): 350-354 (**Impact factor (0.119)**)
9. Nasir, A., M. Ashraf, A. Shakoor, M. Adil, T. Abbas, **M. Kashif**, M. Younus, and M.P.

- Reichel. 2014. Co-infection of water buffaloes in Punjab, Pakistan, with *Neospora caninum* and *Brucella abortus*. Turkish J. Vet. Anim. Sci. 38(5): 572–576. **(Impact factor (0.49))**
10. A. Shakoor, Muhammad, S. A. M. Younus and **M. Kashif**. 2012. Surgical Repair of Congenital Recto-Vaginal Fistula with Atresia ani in a cow calf. Pak. Vet. J. Vol. 32(2): 298-300 **(Impact factor (1.25))**.
 11. Sayyed Aun Muhammad, Abdul Shakoor, Muhammad Younus, Mian Muhammad Awais, **Muhammad Kashif**, Muhammad Kashif Maan, Muhamamd Raza Hameed and Muhammad Saleem Akhter. 2015. Surgical rectification of congenital type ii *atresia ani* leading to rectovaginal fistula in cattle calves. Pak. j. life soc. Sci. (2015), 13(1): 62-63 **(HEC Recognized Journal)**
 12. Abdul Shakoor, **Muhammad Kashif**, Amar Nasir, Syed Ehtisham-ul-Haque, Asghar Hussain, Usman Waheed and Sayyed Aun Muhammad. 2014. Comparative clinical efficacy of allopathic, homoeopathic and herbal treatments against foot and mouth disease in buffaloes. Pak. j. life soc. Sci. (2014), 12(3): 155-159. **(HEC Recognized Journal)**
 13. **Kashif, M.**, M. Rizwan, A.Z. Durrani, A. Nasir, and G. Kim. 2016. Therapeutic trials to evaluate the efficacy of topical Clotrimazole and Nystatin on clinical cases of otitis externa in dogs caused by *Malassezia pachydermatis* in district Lahore and its suburbs in Pakistan. *J Biomed Transl Res* 17(2): 26–29. **(KCI Recognized Journal)**
 14. A. Shakoor, Muhammad, S. A. and **M. Kashif**. 2011. Surgical rectification of paraphymosis associated with tumorous growth in a dog. IJAVMS 5(5): 452-455
A. Shakoor, Muhammad, S. A. **M. Kashif**, ZU Rehman, A. Hussain and MR Hameed 2012. Effects of *Thuja Occidentalis* as an alternative remedy in the treatment of Papillomatosis in Cattle. Vet. World, Vol.5(2): 118-120 **(HEC Recognized Journal)**
 15. A. Shakoor, Muhammad, S. A. M. Younus and **M. Kashif**. 2012. Surgical Repair of Congenital Recto-Vaginal Fistula with Atresia ani in a cow calf. Pak. Vet. J. Vol. 32(2): 298-300
 16. Rizwan, M., O.A. Khan, M. Sarwar, and **M. Kashif**. 2016. Swayback Disease in Ruminants : A Review. APPL. SCI. BUS. ECON. 3(2): 40–45.
 17. S. Aslam, A. Zameer, M. Rizwan, **M. Kashif**, 2016. Comparative Efficacy of Metronidazole in Combination Colistinsulphate and Probiotics against *Clostridium*

Perfringens and Their Effects on Histopathological Features of Visceral Organs in Broiler. Veterinaria, 4(1), 11–17.

18. **Kashif, M.**, M. Rizwan, M. Ali, T. Ahmad, and A. Zameer. 2016. Control of Mastitis through dry cow therapy : A review Dry Cow Therapy Advantages of Dry Cow Therapy. Veterinaria. 4(2): 13–16.

19. Rizwan, M., A. Zameer, M. Ijaz, **M. Kashif**, and S. Firyal. 2016. Clinio-Bacteriological Investigation of Sub-Clinical and Clinical Mastitis in Dairy Goats. Veterinaria. 4(1): 4–6

Book/Chapter

Shakoor, A, **M. Kashif**, Amar Nasir, S.E. Haque, A. Hussain, M.M. Awais, Arfan Yousaf. 2014. Veterinary Medicine Practical Notebook. The Elite Scientific Publications, Pakistan. (ISBN 978-969-7517-07-7).

