



SHAKOOR AHMAD

**Associate Professor, College of Veterinary Sciences, Faculty of Animal Husbandry and Veterinary Sciences, KPK Agricultural University, Peshawar, Pakistan,
Cell: 00923453455456, Email: Shakoor.ahmad@aup.edu.pk**

ACADEMIC QUALIFICATION

Degree	Year	Institution	Division/Grade	Specialization
PhD	2012	Utrecht University Netherlands	Pass	Biological Sciences
MSc	2007	Kingston University London U.K	Distinction	Pharmaceutical Sciences
D.V.M	2002	Sindh Agriculture University Tandojam	1 st Division	Veterinary Sciences
FSc	1995	B.I.S.E Peshawar	1 st Division	Pre-medical group
S.S.C	1992	B.I.S.E Peshawar	1 st Division	Science Group

AWARDS:

- (1) Award of School Of Pharmacy and Chemistry prize from Kingston University London for distinction and excellence in MS (2007).**
- (2) Award of GlaxoSmithKline Prize for best MS Poster at Kingston University London (2007).**
- (3) Winner of Quid-e-Azam Aligarh scholar ship during my study of veterinary sciences.**
- (4) Winner of Biotechnology and biological sciences research council (BBSRC) UK funded PhD project (2008-2012).**
- (5) Winner of best teacher award 2014.**

RESEARCH & EMPLOYMENT HISTORY

2020-till date Agriculture University Peshawar-Department of Animal Health (Pharmacology section)

Currently I am working as Associate Professor at College of Veterinary Sciences, Faculty of Animal Husbandry and Veterinary Sciences

11th July 2012- 2020: Agriculture University Peshawar-Department of Animal Health (Pharmacology section)

During this period I have worked Assistant Professor at College of Veterinary Sciences, Faculty of Animal Husbandry and Veterinary Sciences. I am teaching different subjects to DVM degree Students. Besides

this I am member of the supervisory committee of six MSc (Hons) students of our faculty, helping them in preparing their research synopsis and conducting their research.

1st July 2008 – 30th June 2012: Rothamsted Research UK and Utrecht University Netherlands (Department of biology).

During my multidisciplinary PhD project under supervision by Dr Jurriaan Ton, I have investigated the role of pharmaceutically active secondary defence metabolites (benzoxazinoids) in defence against arthropod pests, pathogen and fungi, and uncovered an entirely novel regulatory function of 2,4-dihydroxy-7-methoxy-2H-1,4-benzoxazin-3(4H)-one (DIMBOA) in the maize immune system controlling cell wall-based defence (recently published in Plant Physiology). In addition, I have provided genetic and phenotypic evidence that these pharmaceutically active defence compounds play a positive role in the recruitment of beneficial bacteria towards maize roots (published in PLOS one).

September 2007 – June 2008: Rothamsted Research UK.

I worked on a project called “The potential to control insects and other organisms by Hydroxamic acids” under supervision of Dr Ruth Gordon-Weeks.

June 2007 – September 2007: Kingston University London.

MSc internship– Assessment of Quality of brands of Diclofenac sodium tablets via HPLC and other pharmacological quality control tests. I developed and validated a method for extraction, identification and quantification of diclofenac sodium in different brands using HPLC under ICH/2QR guidelines. This project was supervised by Dr Reem Kay Ali and Dr Tahir Nazir.

February 2003 – March 2005: Jaffrin Pharmaceutical Labs.

Technical manager at Jaffrin Pharmaceutical Labs with responsibility over a diversity of technical issues in the company.

