

## CURRICULUM VITAE

### PERSONAL INFORMATION

**Name:** DR. AFTAB AHMAD ANJUM  
**E-Mail:** aftab.anjum@uvas.edu.pk  
**Cell:** +92 300 725 9445



### PROFESSIONAL INFORMATION

**Designation:** Professor (Tenured)  
**Department:** Institute of Microbiology  
**University/Organization:** University of Veterinary & Animal Sciences, Lahore.  
**Phone (off):** 042-99213709 Ext: 203  
**Office Address:** Institute Of Microbiology, Faculty of Veterinary Science, UVAS, Lahore

### AREA OF INTEREST

Virology, Bacteriology and Mycology

### QUALIFICATION

<b>Degree</b>	<b>Year</b>	<b>Subject</b>	<b>Institution</b>
<b>Ph. D</b>	2004	Microbiology	University Of Agriculture, Faisalabad
<b>M. Phil</b>	1996	Microbiology	University Of Agriculture, Faisalabad
<b>DVM</b>	1994	Doctor of Veterinary Medicine (DVM)	University Of Agriculture, Faisalabad
<b>Intermediate</b>	1989	Pre-Medical	Govt. Degree College, Jaranwala
<b>Matriculation</b>	1987	Science	Govt. High School, Jaranwala

### RESEARCH

<b>DEGREE</b>	<b>TITLE</b>	<b>INSTITUTION</b>	<b>SUPERVISED BY</b>
M.Sc.(Hons) Microbiology	POLYPEPTIDE MAPPING OF INFECTIOUS BURSAL DISEASE VIRUS	University of Agriculture Faisalabad.	Prof. Dr. Iftikhar Hussain
PhD Microbiology	CONTROL OF INFECTIOUS BURSAL DISEASE USING SUBUNIT VACCINE (S)	University of Agriculture Faisalabad.	Prof. Dr. Iftikhar Hussain

## Whole-time employment / experience / service

Name of Post held	Name of the Institution where Employed	Federal or Provincial Govt. / Autonomous or Private	Permanent / temporary / Contract / Adhoc	BPS	Monthly Salary	Duration		Cause of leaving	Brief Description
						From	To		
Veterinary Officer, Bahawalpur	L & DD, Punjab	Provincial	Permanent	17	3850	23-9-98	10-8-2001	-----	Treatment & extension work for livestock
Veterinary Officer, Bahawalpur	L & DD, Punjab	Provincial	Permanent	17	3850	11-8-2001	8-1-2003	-----	Extra ordinary leave without pay
Veterinary Officer, Hafizabad	L & DD, Punjab	Provincial	Permanent	17	6870	9-1-2003	3-5-2006	Selection as Assistant Professor	Teaching and Research
Assistant Professor	UVAS, Lahore	Autonomous	Permanent	18	22850	4-5-2006	15-7-2010	Selection as Associate Professor	Teaching and Research
Associate Professor	UVAS, Lahore	Autonomous	Permanent	20	44485	16-7-2010	10-3-2014	Selection as Professor	Teaching and Research
Professor	UVAS, Lahore	Autonomous	Permanent	21	76400	11-3-2014	15-6-2017	Selection as Professor (TTS)	Teaching and Research
Professor	UVAS, Lahore	Autonomous	Permanent	21	76400	15-6-2017	To date		Teaching and Research

## Professional Services Rendered

Sr. No.	Period		Designation	Subject	Institution
	From	To			
01	06-09-2021	Cont.	Warden	City Campus	University of Veterinary and Animal Sciences, Lahore
02	12-6-2016	15-6-2017	Chairman	Department of Microbiology	University of Veterinary and Animal Sciences, Lahore
03	15-9-2015	15-6-2017	Warden	City Campus	University of Veterinary and Animal Sciences, Lahore
04	21-10-2013	15-9-2015	Principal Officer	Transport	University of Veterinary and Animal Sciences, Lahore
05	3-10-2012	15-6-2017	Chairman	Sports Board	University of Veterinary and Animal Sciences, Lahore
06	1999	2000	Consultant	Poverty alleviation and study on drought in Cholistan	Bahawalpur Rural Development Project (BRDP), Bahawalpur
07	13-4-1999	14-1-2001	VO, Publicity	Radio, Bahawalpur	L&DD, Bahawalpur, Punjab

**PUBLICATIONS:**

**Total Impact Factor:** **265.852**

**RESEARCH PAPERS**

Sr. No.	Title	Impact Factor
1.	Sana S., A. A. Anjum and A. A. Sheikh, 2023. Role of Microbial Factory in Starch Based Industries and Different Approaches for Enhanced Production of Amylases. Pak. J. Sci. Ind. Res. Ser. B: Biol. Sci. 66B (2) 146-153.	0.00
2.	Saher U., M. O. Omer, A. Javeed, A. A. Anjum, K. Rehman, T. Awan, G. Saleem and A. Mobeen, 2023. Functional Studies of Cytogenotoxic Potential of Laticifer Proteins of <i>Calotropis procera</i> against Viral Disease. <i>ACS Omega</i> 7119-7127. DOI: 10.1021/acsomega.2c08102.	4.1
3.	Asghar M. U., <b>A. A. Anjum</b> , M. Rabbani, M. A Khan, M. A. Ali and S. Azeem, <b>2023</b> . A commercial monovalent canine parvovirus vaccine performs better than a commercial combination vaccine in puppies. <i>J Hellenic Vet Med Soc</i> , 73 (4): 4827-4832. doi: 10.12681/jhvms.27960	0.4
4.	Ain Q., A. Ahmad, <b>A. A. Anjum</b> and M. Chaudhry, <b>2023</b> . Transmissibility of H9 Subtype of Avian Influenza Virus in vaccinated and non-vaccinated broiler chicken exposed to experimentally challenged birds. <i>J. Anim. Plant Sci.</i> , 33(5): <a href="https://doi.org/10.36899/JAPS.2023.5.0716">https://doi.org/10.36899/JAPS.2023.5.0716</a> .	0.7
5.	Tariq N., S. Rahman, M. T. Javed, <b>A. A. Anjum</b> , H. Z. Manzoor, M. H. Ahmed and A. Tariq, <b>2023</b> . Antibiotic resistance and molecular detection of nuc and mecA genes of <i>Staphylococcus aureus</i> isolated from mastitic milk. <i>Agri Sci J.</i> 5-(1):17-24. <a href="https://doi.org/10.56520/asj.v5i1.235">https://doi.org/10.56520/asj.v5i1.235</a>	0.00
6.	Recent Global Trends in Vaccinology, Advances and Challenges, 2023. Aqib, A. I., <b>A. A. Anjum</b> , M. A. Islam, A. Murtaza, and A. Rehman Aqib, <b>2023</b> . <i>Vaccines</i> 11, 520. <a href="https://doi.org/10.3390/vaccines1103052">https://doi.org/10.3390/vaccines1103052</a> .	7.8
7.	Tariq M., <b>A. A. Anjum</b> , A. A. Sheikh, A. R. Awan, M. Nawaz, M. M. K. Sattar, T. Ali, <b>2023</b> . <i>Clostridium perfringens</i> toxinotype A molecular typing and alpha toxin production kinetics under dynamic nutritional requirements. <i>J. of Animal and Plant Sciences.</i> 32(6): 1731-174. <a href="https://doi.org/10.36899/JAPS.2022.6.0581">https://doi.org/10.36899/JAPS.2022.6.0581</a> .	0.7
8.	Naz G., <b>A. A. Anjum</b> , M. Nawaz, S. Iqbal, T. Ali and R. Manzoor, <b>2023</b> . Cinnamomum verum essential oils are effective against Ochratoxin A-producing <i>Aspergillus parasiticus</i> in stored wheat, maize and rice at various moisture levels. <i>PJOES.</i> 32 (1): 667-676. DOI: <a href="https://doi.org/10.15244/pjoes/155084">https://doi.org/10.15244/pjoes/155084</a> . ( <b>I.F.= 1.871</b> )	1.871
9.	Naz G., A. A. Anjum, T. Ali, M. Nawaz, S. Iqbal, M. Abbas and R. Manzoor, 2023. Molecular Characterization of Ochratoxin A Producing Indigenous <i>Aspergillus</i> Strains from Poultry Feed in Pakistan. <i>Sains Malaysiana.</i> 52(3): 821-835. <a href="http://doi.org/10.17576/jsm-2023-5203-11">http://doi.org/10.17576/jsm-2023-5203-11</a> . ( <b>I.F.= 1.006</b> )	1.006
10.	Sattar M. M. K., <b>A. A. Anjum</b> , Y. F. Chan, T. Yaqub, A. Aslam and T. Ali, <b>2023</b> . Molecular Characterization and Toxins Optimization of Indigenous <i>Clostridium perfringens</i> Toxinotype B Isolated from Lamb Dysentery Clinical Cases. <i>Kafkas Univ Vet Fak Derg</i> , 29 (1): 79-89. DOI: 10.9775/kvfd.2022.28738. ( <b>I.F.= 0.70</b> )	0.70
11.	Ali T., <b>A. A. Anjum</b> , A. Sarwar, M. M. K. Sattar, M. Tariq and R. Manzoor, <b>2023</b> . Activity Of <i>Eucalyptus Globulus</i> Essential Oil Fractions Against Antibiotic Resistant <i>Enterococcus Faecium</i> Isolated From Diarrheic Sheep. <i>J. of Animal and Plant Sciences</i> 33(3): 666-674. <a href="https://doi.org/10.36899/JAPS.2023.3.0659">https://doi.org/10.36899/JAPS.2023.3.0659</a> . ( <b>I.F.= 0.70</b> )	0.70
12.	Asghar F., S. Muhammad, <b>A. A. Anjum</b> , T. Ali, A. S. Asghar, S. Naureen and R. Manzoor, <b>2023</b> . Multi-drug resistance pattern of bacterial isolates from urinary tract infection: Pak. J. Pharmaceutical Sci. 36(4): 1107-1112. doi.org/10.36721/PJPS.2023.36.4.REG.1107-1112.1. ( <b>I.F.= 0.863</b> )	0.863
13.	Tariq M., <b>A. A. Anjum</b> , T. Ali and M. M. K. Sattar, <b>2023</b> . Characterization of quinolones resistant <i>Clostridium perfringens</i> toxinotype D. Pak. J. Pharmaceutical Sci. 36(4): 1203-	0.863