Conference papers

Muhammad Hasnain, Muhammad Ijaz Saleem, Muhammad Sajjad Khan, **Muhammad Kashif**, Muhammad Rizwan and Tanveer Ahmed, 2018. To investigate the occurrence, etiology and antibiogram profiling of caprine mastitis in nagri and faisalabadi strains of beetal. 1st International and 2nd National Conference on “Challenges and opportunities to boost in changing climates” March 26-28, 2018.

Kashif, M., Y. Hwang, G. Hong, and G. Kim. 2017. In vitro cytotoxic effect of Nimbolide on cancer cell lines and normal cell lines. VII EFMC International Symposium on Advances in synthetic and Medical Chemistry (ASMC 17) at Vienna, Austria on August 27-31, 2017, Page 223.

Muhammad Rizwan, Tanveer Ahmed, Aneela Zameer Durrani, Muhammad Kashif, 2017. Epidemiology and antimicrobial sensitivity of pathogens associated with caprine mastitis in Pakistan Proceedings, 37th Pak. Congress of Zoology (international), UA Faisalabad, March 28-02, 2017. Page 91

Shakoor A, **Kashif M**, Nasir A, Haque SE, Hussain A, Waheed U, Muhammad SA. Comparative Clinical Efficacy of Allopathic, Homoeopathic and Herbal treatment against Foot and

- Mouth Disease in Buffaloes. *International Livestock, Dairy and Poultry Congress* on March 11-12, 2014 at Awan-e-Iqbal Lahore, Pakistan.
- Shakoor A, Hussain A, Nasir A, Muhammad SA, **Kashif M**, Waheed U, Younus M, Iqbal J. Comparative evaluation of allopathic and homeopathic remedy for haematogalactia in dairy lactating buffaloes. *International Livestock, Dairy and Poultry Congress* on March 11-12, 2014 at Awan-e-Iqbal Lahore, Pakistan.
- Hussain A, Iqbal J, Shafiq M, Akhtar A, Shakoor A, **Kashif M**, Nasir A. Genetic and Phenotypic trends for lactation milk yield in Sahiwal Cattle under arid and semi-arid conditions of Pakistan. *International Livestock, Dairy and Poultry Congress* on March 11-12, 2014 at Awan-e-Iqbal Lahore, Pakistan.
- Muhammad SA, Shakoor A, Younus M, Awais MM, Hussain A, **Kashif M**, Kashif MM, Akhtar MS. Surgical rectification of congenital type II atresia ani leading to rectovaginal fistula in two cow calves. *International Livestock, Dairy and Poultry Congress* on March 11-12, 2014 at Awan-e-Iqbal Lahore, Pakistan.
- Iqbal Z, Rahman Z, Akhtar M, Khaliq T, Awais MM, Nasir A, Nadeem **M**, **Kashif**. Effect of oxytocin on serum biochemistry liver enzymes and metabolic hormones in lactating Nili-Ravi buffaloes. *International Livestock, Dairy and Poultry Congress* at Awan-e-Iqbal Lahore, Pakistan on March 11-12, 2014.
- A. Shakoor, A. Hussain, A. Nasir, S. A., Muhammd, **M. Kashif**, and M. Z. Farooq. Effective and Sure indigenous treatment of indigestion in Camel *Swertia chirata* (Cheratta) and *Fumaria parviflora* (Shahtrah). International Camel Conference, Islamia University Bahawalpur, December, 19-21, 2013.
- A. Shakoor, A. Hussain, U. Waheed, S. A., Muhammd, **M. Kashif**, A. Nasir, and S. Raza. A wonderful indigenous treatment of tick infestation in Camel: *Azadirachta indica* (Neem tree). International Camel Conference, Islamia University Bahawalpur, December, 19-21, 2013.
- M. Kashif**, T. Ahmad, A. Shakoor, M. Younus, A. Yousaf, M. Yaqoob, S. A. Muhammad. Comparative efficacy of Enrofloxacin and Oxytetracycline as systemic dry period therapy for the control of bubaline mastitis. 10th World Buffalo Congress, Phuket, Thailand, May 6-7, 2013.