SKILLS

Scientific techniques:

- Experienced in carrying out drug quality control testing
- Extensive experience in setting up bioassays to study interactions between plants, bacteria, insects and fungi.
- Molecular Biology and Genetics: DNA/RNA isolation, ELISA, quantitative trait loci (QTL) analysis, Real-time quantitative polymerase chain reaction (RT-qPCR) analysis.
- Microscopy: extensive experience with light microscopy and epi-fluorescence microscopy; basic knowledge of confocal laser scanning microscopy scanning electron microscopy (SEM).
- Microbiology: aseptic microbiological techniques, bacterial/fungal isolation and cultivation, bacterial Chemotaxis assays.
- Biochemistry: Specialized in the isolation, identification and quantification of drug obtained from plants. Fully trained and experienced in High performance liquid chromatography, Gas Chromatography, Gas Chromatography- Mass Spectrometry (GC-MS) analysis.
- Pharmacological Sciences: Well versed in Different British Pharmacopoeia (BP) quality control test for commercially available medicines.

Scientific experience: My knowledge of Veterinary Sciences, Pharmaceutical Sciences and Biology has given me a wider comprehension of Biology and allows me to make links between different disciplines that helps me to address fundamental biological questions.

Teamwork: I have successfully undertaken team projects in both academic and non-academic environments.

Communication: I have developed writing skills through literature reviews and articles. I have delivered numerous presentations and reports at both an academic and non-academic occasions.

Time management: I have successfully managed full-time education, part time employment, family and voluntary commitments.

Flexibility: I have studied in Pakistan, the U.K and the Netherlands, which demonstrates my ability and willingness to adapt to new environments and embrace different cultures.

Computer skills: Experienced in Microsoft office, Shimadzu LCsolution software, Galaxie Chromatography workstation version 1.9.3.2, sequence detection software version 1.2.1 (Applied Biosystems), GenStat, Endnote x4, CellP, Adobe Photoshop CS5 and Adobe InDesign CS5.

PERSONAL INTERESTS

- Cricket

Awards:

- Leading bowler in 2010 for Saracens Hertfordshire Cricket league (Division 9), UK.
- Player of the year for Rothamsted Cricket club UK in 2008 and 2010.

- Pets
- Cooking

CONFERENCES/SYMPOSIUMS ATTENDED

United Kingdom

- Vitae East of England Hub Regional Poster Competition 4th December 2008 Cambridge.
- PhD symposium Rothamsted Research 2 & 3 March 2009, Harpendon.

Poster presentation "Natural variation in defence responsiveness among Arabidopsis accessions"

- PhD symposium Rothamsted Research 4 & 5 March 2010, Harpendon.

Two minute oral presentation with poster "Exploring and exploiting natural variation in defence responsiveness between Arabidopsis accessions"

- PhD symposium Rothamsted Research 4 & 5 March 2011, Harpendon.

Oral presentation "Plant basal resistance: Genetics, Biochemistry and Impacts on plant-biotic interactions"

- Royal Society Pfizer Award Seminar, 18 October 2011, London.

Belgium

- 61th International Symposium on Crop Protection 19th May 2009, Ghent.

Poster presentation "Natural variation in defence responsiveness among Arabidopsis accessions"

Holland

- 5th Utrecht PhD Summer school on Environmental Signaling, 24-26 August 2009 Utrecht.

- ALW Platform Molecular Genetics, Annual Meeting October 15 & 16, 2009 'De Werelt' in Lunteren.
- 4th plant-insect workshop 11th November 2009, Utrecht University, Utrecht.