	1209. doi.org/10.36721/PJPS.2023.36.4.REG.1203-1209.1. (I.F.=0.863)	
14.	Naz G., <b>A. A. Anjum</b> , T. Ali, M. Nawaz, S. Iqbal and R. Manzoor, <b>2023</b> . Activity of plant essential oils using different substrates of varied moisture levels against Ochratoxin A producing <i>Aspergillus ochraceus</i> . J. of Animal and Plant Sciences. 33 (5): ..... <a href="https://doi.org/10.36899/JAPS.2023.5.0705">https://doi.org/10.36899/JAPS.2023.5.0705</a> . (I.F.=0.70)	<b>0.70</b>
15.	Najeeb I., M. Ahmad, <b>A. A. Anjum</b> , A. Maqbool, M. A. Ali, M. Nawaz, T. Ali and R. Manzoor, <b>2023</b> . Optimization of physicochemical factors for indigenous microalgae isolation. J. of Animal and Plant Sciences. (I.F.=0.70)	<b>0.70</b>
16.	Majeed R., I Zahoor, <b>A. A. Anjum</b> , M. Ali and A Basheer, 2023. Identification of single nucleotide variant in Mx1 gene associated with antibody response to Avian Influenza virus in Aseel chickens. J. Hellenic Vet. Med. Soci. 74(3): doi: 10.12681/jhvms.30940	<b>0.4</b>
17.	Sehar U., M. O. Omer, A. Javeed, A.A Anjum, K. Rehman, T. Awan, 2023. Soluble laticifer proteins from <i>Calotropis procera</i> as an effective candidates for antimicrobial therapeutics. Saudi J. Biol. Sci. 30(6): doi.org/10.1016/j.sjbs.2023.103659. (I.F.= 4.4)	<b>4.4</b>
18.	Abbas S., J. A Khan, S. S Ahmed, A. A. Anjum, 2023. Investigation of rotavirus infection in cow calves and Associated risk factors with haemato-biochemical alterations. JAPS. 33(6): doi.org/10.36899/JAPS.2023.6.0685. (I.F.=0.7)	<b>0.7</b>
19.	<b>Ain Q., A. Ahmad, A.A. Anjum, M. Chaudhry, 2023. Viral Shedding Evaluation is Critical for Determining Efficacy of Avian Influenza (H9) Vaccines in Broiler Chickens. Pak. J. Zool. (I.F.=0.6)</b>	<b>0.6</b>
20.	Munir A., A.A. Anjum, I. Altaf, A.R. Awan, 2023. Immuno-affinity chromatography for purification of IgG from hyper-immune sera raised against 146S fraction of Foot and Mouth Disease Virus for diagnostic purposes. Pol. J. Vet. Sci. 26(3): DOI 10.24425/pjvs.2023.145045. (I.F.=0.8)	<b>0.8</b>
21.	Sardar N., M. W. Aziz, N. Mukhtar, T. Yaqub, A. A. Anjum, M. Javed, M. A. Ashraf, R. Tanvir, A. J. Wolfe, D. S. Schabacker, S. Forrester, m. Khemmani, A.A Aqel, M. A. Warraich, M. Z. Shabbir, 2023. OneHealth Assessment of <i>Bacillus anthracis</i> Incidence and Detection in Anthrax-Endemic Areas of Pakistan. MDPI. 11: <a href="https://doi.org/10.3390/microorganisms11102462">https://doi.org/10.3390/microorganisms11102462</a> .	<b>4.5</b>
22.	Naseem C., I. Rabbani, M.A. Rashid, M. Arif, M. S. Yousaf, M. Imran, A. Anjum, H. Rehman, 2023. Effects of indigenous <i>Saccharomyces cerevisiae</i> on intake, growth, gut histology, and serum biomarkers in pre-weaned Lohi lambs. S. Afr. J. Anim. Sci. 53(4): <a href="http://dx.doi.org/10.4314/sajas.v53i4.15">http://dx.doi.org/10.4314/sajas.v53i4.15</a> . (I.F.=0.8)	<b>0.8</b>
23.	Razak A., I. Altaf, A. A. Anjum, A. R. Awan, 2023. Preparation of purified vaccine from local isolate of foot and mouth disease virus and its immune response in bovine calves. Saudi J. Biol. Sci. 30: <a href="https://doi.org/10.1016/j.sjbs.2023.103709">https://doi.org/10.1016/j.sjbs.2023.103709</a> .(I.F.=4.4)	<b>4.4</b>
24.	Qamar, M. Khan, R. Akhtar, A. A Anjum, 2023. Efficacy Prediction of Autologous Platelet-Rich Plasma (PRP) against Sub-clinical Bubaline Mastitis. Pak. J. Zool.:DOI: <a href="https://dx.doi.org/10.17582/journal.pjz/20230530070514">https://dx.doi.org/10.17582/journal.pjz/20230530070514</a> .(I.F.=0.6)	<b>0.6</b>
25.	Qamar, M. Khan, R. Akhtar, A. A Anjum, 2023. Efficacy Prediction of <i>Lactobacillus rhamnosus</i> GG and Platelet-Rich Plasma (PRP) against Sub-Clinical Bubaline Mastitis. Pak. Vet. J 10.29261/pakvetj/2023.109 .(I.F.=2.3)	<b>2.3</b>
26.	Shujat S., W. Shehzad, A. A. Anjum, J. A Herti, M. Y. Zahoor, Y. T. Grohn, 2023. Molecular detection of <i>Coxiella burnetii</i> in raw meat samples collected from different abattoirs in districts Kasur and Lahore of Punjab, Pakistan. PLoS One. 18(8): <a href="https://doi.org/10.1371/journal.pone.0289944">https://doi.org/10.1371/journal.pone.0289944</a>	<b>3.7</b>
27.	Aziz W. M., N. Mukhtar, A. A. Anjum, M. H. Mushtaq, M. F. Shahid, M. Ali, M. A. B. Shabbir, M. A. Ali, M. Nawaz, T. Yaqub, 2023. Molecular Characterization and Selection of Indigenous SARS-CoV-2 Delta Variant for the Development of the First Inactivated SARS-CoV-2 Vaccine of Pakistan. Vaccines. 11(3): <a href="https://doi.org/10.3390/vaccines11030607">https://doi.org/10.3390/vaccines11030607</a> .(I.F.=7.8)	<b>7.8</b>
28.	Asghar F., A. Bano, F. Waheed, A. A. Anjum, H. Ejaz, N. Javed, 2023. Association of exogenous factors with molecular epidemiology of <i>Staphylococcus aureus</i> in human oral cavity. Saudi J. Biol. Sci. 30(4): <a href="https://doi.org/10.1016/j.sjbs.2023.103613">https://doi.org/10.1016/j.sjbs.2023.103613</a> . (I.F.=4.4)	<b>4.4</b>

29.	Naeem A., M. A. Ashraf, A. A. Anjum, A. A. Sheikh, T. Ali, R. Manzoor, 2023. In vitro inhibitory activity of spice-derived essential oils for multi drug resistant <i>Aspergillus fumigatus</i> recovered from poultry feed. <i>Cienc. e Agrotecnologia</i> . 47: <a href="http://dx.doi.org/10.1590/1413-7054202347005423">http://dx.doi.org/10.1590/1413-7054202347005423</a> .(I.F.=1.1)	1.1
30.	Shams R., Q. U. Ain, I. Rabbani, K. A. Majeed, H.ur. Rehman, M.S. Yousaf, Z.U. Rehman, A.A. Anjum, 2023.Catharanthus roseus extract attenuates <i>E. coli</i> toxin-induced short circuit current in isolated jejunal epithelium of goat and buffalo. <i>Emir J Food Agric</i> . 35(11): <a href="http://doi:10.9755/ejfa.2023.v35.i11.3170">http://doi:10.9755/ejfa.2023.v35.i11.3170</a> . (I.F.=1.1)	1.1
31.	Shah BA, Avais M, Khan JA, Rabbani M , <b>Anjum AA</b> , Ali MA, Awais M, Ahmad S, Azeem S. <b>2023</b> . Vaccines for Bovine Mastitis are Safe and Efficacious in Laboratory animals. <i>Pakistan Journal of Zoology</i> 55(6): 2815-2828.	0.6
32.	Khan I., M. Nawaz, <b>A. A. Anjum</b> , M. D. Ahmed, R. Tanvir, N. Sarwar, M. A. Ashraf, A. Mehmood and M. Aqib, <b>2023</b> . <i>Limosilactobacillus fermentum</i> IKP 111 reduces pathogen load and improves immunity of broilers when challenged with <i>Salmonella enteritidis</i> . <i>Microbial Pathogenesis</i> : 185,2023,106401 <a href="https://doi.org/10.1016/j.micpath.2023.106401">https://doi.org/10.1016/j.micpath.2023.106401</a> .	3.8
33.	Ijaz S., F. Ansari, M. Nawaz, <b>A. A. Anjum</b> and K. Rasool, <b>2023</b> . Genetic Characterization of Carbapenem Resistant <i>Acinetobacter baumannii</i> in Tertiary care settings of Lahore, Pakistan. <i>Adv. Life Sci</i> . 10(3): 479-48. <a href="https://als-journal.com/submission/index.php/ALS/article/view/1628">https://als-journal.com/submission/index.php/ALS/article/view/1628</a>	1.6
34.	Abbas S., J. A. Khan, S. S. Ahmed, A. A. Anjum, 2022. Haemato-biochemical Changes and Various Risk Factors Associated with Bovine Coronavirus Infection in Cattle Calves. <i>Pak. J. Zool.</i> <a href="doi.org/10.17582/journal.pjz/20220930120931">doi.org/10.17582/journal.pjz/20220930120931</a> . I.(F.= 0.6)	0.6
35.	Mughis Z., M. A. Ali, <b>A. A. Anjum</b> , M.O. Omer, M. Abbas and M. Najeeb, <b>2022</b> . Molecular characterization of mycotoxin-producing <i>Aspergillus parasiticus</i> and sensitivity pattern to different disinfectants. <i>Malaysian Malays. J. Microbiol.</i> , 18(5): 524-532. DOI: <a href="http://dx.doi.org/10.21161/mjm.221496">http://dx.doi.org/10.21161/mjm.221496</a> .	0.56
36.	Rizwan M., H. Akbar, A. A. Anjum, M. A. Khan, A. Z. Durrani, M. A. Hayat, A. Masood, M. T. Sajjad and N. Raza, 2022. Effect of Pre and Post-Surgical Correction of Left Displacement Abomasum on Oxidative Stress, Metabolic Status and Hematological Profile Changes in Serum of Dairy Cows of Pakistan. <i>Pakistan J. Zool.</i> , pp 1-7, 2022. DOI: <a href="https://dx.doi.org/10.17582/journal.pjz/20220221120204">https://dx.doi.org/10.17582/journal.pjz/20220221120204</a>	0.687
37.	Shahzad T., S. Iqbal, M. Nasir, A. A. Anjum, M. Imran, F. Saeed, M. F. Mahomoodally, T. Mehmood, G. Zengin, Z. Mushtaq, M. Hussain and E. A. Jbawi, 2022. Comparative analysis of preventive role of different probiotics and prebiotics against the markers of liver damage, oxidative stress markers and inflammatory markers in the non-alcoholic fatty liver disease induced rats, <i>International Journal of Food Properties</i> , 25:1, 2514-2529, DOI: 10.1080/10942912.2022.2144881	3.388
38.	Rasool I. G., M. Y. Zahoor, I. Ahmed, M. Iqbal, S. Shafqat and A. A. Anjum and W. Shehzad, 2022. Description of novel variants in consanguineous Pakistani families affected with intellectual disability. <i>Genes &amp; Genomics</i> <a href="https://doi.org/10.1007/s13258-022-01219-y">https://doi.org/10.1007/s13258-022-01219-y</a> .	2.164
39.	Ahmed A., M. Ijaz, J. A. Khan and <b>A. A. Anjum</b> , <b>2022</b> . Molecular characterization and therapeutic insights into biofilm positive <i>Staphylococcus aureus</i> isolated from bovine subclinical mastitis. <i>Pak Vet J</i> . <a href="http://dx.doi.org/10.29261/pakvetj/2022.078">http://dx.doi.org/10.29261/pakvetj/2022.078</a>	1.803
40.	Dad R. K, M. Avais, J. A. Khan and <b>A. A. Anjum</b> , <b>2022</b> . Evaluation of humoral immunological response of newly prepared bovine multidrug-resistant <i>Staphylococcus aureus</i> mastitis vaccines in rabbits. <i>Pak J Pharm Sci</i> . 35(4(Special)):1223-1228. PMID: 36218101.	0.863