- A. Shakoor., S. A., Muhammd, M. Younas, **M. Kashif**, U. Waheed and A. Hussain. Emphysemated Necrotic Skin disease (Patakha): A newly emerging disease in Buffaloes. 10thWorld Buffalo Congress, Pukhet, Thailand, May 6-7, 2013.
- A. Shakoor., S. A. Muhammd, T. Abbas, **M. Kashif** and A. Hussain. The comparative efficacy of three indigenous plants (*Fumaria parviflora*, *Artemesia maritima* & *Swertia chirata*) alone or in combination for the treatment of toxemia in buffaloes. 10thWorld Buffalo Congress, Pukhet, Thailand, May 6-7, 2013.
- A. Nasir, M. Avais. M.S. Khan, M. Younus, **M. Kashif**, T. Abbas and A Shakoor. Kalvangi (*Nigella sativa*) against cryptosporidium parvum infection and their effect on growth in buffalo calves. 10thWorld Buffalo Congress, Pukhet, Thailand, May 6-7, 2013.
- A. Nasir, M. Ashraf, A Shakoor, M. Adil, T. Abbas, **M. Kashif**, M. Younus Rana and M.P. Reichel. Co-Infection of Water Buffaloes in Punjab, Pakistan with *Neospora caninum* and *Brucella abortus*. Proceedings, International conference on the application of molecular biology in medicine and agriculture at Quaid-i-Azam University, Islamabad, August 20-22, 2013.
- Shakoor Muhammad, S.A. M. Younus, **M. Kashif** and U.Waheed. 2012. Mixed clostridial cutaneous emphysematous Necrosis in Buffaloes- A newly emerging Disease (Pattakha). Proceedings, National Science Conference. Rawalpindi, January 10-12, 2012.
- Muhammad, S.A A. Shakoor. M. Younus, **M. Kashif**, G.Yasein, A.U Khan, A. Khan and M.K.Rafique.2012. Foot Abnormalities in Donkeys in Distric Jhang Proceedings, National Science Conference. Rawalpindi, January 10-12, 2012
- S. A. Muhammad, A.Shakoor, M. Saleem Akhtar, M.Z. Farooq, **M. Kashif**, A.H.Shezad. 2010. Common diseased conditions and managerial practices of Donkeys in D.G.Khan. Proceedings, 30th Pak. Congress of Zoology (international), UA Faisalabad, March 02-04, 2010. Page 32.
- S. A. Muhammad, A.Shakoor, M. Saleem Akhtar, M.Z. Farooq, **M. Kashif**, A.H.Shezad, M.Sajid. 2010. Clinical Mangement of Rectal Prolapse associated with pyometra and use of estrogenic compounds in non-descript buffalo. Proceedings, 30th Pak. Congress of Zoology (international), UA Faisalabad, March 02-04, 2010. Page31
- A.Shakoor S. A. Muhammad, G. Muhammad, A.H.Shehzad, **M. Kashif**, T. Ismail, H.Ali 2010. Caesarean section in eve on account of uterine torsion and rapture. Proceedings, National

conference on utilization of Modern agriculture technology in changing environmental perspective, Rawala kot Uni, July-21-23, 2010.

Shakoor, S. A. Muhammad, I. Zaman and **M. Kashif** 2010. Comparative efficacy of two plants (Fumaria parviflora, Artemisia vulgaris) against Toxicemia in Buffaloes. Proceedings, 30th Pak. Congress of Zoology (international), UA Faisalabad, March 02-04, 2010. CBGP-42, Page25

Shakoor, I. Zaman, S. A. Muhammad, and **M. Kashif** 2010. Comparative efficacy of, Artemisia vulgaris (Afsenteen) and Nigella Sativa (Kalvangi) for the treatment retained placenta in buffaloes. Proceedings, 30th Pak. Congress of Zoology (international), UAFaisalabad, March 02-04, 2010. CBGP-42, Page25

Muhammad, S.AA. Shakoor. M. Younus, **M. Kashif**, G.Yasein, A.U Khan, A. Khan and M.K.Rafique.2012. Foot Abnormalities in Donkeys in Distric Jhang Proceedings, National Science Conference. Rawalpindi, January 10-12, 2012

REFERENCES

1 Prof Dr. M.Younus Rana *Post Doc (USA)*

Eminent Pathologist

Principal,

College of Veterinary and Animal Sciences, Narowal

Sub-Campus *University of Veterinary & Animal Sciences Lahore*

younusrana@uvas.edu.pk. Cell # +92 333-4483593

2 Prof. Dr. Abdul Shakoor PhD (UAF)

Principal

College of Veterinary and Animal Sciences, Jhang

Sub-Campus *University of Veterinary & Animal Sciences Lahore*

Abdul.Shakoor@uvas.edu.pk. Cell#+92 3017116331