S.#	Publication	IF
1	Ahmad S , Gordon-Weeks R, Pickett J, Ton J. 2010 . Natural variation in priming of basal resistance: from evolutionary origin to agricultural exploitation. <i>Molecular Plant Pathology</i> 11(6), 817-827.	4.06
2	Ahmad S , Van Hulten M, Martin J, Pieterse CMJ, Van Wees SCM, Ton J. 2011 . Genetic dissection of basal defence responsiveness in accessions of <i>Arabidopsis thaliana</i> . <i>Plant, Cell & Environment</i> 34(7): 1191-1206.	5.74
3	Ahmad S , Veyrat N, Gordon-Weeks R, Lasley S, Martin J, Fray M, Erb M, Gaëtan G and Ton J. 2011 . Benzoxazinoid Metabolites Regulate Innate Immunity against Aphids and Fungi in Maize. <i>Plant Physiology</i> 157: 317-327.	7.01
4	Neil A, Ahmad S , Gordon-Weeks R, Ton J. 2012. Benzoxazinoids in root exudates of maize attract <i>Pseudomonas putida</i> to the rhizosphere. <i>PLoS ONE</i> 7(4): e35498.	4.53
5	Ullah N, Khan M A, Ali H, Altaf N, Ahmad S , Ahmed G and Din M. 2011 . Importance of white flowered <i>Mirabilis jalapa</i> with respect to its phytochemical and antimicrobial screening. <i>African Journal of Pharmacy and Pharmacology</i> 5(24), 2694-2697.	0.87
6	Elek H, Smart L, Martin J, Ahmad S , Gordon-Weeks R, Welham S, Nádasy M, Pickett JA, Werner CP (2013) The potential of hydroxamic acids in tetraploid and hexaploid wheat varieties as resistance factors against the bird-cherry oat aphid, <i>Rhopalosiphum padi</i> . <i>Annals of Applied Biology</i> 162: 100-109	2.18
7	Elek, H., Smart, L., Martin, J., Ahmad, S. , Gordon-Weeks, Anda, A., Welham, S., R., Pickett, J. and Werner, P. (2013) : Hydroxamic acids in <i>Aegilops</i> species and effects on <i>Rhopalosiphum padi</i> behaviour and fecundity. <i>Bulletin of Insectology</i> . <i>Bulletin of Insectology</i> 66 (2) 213-220.	0.91
8	Elek, H., Smart, L., Ahmad, S. , Anda, A., Werner, C.P. and Pickett, J.A. (2014) : A comparison of the levels of hydroxamic acids in <i>Aegilops speltoides</i> and a hexaploid wheat and effects on <i>Rhopalosiphum padi</i> behaviour and fecundity. <i>Acta Biologica Hungarica</i> . 65. (1)	0.62
9	Hamayoun Khan, Misri Rind, Shakoor Ahmad , Usman Mehmood, Asad Sultan, Qaisar Shahzad, Sanan Raza, Saleem Khan. (2015) . Gross morphometric features of epididymis in adult male Pakistani goat. <i>Pakistan Journal of Zoology</i> . Vol.47 (2): 574-578.	0.41
10	Muhammad Ubaidullah Qureshi, Muhammad Subhan Qureshi, Rajwali Khan, Abdur Rahman, Syed Muhammad Sohail, Asim Ijaz, Ijaz Ahmad, Shakoor Ahmad , Mohammad Shoail and Abdul Basit (2016) . Relationship of blood metabolites with reproductive cyclicity in dairy cows. <i>Indian Journal of Animal Research</i> <i>Indian J. Anim. Res.</i> , 50 (3)338-348	0.09
11	S. Khan, S. Naz, A. Sultan, I.A. Alhidry, M.M. Abdelrehman, R.U. Khan, N.A. Khan, M.A. Khan and S. Amad (2016) . Worm meal: a potential source of alternative protein in poultry feed. <i>World's Poultry Science Journal</i> 72 (01) 93-102.	0.97
12	S. Naz, M. Idris, M.A. Khalique, Zia-Ur-Rehman, I.A. Alhidry, M.M. Abdelrehman, R.U. Khan, N. Chand, U. Farooq and S. Amad (2016) . The activity and use of zinc in poultry diets. <i>World's Poultry Science Journal</i> : 72 (01) 159-167.	0.97