41.	Shah B. A., M. Avais, J. A. Khan, M. Rabbani, <b>A. A. Anjum</b> , M. A. Ali, M. Awais, S. Ahmad and S. Azeem, <b>2022</b> . Vaccines for Bovine Mastitis are Safe and Efficacious in Laboratory Animals. Pakistan J. of Zoology, 1-14	<b>0.687</b>
42.	Ali T., A. Sarwar, <b>A. A. Anjum</b> , Z. Basit, M. A. Ali, M. M. K. Sattar and M. Tariq, <b>2022</b> . Activity of plant essential oils against antibiotic resistant enterococcus faecalis isolated from diarrheic children. Pak. J. Pharm. Sci. 35(3):711-719	<b>0.863</b>
43.	Ali R. A., M. A. Khan, <b>A. A. Anjum</b> , M. M. K. Sattar , Arslan Sarwar, T. Ali, M. Tariq, A. Iqbal, <b>2022</b> . Molecular markers for the detection of pathogenic and food poisoning potential of methicillin resistant Staphylococcus aureus isolated from wounds of hospitalized patients. Pak. J. Pharm. Sci. 35(1Suppl), 305-311	<b>0.863</b>
44.	Ali T., <b>A. A. Anjum</b> , M. M. K. Sattar, M. Tariq and M. A. Ali, <b>2022</b> . Antibacterial activity of Eucalyptus globulus essential oil against indigenously characterized Methicillin resistant Staphylococcus aureus (MRSA). Tropical Biomedicine 39(1):17-25	<b>0.717</b>
45.	Malika S., A. Ullah, <b>A. A. Anjum</b> , M. M. K. Sattar, T. Ali and R. Manzoor, <b>2022</b> . Bio-efficacy of iron and zinc fortified wheat flour along with bio-assessment of its hepatic and renal toxic potential. Brazilian Journal of Biology, 82, e261695   <a href="https://doi.org/10.1590/1519-6984.261695">https://doi.org/10.1590/1519-6984.261695</a>	<b>1.56</b>
46.	Najeeb I., M. Ahmad, <b>A. A. Anjum</b> , A. Maqbool, M. A. Ali, M. Nawaz, T. Ali and R. Manzoor, <b>2022</b> . Biofuel production potential of indigenous isolates of <i>Scenedesmus sp.</i> from lake water in Pakistan. Malaysian J. of Microbiology. 18(4): 380-388 DOI: <a href="http://dx.doi.org/10.21161/mjm.221430">http://dx.doi.org/10.21161/mjm.221430</a>	<b>0.56</b>
47.	Najeeb I., M. Ahmad, <b>A. A. Anjum</b> , A. Maqbool, M. A. Ali, M. Nawaz, T. Ali and R. Manzoor, <b>2022</b> . The Distribution, screening and biochemical characterization of indigenous microalgae for bio-mass and bio-energy production potential. Brazilian journal of Biology. vol. 84, e261698 <a href="https://doi.org/10.1590/1519-6984.261698">https://doi.org/10.1590/1519-6984.261698</a>	<b>1.56</b>
48.	Saif S., H. M. Khan, <b>A. A. Anjum</b> , T. Ali, and R. Manzoor, <b>2022</b> . Antibacterial potential of indigenous medicinal plants against Methicillin-resistant <i>Staphylococcus aureus</i> isolated from septic wounds. Malaysian Journal of Microbiology. 18(4): 389-397 DOI: <a href="http://dx.doi.org/10.21161/mjm.221516">http://dx.doi.org/10.21161/mjm.221516</a>	<b>0.56</b>
49.	Tariq M., <b>A. A. Anjum</b> , A. A. Sheikh, A. R. Awan, M. Nawaz, M. M. K. Sattar, T. Ali, <b>2022</b> . <i>Clostridium perfringens</i> toxinotype A molecular typing and alpha toxin production kinetics under dynamic nutritional requirements. J. of Animal and Plant Sciences.	<b>0.570</b>
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## PROCEEDINGS AND ABSTRACTS

Sr. No.	Title	Organized by
1.	<b>MOLECULAR CHARACTERIZATION OF PHYTASE PRODUCING BACTERIAL ISOLATES TO ENHANCE THE NUTRITIVE VALUE OF POULTRY FEED.</b> Tehreem Ali, Aftab Ahmad Anjum, Rabia Manzoor, Muhammad Asad Ali	UVAS in collaboration with PPA, Pakistan. 21 to 23, September, 2023.
2.	<b>ANTIBIOTIC RESISTANCE MODULATION OF CLOSTRIDIUM PERFRINGENS TYPE A ISOLATED FROM NECROTIC ENTERITIS USING PLANT ESSENTIAL OIL</b>	UVAS in collaboration with PPA, Pakistan. 21 to 23, September, 2023.



	<b>FRACTIONS.</b> Tehreem Ali, Aftab Ahmad Anjum, Rabia Manzoor, Nida Nawaz, Ayesha Saeed	
3.	<b>ANTIFUNGAL POTENTIAL OF SYZYGIUM AROMATICUM ESSENTIAL OIL: A COMPARATIVE EVALUATION OF SPICE-DERIVED ESSENTIAL OILS FOR ASPERGILLUS FUMIGATUS ISOLATED FROM POULTRY FEED.</b> Muhammad Adnan Ashraf, Aftab Ahmad Anjum, Alishba Naeem, Ali Ahmad Sheikh, Muhammad Asad Ali, Tehreem Ali, Rabia Manzoor	UVAS in collaboration with PPA, Pakistan. 21 to 23, September, 2023.
4.	<b>MOLECULAR DETECTION OF COLISTIN RESISTANCE GENE (MCR-1) IN E. COLI ISOLATED FROM CLOACAL SWABS OF BROILERS.</b> Muhammad Zulqarnain, Noreen Sarwar, Aftab Ahmad Anjum, Sehrish Firyal, Tahir Yaqub and Masood Rabbani	UVAS in collaboration with PPA, Pakistan. 21 to 23, September, 2023.
5.	<b>EVALUATION OF COMBINED EFFECT OF LACTOBACILLUS GALLINARUM PL53 AND ACETIC ACID ON MITIGATION OF SALMONELLA ENTERITIDIS IN BROILER.</b> Muhammad Usama Ghaffar, Muhammad Asad Ali, Tahir Yaqub, Aftab Ahmad Anjum, Muhammad Nawaz, Muhammad Imran Najeeb, Azmat Ullah Khan, Adnan Mehmood, Awais Masud, Hamza and Mubashar Iqbal Beig	UVAS in collaboration with PPA, Pakistan. 21 to 23, September, 2023.
6.	<b>COMPARATIVE EFFECT OF ORGANIC ACIDS AND AQUEOUS EXTRACT OF GARLIC AND GINGER ON SURVIVAL OF CAMPYLOBACTER JEJUNI ON CHICKEN MEAT.</b> Saira Gul, Muhammad Asad Ali, Aftab Ahmed Anjum, Muhammad Nawaz, Muhammad Imran Najeeb, Adnan Mehmood, Muhammad Tahir Khan, and Noor-Ul-Hudda	UVAS in collaboration with PPA, Pakistan. 21 to 23, September, 2023.
7.	<b>CHARACTERIZATION OF MULTI-DRUG RESISTANT SALMONELLA ENTERICA ISOLATED FROM BROILER BIRDS SUSPECTED FOR FOWL TYPHOID.</b> Tehreem Ali, Aftab Ahmad Anjum, Rabia Manzoor and Muhammad Asad Ali	UVAS in collaboration with PPA, Pakistan. 21 to 23, September, 2023.
8.	<b>BIOPROSPECTING INDIGENOUS BACILLUS STRAINS FOR DETOXIFICATION OF OCHRATOXIN A IN POULTRY FEED.</b> Rabia Manzoor, Nida Nawaz, Muhammad Adnan Ashraf, Aftab Ahmad Anjum, Abdul Rehman, Mateen Abbas, Tehreem Ali, Ayesha Saeed	UVAS in collaboration with PPA, Pakistan. 21 to 23, September, 2023.
9.	<b>IN-VITRO AMELIORATION OF AFLATOXINS BY SELECTIVE BACILLUS SPECIES IN POULTRY FEED.</b> Ayesha Saeed, Aftab Ahmad Anjum, Mateen Abbas, Yasir Zahoor, Tehreem Ali, Rabia Manzoor, Nida Nawaz	UVAS in collaboration with PPA, Pakistan. 21 to 23, September, 2023.
10.	<b>COMPARATIVE EFFICACY OF DIFFERENT ORGANIC ACIDS AGAINST SALMONELLA ENTERICA SEROTYPE ENTERITIDIS ON THE SURFACE OF CHICKEN MEAT.</b> Ayesha Sohail, I. Najeeb, M. A. Ali, H. Mushtaq and A. A. Anjum	UVAS in collaboration with PPA, Pakistan. 21 to 23, September, 2023.
11.	<b>ASSESSMENT OF TOXIGENIC FUSARIUM SPECIES AND THEIR MYCOTOXINS IN POULTRY FEED.</b> Rabia Manzoor, Aftab Ahmad Anjum, Muhammad Adnan Ashraf, Tehreem Ali, Nida Nawaz, Ayesha Saeed	UVAS in collaboration with PPA, Pakistan. 21 to 23, September, 2023.
12.	<b>IN SILICO ANALYSIS OF NON-SYNONYMOUS SINGLE NUCLEOTIDE POLYMORPHISMS IN THE ALPHA TOXIN OF CLOSTRIDIUM PERFRINGENS TOXINOTYPE A ISOLATED FROM NECROTIC ENTERITIS CASES.</b> Mian Muhammad Khubaib Sattar, Aftab Ahmad Anjum, Yung Fu Chang, Tehreem Ali	UVAS in collaboration with PPA, Pakistan. 21 to 23, September, 2023.