13	Muhammad Tariq , Amir Bukhsh Kalhoro , Mian Saeed Sarwar, Hamayun Khan , Shakoore Ahmad , Sayed Mubashir Hassan and Arshad Zahoor (2016) Effects of medetomidine on serum glucose in cattle calves Pak. J. Pharm. Sci., 29 (3) 941-944.	0.68
14	Abdul Wahab, Hamayun Khan, Shakoore Ahmad , Muhammad Subhan Qureshi, Muhammad Younas, Sirzamin Khan, Umar sadique and Muhammad Kamal Shah (2016) . Biochemical profile of local Rabbits (<i>Oryctolagus cuniculus</i>) during successful pregnancy under system. Pakistan J. Zool., 48 (3), 625-630, 2016.	0.47
15	Ikramullah Khan, 1 Muhammad Subhan Qureshi, Shakoore Ahmad , Sohail Akhtar, 1 Hamayun Khan and Ghufuranullah (2016) Effect of Lactation and Breed on Reproductive Cyclicity Under Various States of Oxidative Stress in Dairy Cattle Breeds” Pakistan J. Zool., vol. 48(5), pp. 1431-1441.	0.47
16	Muhammad Kamal Shah, Umer Saddique, Shakoore Ahmad , Aqib Iqbal, Abid Ali, Waseem Shahzad, Sayyar Khan, Muhammad Israr, Said Sajjad Ali Shah, Hanif ur Rehman (2017) . Molecular characterization of local isolates of <i>Mycoplasma capricolum</i> sub specie <i>capripneumoniae</i> in goats (<i>Capra hircus</i>) of Khyber Pakhtunkhwa, Pakistan. Pak Vet J, 37(1): 90-94	0.86
17	Rafiullah Jan, Umer Sadique, Zahoor Ul Hassan, Kamran Farid, Shakoore Ahmad , Sarzamin Khan and Hayatullah Khan (2017) . Toxicopathological and Reproductive Effects of Concurrent Oral Administration of Ochratoxin A and Endosulfan in Pregnant Rabbits (<i>Oryctolagus cuniculus</i>).. Pak Vet J, 37(1): 19-24.	0.86
18	Haji Gul, Sarzamin Khan , Zahir Shah, Shakoore Ahmad , Muhammad Israr, Munib Hussian (2017) . Effects of Local Sodium Bentonite as Aflatoxin Binder and Its Effects on Production Performance of Laying Hen. Kafkas Univ Vet Fak Derg 23 (1): 31-37. DOI: 10.9775/kvfd.2016.15714.	0.41
19	Riaz ud Din, Sarzamin Khan, Naila Imtiaz, Saima Aslam, Shakoore Ahmad , Hamayun Khan, Maswood Rabbani, Javed Muhammad, Zafar Iqbal Tanveer, Sakhawat Ali (2017) . Study on quality and efficacy of commercial tylosin and doxycycline products against local isolates of mycoplasma in broilers. Pak. J. Pharm. Sci., 30 (2), 541-549.	0.68
20	Muhammad Kamal Shah , Umer Saddique , Shakoore Ahmad , Yousaf Hayat , Sadeeq ur Rahman , Mohammad Farooque Hassan , Tariq Ali (2017) . Isolation rate and antimicrobial susceptibility profiles of <i>Mycoplasma mycoides</i> subspecies capri field isolates from sheep and goats in Pakistan. Small Ruminant Research 153 (2017) 118–122.	1.08
21	Hamayun Khan, Momen Khan, Muhammad Subhan Qureshi, Shakoore Ahmad , Ali Gohar, Hameed Ullah, Farman Ullah, Arab Hussain, Pershotam Khatri, Said Sajjad Ali Shah, Hamid Rehman and Azmatullah Khan (2017) . Effect of Green Tea Extract (<i>Camellia sinensis</i>) on Fertility Indicators of Post-Thawed Bull Spermatozoa. Pakistan J. Zool., Vol. 49, Iss. 4, pp 1243-1249.	0.47
22	Muhammad Adnan, Hamayun Khan, Jam Kashif, Shakoore Ahmad , Ali Gohar, Amjad Ali, Muhammad Atif Khan, Said Sajjad Ali Shah, Mohammad Farooque Hassan, Muhammad Irshad, Nazir Ahmad Khan and Sadeeq ur Rahman (2017) . Clonal Expansion of Sulfonamide Resistant <i>Escherichia coli</i> Isolates Recovered from Diarrheic Calves (2017). Pak Vet J, 37(2): 230-232	0.86

	Hammad Ullah, Rifat Ullah Khan, Muhammad Mobashar, Shakoor Ahmad , Abdul Sajid, Naimat Ullah Khan, Tahir Usman, Irfan Khattak & Hamayun Khan (2019). Effect of yeast-based selenium on blood progesterone, metabolites and milk yield in Achai dairy cows. ITALIAN JOURNAL OF ANIMAL SCIENCE. 18 (1) 1445–1450.	
	Tahir Shah, Azmat Hayat, Zahir Shah, Ayub Jadoon, Shakoor Ahmad and Sher Bahadur (2017). Molecular detection of multidrug resistant tuberculosis in MDR-TB patient attendants in North western Pakistan. Pakistan.Pak Armed Forces Med J: 67 (6): 982-87	
	Mumtaz Ali Khan, Sher Bahadar Khan, Shakoor Ahmad, Irshad Ahmad, Ikramul Haq, Kashif Prince, Asad Ullah, Muhammad Shoab, Shahid Zaman, Amjad Islam Aqib, Ghazunfar Rashid, Mahboob Ali, Imdad Ullah Khan, Imad Khan, Naimat Ullah and Muhammad Shahid (2019). Effect of Vitamin E Supplementation on Humoral Immunity Following the Administration of Enterotoxaemia Vaccine in Goats. Pak Vet J, 51(6), 2377-2379,	1
	Sadeeq ur Rahman, Shakoor Ahmad and Imad Khan (2019). Incidence of ESBL-Producing-Escherichia coli in Poultry Farm Environment and Retail Poultry Meat. Pak Vet J, 39(1): 116-120	1
	Khan H, Khan FA, Sadique U, Ahmad S, Hassan ZU, Ahmad F, Ahad A, Shah M, Ahmad I, Shah Z, Rehman ZU (2019). Genotoxic and toxicopathological effect of aflatoxin B1 in grass carp (Ctenopharyngodon idella). Kafkas Univ Vet Fak Derg 25 (6): 841-848	.4
	Mumtaz Ali Khan, Sher Bahadar Khan, Shakoor Ahmad, Irshad Ahmad, Kashif Prince, Ghazunfar Rashid, Mahboob Ali, Imdad Ullah Khan, Asad Ullah, Naimat Ullah, Muhammad Shoab and Said Sajjad Ali Shah, 2020. Variation in Physiological Biomarkers with Different Clostridium perfringens Isolate Infections in Balkhi Sheep. Pakistan J. Zool., 52: 2121-2127.	0.47
	Arshad Zahoor, Chao Yang, Yaping Yang, Muhammad Akhtar, Talha Umar, Murad Ali Khan, Shakoor Ahmad, Ganzhen Deng, Meng-yao Guo (2020). MerTK negatively regulates Staphylococcus aureus induced inflammatory response via SOCS1/SOCS3 and Mal. Immunobiology. 225 (2020) 151960	2
	Tasbihullah , Sadeeq ur Rahman, Tariq Ali , Umer Saddique , Shakoor Ahmad, Muhammad Shafiq, Sultan Ayaz, Hamayun Khan, Ijaz Ahmad, Asadullah, Raheela Taj, Hafiz Nidaullah and Alamgir Khan (2020). High Occurrence Rate of Multidrug-Resistant ESBL-Producing E. coli Recovered from Table Eggs in District Peshawar, Pakistan. Pakistan J. Zool., vol. 52(4), pp 1231-1238.	0.47
	Zahir Shah, Shakoor Ahmad, Ijaz Ahmad, Taif Shah, Farhan Anwar Khan, Haq Amanullah. (2021). Antinociceptive, physiologic and biochemical effects of electroacupuncture combined with xylazine in hybrid goats. Veterinary Anaesthesia and Analgesia 48 (5), 671-678	2
	Adnan Khan, Rifat Ullah Khan, Muhammad Subhan Qureshi, Muhammad Mobashar, Ali Gohar, Shakoor Ahmad, Kamran Khan, Hamayun Khan and Shabana Naz. (2021) Effects of Different Equilibration Times on Post-Thaw Cryopreserved Semen Quality of Cattle and Buffalo Bulls. Pakistan J. Zool., Vol. 53, Iss. 2, pp 613-618.	0.47
	Mumtazur Rahman, Farhan Anwar Khan, Umar Sadique, Ijaz Ahmad, Shakoor Ahmad, Faisal Ahmad, Hayatullah Khan, Muhammad Saeed, Faiz Ur Rehman, Ibrar Hussain, M. Faraz Khan, M. Izhar ul Haque and Hanif-ur-Rehman (2021). In-vitro Susceptibility of Mycoplasma capricolum Subsp. capripneumoniae Pakistan Strain to Commercially Available Quinolones. Pakistan J. Zool., Vol. 53, Iss. 2, pp 409-415	0.47