13.	<b>ANTIMICROBIAL ACTIVITY OF ETHANOLIC EXTRACTS OF SELECTED MEDICINAL PLANTS AGAINST MULTIPLE DRUG RESISTANT STAPHYLOCOCCUS AUREUS.</b> Nabila Khan <sup>1</sup> , Mian Muhammad Khubaib Sattar <sup>1</sup> Aftab Ahmad Anjum <sup>2</sup> , Muhammad Khalid Mansoor <sup>1</sup> Muhammad Shahzad <sup>3</sup>	UVAS in collaboration with PPA, Pakistan. 21 to 23, September, 2023.
14.	<b>OPTIMIZATION OF PARAMETERS FOR PHYTASE PRODUCTION USING SUBMERGED FERMENTATION BY ASPERGILLUS NIGER.</b> N. Nazir <sup>1</sup> , A.A. Anjum <sup>2</sup> , A. Asif <sup>3</sup> , M. Yonus <sup>4</sup> , A. Ullah <sup>5</sup> , and A. Ahmad <sup>5</sup>	UVAS in collaboration with PPA, Pakistan. 21 to 23, September, 2023.
15.	<b>GLOBAL IMPLICATIONS AND SUBSTITUTES FOR ANTIBIOTIC UTILIZATION IN BROILER FARMING.</b> Abdul Muqheet Khan, Mateen Abbas, Aftab Ahmad Anjum	UVAS in collaboration with PPA, Pakistan. 21 to 23, September, 2023.
16.	<b>TRANSFORMING POULTRY FARMING THROUGH ARTIFICIAL INTELLIGENCE: ENABLING EARLY DISEASE DETECTION AND MANAGEMENT IN SMART POULTRY SYSTEMS.</b> Badr Un Nisa, Sohail Raza, Arfan Ahmad, Aftab Ahmad Anjum, Muhammad Ilyas Riaz	UVAS in collaboration with PPA, Pakistan. 21 to 23, September, 2023.
17.	<b>IMPACT OF MYCOTOXINS ON POULTRY FEED AND STRATEGIES FOR THEIR MITIGATION.</b> Mateen Abbas, Aftab Ahmad Anjum, Abdul Muqheet Khan	UVAS in collaboration with PPA, Pakistan. 21 to 23, September, 2023.
18.	<b>Assessment of toxigenic Fusarium species and their mycotoxins in poultry feed.</b> Rabia Manzoor, Muhammad Adnan Ashraf, Aftab Ahmad Anjum, Sehrish Firyal and Tehreem Ali	39 <sup>th</sup> All Pakistan International Science Conference 2022, 14 & 15 December on Emerging health issues in Pakistan. Organized by, PAAS and UVAS, Lahore
19.	<b>Activity of plant essential oils against multi drug resistant Enterococcus faecalis isolated from diarrheic children.</b> Tehreem Ali, Aftab Ahmad Anjum, Arsalan Sarwar and Rabia Manzoor	39 <sup>th</sup> All Pakistan International Science Conference 2022, 14 & 15 December on Emerging health issues in Pakistan. Organized by, PAAS and UVAS, Lahore
20.	<b>MOLECULAR CHARACTERIZATION AND ANTIBIOTICS RESISTANCE PATTERN OF CLOSTRIDIUM PERFRINGENS TYPE A ISOLATED FROM NECROTIC ENTERITIS</b> Tehreem Ali, Arslan Sarwar, Mian Muhammad Khubaib Sattar, Rabia Manzoor, Muhammad Asad Ali, <b>Aftab Ahmad Anjum</b> : September 15, 2022	International Poultry Science Conference-2022 (PSC@IPEX-2022) Organized by PAKISTAN POULTRY ASSOCIATION, Expo center Lahore.
21.	<b>ACTIVITY OF PHYTOCHEMICALS AGAINST OCHRATOXIN A PRODUCING ASPERGILLUS PARASITICUS USING DIFFERENT SUBSTRATES OF VARIED MOISTURE LEVELS</b> Rabia Manzoor, <b>Aftab Ahmad Anjum</b> , Tehreem Ali, Gull Naz : September 15, 2022	International Poultry Science Conference-2022 (PSC@IPEX-2022) Organized by PAKISTAN POULTRY ASSOCIATION, Expo center Lahore.
22.	<b>ACTIVITY OF EUCALYPTUS GLOBULUS AGAINST MULTI-DRUG RESISTANT POULTRY PATHOGENS</b> Assad Ullah, <b>Aftab Ahmad Anjum</b> , Tehreem Ali, Mian Muhammad Khubaib Sattar: September 15, 2022	International Poultry Science Conference-2022 (PSC@IPEX-2022) Organized by PAKISTAN POULTRY ASSOCIATION,

		Expo center Lahore.
23.	<b>MOLECULAR CHARACTERIZATION OF OCHRATOXIN A PRODUCING FUNGI ISOLATED FROM POULTRY FEED AND FEED INGREDIENTS.</b> Gull Naz, <b>Aftab Ahmad Anjum</b> , Mateen Abbas, Tehreem Ali, Rabia Manzoor : September 15, 2022	International Poultry Science Conference-2022 (PSC@IPEX-2022) Organized by PAKISTAN POULTRY ASSOCIATION, Expo center Lahore.
24.	<b>ANTIFUNGAL RESISTANCE MODULATION OF ASPERGILLUS FUMIGATUS ISOLATES FROM BROODER PNEUMONIA AFFECTED BIRDS BY EUCALYPTUS GLOBULUS</b> Rana Haider Ali , <b>Aftab Ahmad Anjum</b> , Saba Sana, Yasir Zahoor: September 15, 2022	International Poultry Science Conference-2022 (PSC@IPEX-2022) Organized by PAKISTAN POULTRY ASSOCIATION, Expo center Lahore.
25.	<b>IN-VITRO EVALUATION OF SOIL BACILLI FOR AFLATOXINS DECONTAMINATION AND ANTIFUNGAL POTENTIAL AGAINST ASPERGILLUS FLAVUS</b> Nida Ijaz , <b>Aftab Ahmad Anjum</b> ,Saba Sana, Sehrish Firyal: September 15, 2022	International Poultry Science Conference-2022 (PSC@IPEX-2022) Organized by PAKISTAN POULTRY ASSOCIATION, Expo center Lahore.
26.	<b>A COMPARATIVE STUDY OF CURCUMA LONGA (TURMERIC) AND ENROFLOXACIN ON THE GROWTH PERFORMANCE AND MORPHOLOGY OF LIVER AND INTESTINE IN EXPERIMENTALLY INDUCED ESCHERICHIA COLI INFECTED BROILER BIRDS</b> Muhammad Wasil Rehman, Muti-ur-Rehman Khan, Asim Aslam, <b>Aftab Ahmad Anjum</b> , Muhammad Azeem, Salman Abid, Usama: September 15, 2022	International Poultry Science Conference-2022 (PSC@IPEX-2022) Organized by PAKISTAN POULTRY ASSOCIATION, Expo center Lahore.
27.	<b>BIOLOGICAL DETOXIFICATION OF AFLATOXIN B1 BY LACTOBACILLUS GALLINARUM PL-149</b> Muhammad Tahir Islam, <b>Aftab Ahmad Anjum</b> , Muhammad Nawaz, Asif Nadeem, Saba Sana: September 15, 2022	International Poultry Science Conference-2022 (PSC@IPEX-2022) Organized by PAKISTAN POULTRY ASSOCIATION, Expo center Lahore.
28.	<b>IN-VITRO EVALUATION OF INDIGENOUS METSCHNIKOWIA SPECIES AS TOXIN BINDER FOR POULTRY FEED</b> Ayesha Khan , Saba Sana, <b>Aftab Ahmad Anjum</b> , Muhammad Yasir Zahoor , Tahir Yaqub , Ali Ahmad Sheikh , Nadia Mukhtar, Shamsa Niaz: September 15, 2022	International Poultry Science Conference-2022 (PSC@IPEX-2022) Organized by PAKISTAN POULTRY ASSOCIATION, Expo center Lahore.
29.	<b>QUANTIFICATION OF VARIOUS ANTIBIOTIC RESIDUES (QUINOLONES) FROM CHICKEN MEAT SAMPLES BY AN OPTIMIZED AND VALIDATED HPLC–UV–DAD METHOD</b> Abdul Muqheet Khan, Mateen Abbas, Tahir Yaqub, <b>Aftab Ahmad Anjum</b> : September 15, 2022	International Poultry Science Conference-2022 (PSC@IPEX-2022) Organized by PAKISTAN POULTRY ASSOCIATION, Expo center Lahore.
30.	<b>CO-OCCURRENCE OF MYCOTOXINS (AFLATOXINS, OCHRATOXINS AND ZEARALENONE) IN POULTRY FEED</b> Mateen Abbas, Abdul Muqheet Khan, Zara Hussain, <b>Aftab</b>	International Poultry Science Conference-2022 (PSC@IPEX-2022) Organized by PAKISTAN

	Ahmad Anjum ,Tahir Yaqub:September 15,2022	POULTRY ASSOCIATION, Expo center Lahore.
31.	<b>Biomass and toxins optimization of <i>Clostridium perfringens</i> toxinotype D under dynamic parameters</b> Aftab Ahmad Anjum , Tehreem Ali , Rabia Manzoor , Madeeha Tariq, Mian Muhammad Khubaib Sattar December 23, 2021	13 <sup>th</sup> International Biennial Conference, Pakistan Society for Microbiology (TIBC-PSM-2021). Organized by Department of Microbiology, Government College University Faisalabad, Punjab, Pakistan
32.	<b>Activity of plant essential oils against antibiotic resistant <i>Enterococcus faecalis</i> isolated from diarrheic children</b> Tehreem Ali , Aftab Ahmad Anjum , Basit Zeshan, Arslan Sarwar, Muhammad Asad Ali ,Mian Muhammad Khubaib Sattar December 23, 2021	13 <sup>th</sup> International Biennial Conference, Pakistan Society for Microbiology (TIBC-PSM-2021). Organized by Department of Microbiology, Government College University Faisalabad, Punjab, Pakistan
33.	<b>Optimization of major toxins production potential of <i>Clostridium perfringens</i> type B under various physico-chemical conditions.</b> Mian Muhammad Khubaib Sattar, Aftab Ahmad Anjum, Tehreem Ali, Rabia Manzoor December 23, 2021	13 <sup>th</sup> International Biennial Conference, Pakistan Society for Microbiology (TIBC-PSM-2021). Organized by Department of Microbiology, Government College University Faisalabad, Punjab, Pakistan
34.	<b>Comparative effect of organic acids and aqueous extract of garlic and ginger on survival of <i>Campylobacter jejuni</i> on chicken meat</b> Muhammad Asad Ali, Aftab Ahmad Anjum, December 23, 2021	13 <sup>th</sup> International Biennial Conference, Pakistan Society for Microbiology (TIBC-PSM-2021). Organized by Department of Microbiology, Government College University Faisalabad, Punjab, Pakistan
35.	<b>Molecular Characterization of Indigenous <i>Clostridium Perfringens</i> Toxinotypes Isolated from Sheep and Goat</b> Mian Muhammad Khubaib Sattar, Aftab Ahmad Anjum, Tehreem Ali,Madeeha Tariq,Rabia Manzoor November 25, 2021	9 <sup>th</sup> International Conference On Biological And Computational Sciences. Organized by CUST, Islamabad, Pakistan
36.	<b>Activity of <i>Eucalyptus globulus</i> Essential Oil against Indigenous Methicillin Resistant <i>Staphylococcus Aureus</i> (MRSA)</b> Rabia Manzoor, Aftab Ahmad Anjum, Mian Muhammad Khubaib Sattar,Tehreem Ali, Muhammad Asad Ali November 25, 2021	9 <sup>th</sup> International Conference On Biological And Computational Sciences. Organized by CUST, Islamabad, Pakistan
37.	<b>Antimicrobial Activity of Selected Plant Essential Oil Fractions against Quinolone Resistant <i>Enterococcus Faecalis</i> Isolates</b> Tehreem Ali,Arslan Sarwar, Aftab Ahmad Anjum, Muhammad Asad Ali, Mian Muhammad Khubaib Sattar November 25, 2021	9 <sup>th</sup> International Conference On Biological And Computational Sciences. Organized by CUST, Islamabad, Pakistan
38.	Ilyas I., M. A. Ali, A. A. Anjum, T. Yaqub, S. Firyal, M. Nawaz, S. Sana, M. I. Najeeb, S. Hussain, M. Tariq and T.	First National Conference on Entrepreneurship Avenues in