--	--	--

Oral presentation “Natural variation in priming for enhanced defence in Arabidopsis”

- PhD Summer School Rhizosphere Signalling, 22-26 August 2010, Wageningen.

Oral presentation “Role of Benzoxazinones in plant-rhizobacteria interactions in maize”

- 6th Utrecht PhD Summer school on Environmental Signaling, 22-24 August 2011 Utrecht.

Poster presentation “Plant basal resistance: Genetics, Biochemistry and Impacts on plant-biotic interactions”

Switzerland

- PR-proteins and induced resistance against pathogens and insects Joint International Workshop, 4-8 September 2011, Neuchatel.

Poster presentation “Plant basal resistance: Genetics, Biochemistry and Impacts on plant-biotic interactions”

SCIENTIFIC REVIEWER/EDITOR

- Pakistan Journal of Zoology.
- International Journal of Agro Veterinary & Medical Sciences.
- Section editor Journal of Meat Science and Public Health

LANGUAGES

English, Urdu, Pashto.

COUNTRY VISITED

United Kingdom, Belgium, France, Netherlands, Switzerland, Syria, UAE, Jordan

PROFESSTIONAL MEMBER

- Member of Pakistan Veterinary Medical Council

PUBLICATIONS (impact factor)

RESEARCH PROJECT WON

1. Isolation, identification and testing of pharmaceutically active antimicrobial metabolites from white flower plant *Mirabilis jalapa* Funding agency HEC (PI) (2015 Total Funds= .047 M)
2. Physico-Chemical Effects of Acupuncture Combined with Morphine and Clonidine Drugs to Provide Analgesia in Goats. Funding agency PSF (NSLP). Co PI (2017 Total Funds= 1.8 M)
3. Physico-Chemical Effects of Acupuncture Combined with Alpha₂-agonist Drugs To Provide Analgesia in Goats. Funding agency HEC (Co-PI) (2017 Total Funds= .048 M)

RESEARCH PROJECTS SUBMITTED

1. Exploring the role of hydroxamic acids against bacterial and fungal diseases of commercial poultry birds. Submitted to HEC (PI)

2. Towards antibiotic free treatment: characterization and efficacy of local indigenous medicinal plants against antibiotic resistant bacterial pathogens of animals. Submitted to HEC (PI)
3. PK/PD model for dose optimization of Cefquinone against *Pasterella multoceda* causing hemorrhagic septicaemia in buffalo calf. Submitted to PARC (ALP) Co PI.

COORDINATOR AND OTHER RESPONSIBILITIES

1. Internship Coordinator Final Year DVM
2. Coordinator 3RD YEAR DVM
3. Faculty focal person for PVMC
4. Staff Proctor
5. Departmental Focal person for QEC
6. Member of faculty ethical committee
7. Member of departmental disciplinary committee
8. Member of selection committee, Shaheed Benazir Bhutto Woman University Peshawar.
9. External examiner Islamia collage University Peshawar
10. External examiner Kohat University of science and technology Kohat
11. External examiner Gomal University D.I.Khan.