	Ali, <b>Januar 8-9, 2020</b> . Antibiotic resistance modulation of <i>Clostridium perfringens</i> type D using indigenous plant extracts	Biological Sciences. Organized by Department of Biology, Garrison University, Lahore
<b>39.</b>	Rafi Z, M. Nawaz, <b>A. A. Anjum</b> , T. Yaqub, S. Firyal, M. A. Ali, M. I. Najeeb, S. Hussain, M. Tariq and J. Ali, <b>Januar 8-9, 2020</b> . Isolation and toxinotyping of <i>Clostridium perfringens</i> from sheep	First National Conference on Entrepreneurship Avenues in Biological Sciences. Organized by Department of Biology, Garrison University, Lahore
<b>40.</b>	Ali J., M. I. Najeeb, <b>A. A. Anjum</b> , M. Avais, M. Nawaz, M. A. Ali, S. Hussain, S. Sana, M. Tariq, Z. Rafi and T. Ali, <b>Januar 8-9, 2020</b> . Molecular toxinotyping of <i>Clostridium perfringens</i> isolated from goat.	First National Conference on Entrepreneurship Avenues in Biological Sciences. Organized by Department of Biology, Garrison University, Lahore
<b>41.</b>	Evaluation of antifungal potential of plant essential oils against aflatoxin producing <i>Aspergillus flavus</i> , 13-15 <sup>th</sup> September 2019.	Poultry Science conference, Organized by PPA and UVAS, Lahore
<b>42.</b>	<i>In-vivo</i> evaluation of immune modulation activity of ethanolic extract of eucalyptus globulus leaves in broiler chicks, 13-15 <sup>th</sup> September 2019.	Poultry Science conference, Organized by PPA and UVAS, Lahore
<b>43.</b>	<i>In-vivo</i> evaluation of growth enhancing, d-xylose absorption and gut villus parameters of ethanolic extract of eucalyptus globulus leaves in broiler chicks, 13-15 <sup>th</sup> September 2019.	Poultry Science conference, Organized by PPA and UVAS, Lahore
<b>44.</b>	Biological detoxification of aflatoxins by using probiotic strains of lactobacilli, 13-15 <sup>th</sup> September 2019.	Poultry Science conference, Organized by PPA and UVAS, Lahore
<b>45.</b>	Evaluation of eucalyptus globulus for antimicrobial activity against multi-drug resistant bacteria isolated from poultry, 13-15 <sup>th</sup> September 2019.	Poultry Science conference, Organized by PPA and UVAS, Lahore
<b>46.</b>	Activity of essential oils of different medicinal plants against <i>E.coli</i> and <i>S.aureus</i> isolated from poultry feed, 13-15 <sup>th</sup> September 2019.	Poultry Science conference, Organized by PPA and UVAS, Lahore
<b>47.</b>	Molecular characterization and antifungal susceptibility of ochratoxin producing fungi isolated from poultry feed to essential oils, 13-15 <sup>th</sup> September 2019.	Poultry Science conference, Organized by PPA and UVAS, Lahore
<b>48.</b>	Antifungal activity of commonly available disinfectants against ochratoxin a producing fungi, 13-15 <sup>th</sup> September 2019.	Poultry Science conference, Organized by PPA and UVAS, Lahore
<b>49.</b>	N. Saleem, M. Nawaz, A. Ghafoor, A. Javed, <b>A. A. Anjum</b> and M. A. Ali. <b>January, 09<sup>th</sup>-13<sup>th</sup>, 2018</b> . Transferable Antibiotic Resistances in Lactobacilli of Poultry Gut Organ-A Potential Threat to Public Health.	15th International Bhurban Conference on Applied Sciences & Technology (IBCAST) Islamabad, Pakistan
<b>50.</b>	S. Sana, <b>A. A. Anjum</b> , T. Yaqub, M. Nasir, M. I. Najeeb, M. Nawaz and M. A. Ali. <b>January, 09<sup>th</sup>-13<sup>th</sup>, 2018</b> . Dynamics of Aflatoxin Producing Fungi in Home Mixed and Commercial Poultry Feed.	15th International Bhurban Conference on Applied Sciences & Technology (IBCAST) Islamabad, Pakistan

51.	I. Fareed , M. Nawaz, K. Muhammad, <b>A. A. Anjum</b> , A. Arif, A. Mustafa, M. Khan, M. Tayyub and M. Rabbani. <b>January, 09<sup>th</sup>-13<sup>th</sup>, 2018.</b> In- Vitro Control of Ammonia Emitting Microbes of Poultry Origin by Extracts of Indigenous Medicinal Plants.	15th International Bhurban Conference on Applied Sciences & Technology (IBCAST) Islamabad, Pakistan
52.	M. Tayyub, K. Ashraf, M. Lateef, <b>A. A. Anjum</b> , M. Nawaz, M. Yasir and M. A. Ali. <b>January, 09<sup>th</sup>-13<sup>th</sup>, 2018.</b> Genetic Diversity of Canine Babesia Species Prevalent in Pet Dogs.	15th International Bhurban Conference on Applied Sciences & Technology (IBCAST) Islamabad, Pakistan.
53.	N. Sardar, M. A. Ali, <b>A. A. Anjum</b> , M-U-D. Ahmad, W. Shehzad, A. Kousar, S. Sana, M. Khan and M. Nawaz. <b>January, 09<sup>th</sup>-13<sup>th</sup>, 2018.</b> Fancy Birds: Carriers of Antibiotic Resistant Salmonellae and Escherichia coli.	15th International Bhurban Conference on Applied Sciences & Technology (IBCAST) Islamabad, Pakistan.
54.	S. Sana, <b>A. A. Anjum</b> , T. Yaqub, M. Nasir, A. Ahmad and M. A. Ali. <b>January, 09<sup>th</sup>-13<sup>th</sup>, 2018.</b> Incidence of Mycoflora in Animal Feed and Feed Ingredients.	15th International Bhurban Conference on Applied Sciences & Technology (IBCAST) Islamabad, Pakistan.
55.	H. R. Farooq, <b>A. A. Anjum</b> , K. Muhammad, M-U-D. Ahmed and S. Sana. <b>January, 09<sup>th</sup>-13<sup>th</sup>, 2018.</b> Microbiological Quality Assessment and Antibiotic Resistance Pattern of Bacteria Isolated from Fresh Indigenous Juices.	15th International Bhurban Conference on Applied Sciences & Technology (IBCAST) Islamabad, Pakistan.
56.	S. Hameed, <b>A.A. Anjum</b> , K. Muhammad, S.Sana and M. R. Yousuf. <b>January, 09<sup>th</sup>-13<sup>th</sup>, 2018.</b> Bacteriological and Mycological Analysis of Mixed Vegetable Salads for Toxic Potential.	15th International Bhurban Conference on Applied Sciences & Technology (IBCAST) Islamabad, Pakistan.
57.	M. Tayyub, K. Ashraf, M. Lateef, <b>A. A. Anjum</b> , N. Ahmad, M. N. Anwar and M. A. Ali. <b>January, 09<sup>th</sup>-13<sup>th</sup>, 2018.</b> Efficacy of Anti- Babesia Drugs in Relation to Hematological Parameters Under Experimental Conditions in Dogs.	15th International Bhurban Conference on Applied Sciences & Technology (IBCAST) Islamabad, Pakistan.
58.	M. Khan, M. Nawaz, <b>A. A. Anjum</b> and A. R. Awan. <b>January, 09<sup>th</sup>-13<sup>th</sup>, 2018.</b> Development and Characterization of Probiotic Lactobacilli to Control an Emerging Foodborne Pathogen-Campylobacter Jejuni.	15th International Bhurban Conference on Applied Sciences & Technology (IBCAST) Islamabad, Pakistan.
59.	<b>A. A. Anjum, March 5<sup>th</sup>-12<sup>th</sup> 2018.</b> Molecular Tools in the Study of Viral Diagnosis, Characterization and Evolutionary Analysis	International Training Course Poultry Viral Diagnostics Royal Veterinary College, University of London and Department of Microbiology, UVAS Lahore.

60.	Z. Mughis, M. A. Ali, <b>A. A. Anjum</b> , T. Yaqub, M. O. Omer, M. Nawaz and S. Sana. <b>December 10<sup>th</sup> and 11<sup>th</sup>, 2018</b> . In-Vitro Evaluation of Disinfectants Against Indigenous <i>Aspergillus Parasiticus</i> .	38 <sup>th</sup> All Pakistan Science Conference Energy Crisis and Their Solutions in Pakistan.
61.	A.Ghafoor, <b>A. A. Anjum</b> , T. Yaqub, M-U-D. Ahmad, M. A. Ali, I. Najeeb and S. Sana. <b>December 10<sup>th</sup> and 11<sup>th</sup>, 2018</b> . Evaluation of Antifungal Activity of Essential Oils Against Toxicogenic Isolates of <i>Aspergillus Flavus</i> .	38 <sup>th</sup> All Pakistan Science Conference Energy Crisis and Their Solutions in Pakistan.
62.	S. Hina, M. Ashraf, M. A. Rasheed and <b>A. A. Anjum</b> . <b>December 10<sup>th</sup> and 11<sup>th</sup>, 2018</b> . Pharmaceutical Equivalence of Different Brands of Oxytetracycline used in Veterinary Practice in Pakistan.	38 <sup>th</sup> All Pakistan Science Conference Energy Crisis and Their Solutions in Pakistan.
63.	S. Firyal, H. Noor, M. R. Kazmi, A. R. Awan, M. Tayyub, M. Y. Zahoor, <b>A. A. Anjum</b> and M. Wasim. <b>December 10<sup>th</sup> and 11<sup>th</sup>, 2018</b> . Association Between DRD2 Gene Polymorphism And Aggression Among Convicted Prisoners.	38 <sup>th</sup> All Pakistan Science Conference Energy Crisis and Their Solutions in Pakistan
64.	R. Raza, S. Firyal, A. R. Awan, M. Tayyab, <b>A. A. Anjum</b> , H. Tariq and M. Wasim. <b>December 10<sup>th</sup> and 11<sup>th</sup>, 2018</b> . Role of Mitochondrial ND2 Gene in Identification Of Avian Species.	38 <sup>th</sup> All Pakistan Science Conference Energy Crisis and Their Solutions in Pakistan
65.	M. M. K. Sattar, T. Yaqub, <b>A. A. Anjum</b> , M. Z. Shabbir, M-Ur-R Khan, H. M. Ali, M. K. Mansoor and H. Rashid. <b>December 10<sup>th</sup> and 11<sup>th</sup>, 2018</b> . Production and Evaluation of Anti- Tetanus Serum.	38 <sup>th</sup> All Pakistan Science Conference Energy Crisis and Their Solutions in Pakistan
66.	M. A. Ali, K. Muhammad, <b>A. A. Anjum</b> , M. D. Ahmad, M. Rabbani, M. Z. Shabbir, A. Ahmad, M. Nawaz, M. T. Ghorri, J. Muhammad, H. R. Chaudhry, T. Jamil, M. Haisem, T. Awan, R. Ahmad and B. M. Jayarao. <b>January, 10<sup>th</sup>-14<sup>th</sup>, 2017</b> . Association of soil chemistry and other factors with spatially distributed <i>Burkholderia mallei</i> DNA in Punjab province, Pakistan.	14th International Bhurban Conference on Applied Sciences & Technology (IBCAST) Islamabad, Pakistan
67.	S. Firyal, A.R. Awan, S. Baigh, M. Tayyab, M. Wasim, O. Qazi, <b>A. A. Anjum</b> and S. Saeed. <b>January, 10<sup>th</sup>-14<sup>th</sup>, 2017</b> . Detection of Methicillin-Resistant <i>Staphylococcus aureus</i> of poultry and human Sources	14th International Bhurban Conference on Applied Sciences & Technology (IBCAST) Islamabad, Pakistan
68.	M. Tariq, <b>A. A. Anjum</b> , J. Nazir, S. Sana, M. R. Yousaf, H. Akbar and M. A. Ali. <b>November 13<sup>th</sup>-15<sup>th</sup>, 2017</b> . Thermo stability of phytases produced by indigenous thermolabile <i>Aspergillus niger</i> isolates	One health International Conference, (OHC-2017) CVAS Jhang, UVAS Lahore
69.	A. Ahmad, <b>A. A. Anjum</b> , M. Rabbani, M. Younus and S. Sana. <b>November 13<sup>th</sup>-15<sup>th</sup>, 2017</b> . Potential risk of aflatoxicosis by <i>Aspergilli</i> isolated from soil of livestock farms in Lahore	One health International Conference, (OHC-2017) CVAS Jhang, UVAS Lahore
70.	M. Tariq, <b>A. A. Anjum</b> , J. Nazir, S. Sana, A. Ahmad, M.R. Yousaf, H. Akbar and M.A. Ali. <b>November 13<sup>th</sup>-15<sup>th</sup>, 2017</b> . Thermo stability of phytases produced by indigenous thermo labile <i>Aspergillus niger</i> isolates	One health International Conference, (OHC-2017) CVAS Jhang, UVAS Lahore

71.	A. Naeem, <b>A. A. Anjum</b> , A.A. Sheikh, M.Y. Zahoor and S. Sana. November 13 <sup>th</sup> -15 <sup>th</sup> , 2017. Antifungal activity of plants essential oils against resistant <i>Aspergillus fumigatus</i> isolates	One health International Conference, (OHC-2017) CVAS Jhang, UVAS Lahore
72.	B. Chaudhry, M. Nawaz, <b>A. A. Anjum</b> , A. Mustafa, M. Khan and M.A. Ali. <b>November 13<sup>th</sup>-15<sup>th</sup>, 2017</b> . Modulation of ampicillin and ciprofloxacin resistance in <i>E. coli</i> of poultry origin by medicinal plant extracts	One health International Conference, (OHC-2017) CVAS Jhang, UVAS Lahore
73.	Q. Ain, M. Nawaz, M.A. Basra, M.I. Najeeb, M.A. Ali, <b>A. A. Anjum</b> , A. Mustafa and A. Khalid. <b>December 19<sup>th</sup>-20<sup>th</sup>, 2017</b> . Effect of different medicinal plant extracts on activity of ciprofloxacin and ampicillin against <i>Salmonella enterica</i>	International Conference on Recent Advances in Clinical Research, UVAS, Lahore
74.	S. Sana, A.A. Anjum, M. Nawaz, M.A. Ali and M.I. Najeeb. <b>December 19<sup>th</sup>-20<sup>th</sup>, 2017</b> . In-Vitro evaluation and optimization of starch hydrolyzing potential of <i>Fusarium</i> isolated from soil of livestock farms	International Conference on Recent Advances in Clinical Research, UVAS, Lahore
75.	A. Ghafoor, <b>A. A. Anjum</b> , T. Yaqub, M.D. Ahmad, S. Sana, M.A. Ali and M. Nawaz. <b>December 19<sup>th</sup>-20<sup>th</sup>, 2017</b> . In-Vitro activity of plant essential oils against aflatoxin producing <i>Aspergillus flavus</i> from poultry feed	International Conference on Recent Advances in Clinical Research, UVAS, Lahore
76.	H. Akbar, M.A. Khan, U. Rashid, I. Rabbani, <b>A. A. Anjum</b> , M.A. Ali and M. Rizwan. <b>December 19<sup>th</sup>-20<sup>th</sup>, 2017</b> . Caudal epidural analgesia with bupivacaine HCl, Medetomidine HCl alone and in combination in dogs	International Conference on Recent Advances in Clinical Research, UVAS, Lahore
77.	J. Arooj, M.O. Omer, M.A. Rasheed, <b>A. A. Anjum</b> and M. Ahmad. <b>December 19<sup>th</sup>-20<sup>th</sup>, 2017</b> . Antibacterial and cytotoxic evaluation of different extracts of glycyrrhizaglabra (liquorice) roots against common poultry pathogens	International Conference on Recent Advances in Clinical Research, UVAS, Lahore
78.	Ahmad, A., A. A. Anjum, M. Rabbani, N. Ahmad and S. Sana, 2016. Isolation and detection of <i>Streptobacillus moniliformis</i> from patients of Rat-bite fever in Lahore, Pakistan	2nd International Conference on Zoonoses, FVS, BZ University, Multan
79.	Ahmad, A. A.A. Anjum, M. Rabbani, K. Ashraf, M. Nawaz, A. Asif and S. Sana, 2016. Optimization of culture conditions for Phytase producing <i>Aspergillus flavus</i> Phy168 isolated from soil of livestock farms	Ist Biotechnology World Conference on advancements in biotechnology, GCWU, Faisalabad
80.	Sana, S., A.A. Anjum, M.D. Ahmad, M. Nawaz, I. Najeeb, A. Ahmad and M.A. Ali, 2016. <i>Penicillium</i> : A potential candidate for amylase production	Ist Biotechnology World Conference on advancements in biotechnology, GCWU, Faisalabad
81.	Tayyab, M., M. Yasir, K. Ashraf, A. Maqbool, M.A. Ali, A.A. Anjum and M.A. Hafeez, 2016. PCR based diagnosis and antigenic affinity of caecal coccidiosis in broiler chicken by SDS-PAGE	Conference on Sustainable crop and animal production systems at University of Haripur, Khyber Pakhtunkhwa
82.	Farooq, M., K. Muhammad, M. Anees, A.A. Anjum, M. Avais, I. Altaf, M.A. Ali, M.A. Khan and M.Z. Latif, 2016. Evaluation of antibody response to bivalent peste des petits ruminants virus and goat pox virus vaccine in goats	Conference on Sustainable crop and animal production systems at University of Haripur, Khyber Pakhtunkhwa
83.	Kousar, A., M.A. Ali, <b>A.A. Anjum</b> , M.D. Ahmad, M.	2nd International Conference



	Nawaz, A.K. Mahmood, M.I. Najeeb, M. Khan, S. Sana, M.A. Hafeez, M. Azhar, R. Khan and A. Razaq, <b>2016</b> . Isolation, molecular identification and antibiotic resistance pattern of Salmonellae from fancy birds	on Zoonoses, FVS, BZ University, Multan
<b>84.</b>	Ali M.A., K. Muhammad, <b>A.A. Anjum</b> , M.D. Ahmad, M. Rabbani, M.Z. Shabbir, A. Ahmad, J. Muhammad, M.H. Chaudhry, H.R. Chaudhry, M.T. Ghori, T. Jamil, M. Haissem and B.M. Jayarao. <b>04-08, April, 2016</b> . Spatial distribution of Burkholderia mallei in Punjab, Pakistan. J. Equine Vet Sci. 39: S105.	10 <sup>th</sup> Int Equine Infectious Diseases Conference. Buenos Aires, Argentina <b>IF: 0.73</b>
<b>85.</b>	Asghar S., M. Nawaz, M. A. Ali, M. D. Ahmad, K. Muhammad, <b>A. A. Anjum and M. Khan. 25-28 March, 2015</b> . Evaluation of probiotic potential of locally characterized <i>Lactobacillus spp.</i> In broiler chicks. Pp.: 86	10 <sup>th</sup> Biennial Int. Conference of Pakistan Society for Microbiology University of Punjab
<b>86.</b>	Sana S., <b>A. A. Anjum</b> , M. Nawaz, M. D. Ahmad and K. Khan. <b>3-4, April, 2015</b> . Amylase production potential of indigenous <i>Aspergillus niger</i> isolates from soil of livestock farms. Pp.: 44.	International Livestock, Dairy and Poultry Congress, Lahore, Pakistan
<b>87.</b>	Iqbal M. N., <b>A. A. Anjum</b> , M. A. Ali, S. Wang, S. Ali, A. Muhammad, M. Irfan, A. Ahmad and A. Shabbir. <b>04-06, September, 2015</b> . Characterization of multidrug-resistant bacteria from packed fruit juices sold in Lahore city. Asian J Agri Biol, Special Issue: Pp.: 57	4 <sup>th</sup> International Molecular Biology & Biotechnology Congress and Conference, Life Sciences Society of Pakistan.
<b>88.</b>	Aslam S., <b>A. A. Anjum</b> , M. Nawaz, I. Altaf, M. Wasin, M. A. Ali, S. Firyal, M. Z. Shabbir and H. Saleem. 3-4, November, <b>2015</b> . Isolation, characterization and use of phytases producing bacterial isolates to enhance the phosphorous content of poultry feed. Pp.: 41.	Int. Poultry Nutrition Conference and Expo-15, UVAS, Lahore, Pakistan
<b>89.</b>	Tariq N., <b>A. A. Anjum</b> , M. Nawaz, M. Nasir, A. Hameed, S. Sana and M. A. Ali. 3-4, November, <b>2015</b> . Occurrence of bacterial contaminants in poultry meals and their antibiotic resistance pattern. Pp.: 42	Int. Poultry Nutrition Conference and Expo-15, UVAS, Lahore, Pakistan
<b>90.</b>	Sharif A., M. Ashraf, A. Javeed, <b>A. A. Anjum</b> , B. Akhtar and M. Furqan. 3-4, November, <b>2015</b> . Ameliorating effect of vitamin E on oxidative stress induction caused by chronic exposure to pharmaceutical waste water. Pp.: 46	Int. Human Nutrition Conference and Expo-15. UVAS, Lahore, Pakistan
<b>91.</b>	Ahmad A., <b>A. A. Anjum</b> , M. Rabbani, K. Ashraf, M. A. Ali and S. Sana. 3-4, November, <b>2015</b> . Diversity of phytases producing non-toxicogenic fungi isolated from soil. Pp.: 56	Int. Human Nutrition Conference and Expo-15. UVAS, Lahore, Pakistan
<b>92.</b>	Saeed S., A. S. Hashmi, I. Haq, M. Tayyab, A. R. Awan and <b>A. A. Anjum</b> . 3-4, November, <b>2015</b> . Bioconversion of Agricultural by products to alginate by <i>Azotobacterium vinelandii</i> and physico-chemical	Int. Human Nutrition Conference and Expo-15. UVAS, Lahore, Pakistan