Conference/ workshop Organised

1. 3rd International workshop on Dairy Science Park, 2015, University of Agriculture Peshawar.
2. One day awareness workshop/walk on Rabies 28th September 2016.
3. One day workshop on transboundary animal diseases.
4. 30 days training for community animal health worker from 12 Feb to 13 March 2017.
5. Career development workshop for outgoing DVM students, 2014
6. Career development workshop for outgoing DVM students, 2015

COURSE TAUGHT (2014-17)

DVM (Doctor of Veterinary Medicine)

1. General Pharmacology and Pharmaceutics
2. Systemic Pharmacology and Therapeutics
3. Chemotherapy and Toxicology
4. Lab and Zoo Animal Management
5. Technical Report writing

MPhil Animal Health

1. Oncology
2. Immunopathology

PhD Animal Health

1. Oncology
2. Immunopathology

MEMBER OF SUPERVISORY COMMITTEE OF MPHIL STUDENTS

Sr. #	Name of Student	Department	Thesis Title
01	Anam Javed	Animal Health	Antimicrobial & histopathological response of <i>Mirabilis Jalapa</i> methanolic extract in broilers
02	Faisal Ahmad	Animal Health	Study on toxicopathological effect of ochratoxin A in different species of birds
03	Muhammad Asfandyar Khan	Animal Health	Study on prevalence of drug resistant <i>E.coli</i> in bovine mastitis & human population at district Peshawar
04	Arshia Juniad	Animal Health	Use of α -Tocopherol: a strategy to combat ochratoxins A induced toxicities in avian embryos & hatched chicks
05	Subhanullah	Animal Health	Therapeutic effect of Azadirachta indica, Circuma longa & Calotropis procera herbal extract in broiler chicken challenged with coccidian
06	Tasbihullah	Animal Health	Table chicken eggs as potential source of drug resistant Escherichia coli at district Peshawar
07	Hayatullah Khan	Animal Health	Toxicopathological effect of aflatoxin B1 in common Carp (<i>Cyprinus carpio</i>)
08	Nazeer Muhammad	Animal Health	Investigation into the origin, persistence & spread of drug resistant Escherichia Coli in broiler chicken of Peshawar Region
09	Sagheer Ahmad	Animal Health	Role of mycoplasma bovis and S.auris in mastitis and its antibiogram in dairy animals of district Peshawar.
10	Fareeda Tahir	Animal Health	STUDY THE PATHOGENESIS AND SELECTION OF EFFECTIVE ANTIBIOTIC FOR AVIAN MYCOPLASMOSIS
11	Saima Aslam	Poultry Science	HPLC analysis of Anticoccidial drug residues on poultry meat and eggs.

12	Muhammad Riaz	Poultry Science	A study on quality and efficacy of some commercially available poultry antimicrobials (Tylosin and Doxycycline) in Peshawar
13	M Alam	Poultry Science	A study on quality and efficacy of some commercial brands of poultry antibiotics in broilers.
14	Sajjad Khan	Poultry Science	Evaluation of Amprololum and Toltrazoril through HPLC and their comparative in-vitro study.
15	Sardar Ali	LM and ABG	Comparative analysis of heavy metals in beef and mutton at Swat.
16		LM and ABG	level of passive immunity transfer in new born calves through natural and treated colostrum
17	Kamran Khan	Poultry Science	<i>In vitro</i> and <i>In vivo</i> therapeutic studies of <i>allium cepa</i> (onion) against local isolates of <i>mycoplasma gallisepticum</i>
18	Asghar Khan	LM and ABG	Determination of lactoperoxidase enzyme level and its antimicrobial effects in the milk of different cattle breeds