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93.	Bacha U., M. Nasir, S. Iqbal and <b>A. A. Anjum</b> . 3-4, November, <b>2015</b> . Anti-inflammatory effect of $\beta$ -glucan on immune model of dinitrochlorobenzene treated rats. Pp.: 114	Int. Human Nutrition Conference and Expo-15. UVAS, Lahore, Pakistan
94.	Kaloom S., M. Wasim, A. R. Awan, <b>A. A. Anjum</b> , M. S. Shahzad and K. Ramzan. 3-4, November, <b>2015</b> . Retinoblastoma outcomes in different areas of Pakistan and development of molecular based genetic diagnostic test. Pp.: 124	Int. Human Nutrition Conference and Expo-15. UVAS, Lahore, Pakistan
95.	Aqib A. I., M. Ijaz, A. Z. Durrani, <b>A. A. Anjum</b> , S. Sana and S. H. Farooqi 16-17, November, <b>2015</b> . Prevalence and antibiogram of <i>Staphylococcus aureus</i> , a camel mastitigen from Pakistan.	37 <sup>th</sup> All Pakistan Science Conference , PAAS and PCSIR, Pakistan
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97.	Ali R. A., M. Ashraf, A. Rasheed, <b>A. A. Anjum</b> , A. Iqbal, A. B. Khan, A. W. Rathor and M. A. Ali. 16-17, November, <b>2015</b> . Chemical equivalence of different brands of amoxicillin trihydrate and its efficacy against bacterial isolates.	37 <sup>th</sup> All Pakistan Science Conference , PAAS and PCSIR, Pakistan
98.	Sana S., <b>A. A. Anjum</b> , M. Nawaz, M. D. Ahmad and M. Khan. 16-17, November, <b>2015</b> . Starch hydrolyzing potential of non-toxigenic <i>Aspergillus terreus</i> isolates from soil of livestock farms in Lahore, Pakistan.	37 <sup>th</sup> All Pakistan Science Conference , PAAS and PCSIR, Pakistan
99.	Nawaz S., M. A. Rasheed, A. Javeed, <b>A. A. Anjum</b> , M. Ashraf and S. Sana. 16-17, November, <b>2015</b> . <i>In vitro</i> antibacterial and cytotoxic evaluation of <i>Calotropis procera</i> leaves sequential extracts against common poultry pathogens.	37 <sup>th</sup> All Pakistan Science Conference , PAAS and PCSIR, Pakistan
100.	Khan M., <b>A. A. Anjum</b> , M. Ashraf, M. Nawaz, M. D. Ahmad and S. Sana. 16-17, November, <b>2015</b> . Efficacy of <i>Eucalyptus globulus</i> and <i>Calotropis procera</i> extracts against <i>Staphylococcus aureus</i> and <i>Salmonella enterica</i> .	37 <sup>th</sup> All Pakistan Science Conference , PAAS and PCSIR, Pakistan
101.	Alvi S., A. Javeed, M. O. Omer, <b>A. A. Anjum</b> , M. Ashraf and M. Khan. 16-17, November, <b>2015</b> . Antibacterial and cytotoxic evaluation of different extracts of <i>Astragalus membranaceus</i> roots against common poultry pathogens.	37 <sup>th</sup> All Pakistan Science Conference , PAAS and PCSIR, Pakistan
102.	Sana S., <b>A. A. Anjum</b> , M. Nawaz, M. D. Ahmad, M. I. Najeeb, S. Masood and A. Ahmad. 16-17, November, <b>2015</b> . Amylases production potential of indigenous non-toxigenic <i>Aspergillus flavus</i> from soil of livestock	37 <sup>th</sup> All Pakistan Science Conference , PAAS and PCSIR, Pakistan

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<b>103.</b>	Rasool A., M. R. Khan, M. A. Ali, <b>A. A. Anjum</b> , I. Ahmed, A. Aslam, G. Mustafa, S. Masood and M. Nawaz. 16-17, November, <b>2015</b> . Anti-Avian influenza virus H <sub>9</sub> N <sub>2</sub> activity of <i>Zingiber officinalis</i> and <i>Allium sativum</i> aqueous extracts on pathogenicity in chicken embryos.	37 <sup>th</sup> All Pakistan Science Conference , PAAS and PCSIR, Pakistan
<b>104.</b>	Khan S. I., M. R. Khan, A. Aslam, S. Masood, <b>A. A. Anjum</b> , M. A. Ali and A. Khan. 16-17, November, <b>2015</b> . Pathological study of brucellosis in Azi-kheli buffaloes brought for slaughtering in district Swat Khyberpuktunkwa, Pakistan.	37 <sup>th</sup> All Pakistan Science Conference , PAAS and PCSIR, Pakistan
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<b>106.</b>	Raja S. A., M. Ashraf, <b>A. A. Anjum</b> , A. Javeed and M. Nawaz. 16-17, November, <b>2015</b> . Activity of <i>Zingiber officinale</i> essential oil and its various fractions against multi-drug resistant <i>Staphylococcus aureus</i> isolates.	37 <sup>th</sup> All Pakistan Science Conference , PAAS and PCSIR, Pakistan
<b>107.</b>	Qibtia M., A. R. Awan, L. Rukh, S. Firyal, <b>A. A. Anjum</b> , M. Tayyab, M. Wasim and F. Chaudhry. 16-17, November, <b>2015</b> . Molecular characterization of lactase-phlorizin hydrolase (LCT) gene in Pakistani patients with lactose intolerance.	37 <sup>th</sup> All Pakistan Science Conference , PAAS and PCSIR, Pakistan
<b>108.</b>	Asif S., N. Qamar, <b>A. A. Anjum</b> , M. Nawaz, K. Muhammad and M. A. Ali. 16-17, November, <b>2015</b> . Prevalence of multiple drug resistant <i>Salmonella</i> in meat samples of Lahore, Pakistan.	37 <sup>th</sup> All Pakistan Science Conference , PAAS and PCSIR, Pakistan
<b>109.</b>	Najeeb M. I., I. Hanif, M. D. Ahmad, <b>A. A. Anjum</b> , J. Nazir, A. Hanif, S. Firyal and M. A. Ali. 16-17, November, <b>2015</b> . Screening of indigenous Microalgae for antibacterial and antifungal activities.	37 <sup>th</sup> All Pakistan Science Conference , PAAS and PCSIR, Pakistan
<b>110.</b>	Wajid A., S. F. Rehmani, I. Hussain, T. Bibi, A. Basharat, S. Feryal, M. Tayyab, T. Yaqub, <b>A. A. Anjum</b> , A. R. Awan and M. Wasim. 16-17, November, <b>2015</b> . Biological and genomic characterization of Newcastle disease virus from Pakistan.	37 <sup>th</sup> All Pakistan Science Conference , PAAS and PCSIR, Pakistan
<b>111.</b>	Awan A. R., S. Firyal, <b>A. A. Anjum</b> , M. Tayyab and M. Wasim. 16-17, November, <b>2015</b> . Role of “OMICS” in nutrition; present and future prospective.	37 <sup>th</sup> All Pakistan Science Conference , PAAS and PCSIR, Pakistan
<b>112.</b>	Firyal S., M. Tayyab, M. Wasim, <b>A. A. Anjum</b> and A. R. Awan. 16-17, November, <b>2015</b> . Molecular characterization of Pakistani pigeon breeds through mitochondrial D-loop.	37 <sup>th</sup> All Pakistan Science Conference , PAAS and PCSIR, Pakistan
<b>113.</b>	Ashraf M., <b>A. A. Anjum</b> , S. A. Raja, M. A. Rasheed and M. Khan. 16-18, November, <b>2015</b> . Risks associated	3 <sup>rd</sup> Int. Workshop Dairy Science Park, University of

	with the use of antimicrobial agents as feed additives. Pp.: 41	Agriculture, Faisalabad
114.	Javaid S., M. Ashraf, M. A. Rasheed and <b>A. A. Anjum</b> . 16-18, November, <b>2015</b> . Evaluation of antibacterial activity of macrolides in combination with levamisole HCl against different pathogenic bacteria. Pp.: 22	3 <sup>rd</sup> Int. Workshop Dairy Science Park, University of Agriculture, Faisalabad
115.	Shoaib S., M. A. Rasheed, M. Ashraf, <b>A. A. Anjum</b> . 15-18, December <b>2015</b> . Antibacterial and cytotoxic evaluation of different extracts of <i>Parthenium hysterophorus</i>	2 <sup>nd</sup> Int. Conference on Infectious Diseases and Nanomedicine, Nepal
116.	<b>Khan H. M., M. Ashraf, M. D. Ahmad, A. S. Hashmi and A. A. Anjum</b> . 19-20 March, <b>2014</b> . Comparative efficacy of glycosaminoglycans extracted from chicken keel cartilage and fish in relation to clinical score reduction and CTX-II estimation in an induced osteoarthritis albino rat model.	Int. Conference and Expo-2014, Recent developments in human nutrition, UVAS
117.	Farooq H.R., <b>A.A. Anjum</b> , K. Muhammad, M.D. Ahmad, M.A. Ali and M. Nawaz. 19-20 March, <b>2014</b> . Microbiological quality assessment of fresh fruit juices and milk shakes in Lahore. Pp.: 113	Int. Conference and Expo-2014, Recent developments in human nutrition, UVAS
118.	Hussain I., M. Ayaz, I. Javed, <b>A. A. Anjum</b> and R. Ullah. 19-20 March, <b>2014</b> . Isolation and molecular characterization of enterotoxigenic strains of <i>Staphylococcus aureus</i> from raw milk. Pp.: 111	Int. Conference and Expo-2014, Recent developments in human nutrition, UVAS
119.	Irshad S., M. Faisal, A. S. Hashmi, M. M. Javed, M. E. Baber, A. R. Awan and <b>A. A. Anjum</b> . 19-20 March, <b>2014</b> . Mass production and recovery of L-lysine by microbial fermentation using <i>Brevibacterium flavum</i> . Pp.: 68	Int. Conference and Expo-2014, Recent developments in human nutrition, UVAS
120.	Ahmad A.N., M. Akhtar, <b>A.A. Anjum</b> , A. Ahmad and M. Aziz. 16-17 October, <b>2014</b> . Prevalence of <i>Campylobacter</i> in raw bovine milk collected from district Multan, Pakistan. Pp.: Pp.: 53	1st Int. Conference on Zoonoses, BZU, Multan, Pakistan
121.	Ahmad A.N., M. Akhtar, <b>A.A. Anjum</b> , M.T. Sultan and F. Bibi. 16-17 October, <b>2014</b> . Magnitude of <i>Campylobacter</i> infections and antibiotic resistance in poultry meat and its correlation with Campylobacteriosis in humans. Pp.: 54	1st Int. Conference on Zoonoses, BZU, Multan, Pakistan
122.	Ahmad M.S., A. Maqbool, <b>A.A. Anjum</b> , M.A. Ali, M.D. Ahmad and A.N. Ahmad. 16-17 October, <b>2014</b> . Influence of season, age and sex on prevalence of <i>Leishmania spp.</i> in rats and mice of Lahore city, Pakistan. Pp.: 55	1st Int. Conference on Zoonoses, BZU, Multan, Pakistan
123.	Ahmad M.S., A. Maqbool, <b>A.A. Anjum</b> , M.A. Ali, M. Nawaz and A.N. Ahmad. 16-17 October, <b>2014</b> . Rodents from urban habitats of Lahore-Pakistan as zoonotic vectors of <i>Hymenolepis nana</i> . Pp.: 56	1st Int. Conference on Zoonoses, BZU, Multan, Pakistan