Conference proceeding 3rd International workshop on dairy science park 2015

1. COMPARATIVE STUDY OF IMMUNOLOGICAL AND ANTICOCCIDIAL ACTIVITIES OF DIFFERENT MEDICINAL PLANTS USING VARIOUS FEEDING REGIMES IN BROILER CHICKS Sajid ur Rehman, Sarzamin Khan, Ikramullah Khan , Fawad ur Rehman , Muhammad Kamal Shah and Shakoor Ahmed
2. COMPARATIVE EFFECT OF MILK REPLACER ON HOLSTEIN FRISIAN CALF GROWTH AND ECONOMICS Fasih-Ud-Din Qureshi , Hamayun Khan , Shakoor Ahmad , Farhatullah Khan , Muhammad Subhan Qureshi , Shuaib Sultan4 , Muhammad Saleem Khan4 and IhsanUllah ,
3. THE INCIDENCE OF THE TICK BORNE HEAMOPROTOZOAN DISEASES IN CROSSBRED CATTLE IN AND AROUND PESHAWAR M.Tufail1; Ihsanullah; Hamayun Khan ; Shakoor Ahmad , Muhammad Saleem Khan , Farhatullah Khan
4. ANTIBACTERIAL ACTIVITY OF LEAF EXTRACTS OF AZADIRACHTA INDICA (NEEM) AGAINST MYCOPLASMA PUTREFACIENS Muhammad Kamal Shah , Umer Saddique , Zahoor UI Hassan , Shakoor Ahmad , Hamayun Khan , Muhammad Tariq Sajjad Ali Shah , Hanif Ur Rehman , Mushtaq Ahmad Farida Tahir
5. ANTIMYCOPLASMAL ACTIVITY OF CALOTROPIS PROCERA AGAINST LOCAL ISOLATES OF MYCOPLASMA MYCOIDES SUB SPECIE CAPRI IN KHYBER PAKHTUN KHWA, PAKISTAN. Muhammad Kamal Shah , Umer Saddique , Shakoor Ahmad , Zahoor UI Hassan , Abdul Jabbar Tanwir , Hamayun Khan , Said Sajjad Ali Shah , Hanif Ur Rehman , Shakir Ullah , Hayat Ullah

6. COMPARATIVE STUDY OF DNA EXTRACTION PROTOCOLS FOR MYCOPLASMA SPECIES Muhammad Kamal Shah , Umer Saddique , Muhammad Subhan Qureshi , Shakoor Ahmad , Zahoor Ul Hassan , Sadique-ur-Rehman , Hamayun Khan , Hanif Ur Rehman Sajjad Ali Shah
7. IN VITRO ANTIMICROBIAL SUSCEPTIBILITY OF MYCOPLASMA GALLISEPTICUM LOCAL ISOLATES Farida Tahir, Shakoor Ahmad, Umar Saddique, Zahoor ul Hassan, Kamal Shah, Hamayun Khan and Said Sajjad Ali Shah
8. HEMATOLOGICAL AND SEROLOGICAL PROFILE OF GOATS AFFECTED WITH CONTAGIOUS CAPRINE PLEUROPNEUMONIA IN NORTHERN DISTRICTS OF KHYBER PAKHTUNKHWA Said Sajjad Ali Shah , Umer Saddique , Muhammad Subhan Querishi , Zahoor Ul Hassan , Shakoor Ahmad , Hamayun khan , Muhammad Kamal Shah , Hanif ur Rahman , Adnan khan.
9. BIOCHEMICAL PROFILE OF ISOLATES OF MYCOPLASMA FROM FIELD OUTBREAK IN KHYBER PAKHTUNKHWA Said Sajjad Ali Shah , Umer Saddique , Zahoor Ul Hassan , Shakoor Ahmad , Abdur Rahman , Hamayun khan1 , Muhammad Kamal Shah1 , Hanif ur Rahman
10. STUDY ON QUALITY AND EFFICACY OF COMMERCIAL AMOXICILLIN AND COLISTIN PRODUCTS AGAINST LOCAL ISOLATES OF E.COLI AND SALMONELLA IN BROILERS Mohammad Alam, Sarzamin Khan , Shakoor Ahmad , Naila Chand , Zahoor ul Hassan and Asad Ahmad
11. SEROLOGICAL DETECTION OF RESPIRATORY DISEASES OF POULTRY IN NORTHERN PAKISTAN Murad Ali Khan, Sarzamin Khan Shakoor Ahmad and Zahir Shah.
12. A STUDY ON PRESCRIPTION PATTERN OF VETERINARY DRUGS IN SELECTED AREAS OF KHYBER PAKHTUNKHAWA Mehwish Malik, Shakoor Ahmad*, Umer Siddique, Murad Ali Khan, Hamayoun Khan and Zahoor Ul Hassan.