124.	Akhtar A., Z. I. Chaudhary, Y. O. He, M. Younus, <b>A. A. Anjum. 2014.</b> Differential Antibrucella Activity of Bovine and Murine Macrophages. <i>Int. J. Anim. Vet. Sci.</i> 1(11): 80	World Academy of Science, Engineering and Technology
125.	Akram S. K., M. Ashraf, M. A. Rasheed and <b>A. A. Anjum. 25-26 April, 2013.</b> Mutagenic and cytotoxic evaluation of various NSAIDS using AMES test and MTT Assay. Pp.: 16	Int. Conference on Pharmaceutical Toxicology, UVAS, Pakistan
126.	Khan H. M., M. Ashraf, M. D. Ahmad, A. S. Hashmi, N. Hussain and <b>A. A. Anjum. 25-26 April, 2013.</b> Efficacy of Glycosamines in pain induced osteoarthritis rat model in relation to histological lesion scoring. Pp.: 38	Int. Conference on Pharmaceutical Toxicology, UVAS, Pakistan
127.	Anwar K., M. Ashraf, S. Ejaz, A. Javeed, M. A. Rasheed, <b>A. A. Anjum. 25-26 April, 2013.</b> Cytotoxicity test for drug discovery. Pp.: 44	Int. Conference on Pharmaceutical Toxicology, UVAS, Pakistan
128.	Sattar M. M. K., <b>A. A. Anjum</b> , T. Yaqub, M. R. Khan and M. Nawaz. <b>2 August, 2013.</b> Production purification and evaluation of anti-tetanus serum.	5 <sup>th</sup> Congress of European Microbiologists
129.	Ijaz T., S Aslam, S. A. Raja, B. Ahmad, <b>A. A. Anjum</b> and S. Ijaz. <b>01 September, 2013.</b> A study of antibiogram assay, risk factors and etiology of ventilator associated pneumonia (VAP) in a tertiary care hospital of Pakistan. Abstract Number: 4741, Publication Number: P2745	European Respiratory Society Annual Congress 2013, <b>IF: 6.355</b>
130.	Shakir L., M. Ashraf, S. Ejaz, A. Javeed, <b>A. A. Anjum. 30 October-02 November, 2013.</b> Histopathological lesions caused by chronic consumption of chromium loaded effluents.	18 <sup>th</sup> Int. Pharmacy Conference & Exhibition Pakistan.
131.	Anwar K., M. Ashraf, A. Javeed and <b>A. A. Anjum. 30 October-02 November, 2013.</b> Emission of auto-riksaws and angiogenesis.	18 <sup>th</sup> Int. Pharmacy Conference & Exhibition Pakistan.
132.	Khan M., <b>A. A. Anjum</b> , M. D. Ahmad, M. Nawaz and J. Nazir. <b>2-5 November, 2013.</b> Toxinotyping and antimicrobial susceptibility of enterotoxigenic <i>Clostridium perfringens</i> isolates from Mutton, Beef and chicken meat. Pp.: 28	DDA-HEC international summer school, "Food security in times of climate change"
133.	Akram Q., K. Muhammad, M. Rabbani, K. Ashraf, <b>A. A. Anjum</b> , J. Nazir, A. Ali and M. Farooq. <b>18-20 November, 2013.</b> Antibody response of buffalo calves to different levels of Foot and Mouth disease virus immunogen. Pp.: 40	2 <sup>nd</sup> Int. Workshop Dairy Sci. Park, Uni. Agri. Peshawar, Pakistan
134.	Mehmood S., M. Lateef, M. O. Omer, K. Saeed, A. Maqbool, <b>A. A. Anjum</b> and G. Nadeem. <b>18-20 November, 2013.</b> Adulticidal and larvicidal activity of	2 <sup>nd</sup> Int. Workshop Dairy Sci. Park, Uni. Agri. Peshawar, Pakistan

	<i>Cassia fistula</i> and <i>Piper nigrum</i> against malaria vector. Pp.: 62	
135.	Alam M. I., M. Ayaz, I. Javed, <b>A. A. Anjum</b> , S. Inayat and M. Junaid. <b>18-20 November, 2013</b> . Effect of various concentrations of hydrogen peroxide on chemical and microbiological quality of raw buffalo milk. Pp.: 168	2 <sup>nd</sup> Int. Workshop Dairy Sci. Park, Uni. Agri. Peshawar, Pakistan
136.	Shahzad M., M. R. Khan, M. Younus, A. Aslam, <b>A. A. Anjum</b> , S. Masood, S. Umer and M. Ahmad. <b>26-27 January, 2012</b> . Toxicopathological and hematological study in Japanese quail ( <i>Coturnix coturnix japonica</i> ) experimentally exposed to Ochratoxin A and Aflatoxin B1. Pp.: 73	Int. Conference of Toxicology, UVAS, Lahore.
137.	Khan M. R., M. Shahzad, M. Younus, <b>A. A. Anjum</b> , I. Ali, S. Masood, A. Javeed and M. Ahmad. <b>26-27 January, 2012</b> . Pathology studies induced by Ochratoxin A and Aflatoxin B1 in Japanese quail ( <i>Coturnix coturnix japonica</i> ). Pp.: 72	Int. Conference of Toxicology, UVAS, Lahore.
138.	Ali M. A., M. D. Ahmad, K. Muhammad, <b>A. A. Anjum</b> , G. Naz, M. Kamran and M. I. Najeeb. <b>26-27 January, 2012</b> . Influence of seasonal dynamics on prevalence of soil mycoflora. Pp.: 47	Int. Conference of Toxicology, UVAS, Lahore.
139.	Ali M. A., G. Naz, <b>A. A. Anjum</b> , K. Muhammad, M. D. Ahmad, M. I. Najeeb and S. Hameed. <b>26-27 January, 2012</b> . Identification and characterization of soil borne Mycotoxins producing <i>Aspergillus</i> species. Pp.: 46	Int. Conference of Toxicology, UVAS, Lahore.
140.	Naz G., <b>A. A. Anjum</b> , K. Muhammad, M. D. Ahmad, M. A. Ali and A. Ahmad. <b>26-27 January, 2012</b> . Season wise distribution of air particulate matter identified as moulds from Lahore, Pakistan. Pp.: 44	Int. Conference of Toxicology, UVAS, Lahore.
141.	Shakir L., M. Ashraf, S. Ijaz, A. Javeed and <b>A. A. Anjum</b> . <b>26-27 January, 2012</b> . Evaluation of changes induced by tannery effluent wastewater on physiological angiogenesis using chorioallantoic membrane model. Pp.: 42	Int. Conference of Toxicology, UVAS, Lahore.
142.	Anwar K., M. Ashraf, S. Ijaz, A. Javeed and <b>A. A. Anjum</b> . <b>26-27 January, 2012</b> . Effect of particulate matter of two stroke and four stroke auto-rickshaw on angiogenesis. Pp.: 40	Int. Conference of Toxicology, UVAS, Lahore.
143.	Shakir L., M. Ashraf, S. Ijaz, A. Javeed and <b>A. A. Anjum</b> . <b>26-27 January, 2012</b> . Characterization of tannery effluent wastewater by proton-induced X-ray emission (PIXE) analysis to investigate their role in water pollution. Pp.: 39	Int. Conference of Toxicology, UVAS, Lahore.
144.	Naz G., <b>A. A. Anjum</b> , K. Muhammad, M. D. Ahmad, M. A. Ali and A. Rasool. <b>26-27 January, 2012</b> . Characterization and Seasonal variation in occurrence of airborne toxigenic <i>Aspergilli</i> . Pp.: 31	Int. Conference of Toxicology, UVAS, Lahore.
145.	Shakir L., S. Ejaz, M. Ashraf, N. A. Qureshi, <b>A. A. Anjum</b> , I. Altaf and A. Javeed. <b>26-27 January, 2012</b> . Eco-toxicological risks associated with tannery effluent waste water. Pp.: 30.	Int. Conference of Toxicology, UVAS, Lahore.

146.	Ijaz T., S. A. Raja, M. Ashraf, N. U. Hassan, A. Javeed, <b>A. A. Anjum</b> , T. Mahmud and S. Aslam. <b>2012</b> . Etiology, antibiotic resistance and risk factors associated with ventilator associated pneumonia among the patients in a surgical intensive care unit.	17 <sup>th</sup> Congress of Asian Pacific Society of Respirology, Hong Kong. <b>IF: 2.781</b>
147.	Shakir L., M. Ashraf, S. Ejaz, A. Javed and <b>A.A. Anjum</b> . <b>6–8 March, 2012</b> . Effect of tannery effluent waste water on blood vessel proliferation. Pp.: 23.	32 <sup>nd</sup> Pakistan Congress of Zoology, GC, University, Lahore.
148.	Muhammad J., <b>A. A. Anjum</b> , K. Muhammad, M. Wasim, M. Rabbani, A. Ahmad, A. A. Sheikh, and M. A. Ali. <b>6-8 September, 2012</b> . <i>In-vitro</i> efficacy of neem, garlic and glycerhiza against local isolates of <i>Mycoplasma gallisepticum</i> . Pp.: 11	Int. Conference on Research Methodology, University of Punjab, Pakistan
149.	Shakir L., M. Ashraf, S. Ejaz, A. Javeed and <b>A. A. Anjum</b> . <b>6-8 September, 2012</b> . Immunological investigation to study neuronal loss and microglial activations influenced by tannery effluent waste water in rat brain. Pp.: 15	Int. Conference on Research Methodology, University of Punjab, Pakistan
150.	Ali M. A., M. D. Ahmad, K. Muhammad, <b>A. A. Anjum</b> , H. M. Khan and S. Abbas. <b>7-8 November, 2012</b> . Protein profiling of Methicillin resistant <i>Staphylococcus aureus</i> isolates from human skin. Pp.: 33	1 <sup>st</sup> National Symposium on “New Horizons of Microbiology” Karachi
151.	Hanif K., K. Muhammad, <b>A. A. Anjum</b> , M. S. Khan, J. Nazir and M. Nawaz. <b>7-8 November, 2012</b> . Optimization of polymerase chain reaction for the detection of <i>Clostridium chauvoei</i> in clinical specimen from cattle. Pp.: 38	1 <sup>st</sup> National Symposium on “New Horizons of Microbiology” Karachi
152.	Noreen F., A. Hanif, K. Muhammad, I. Ahmad, <b>A. A. Anjum</b> and M. A. Ali. <b>7-8 November, 2012</b> . Development and optimization of multiplex polymerase chain reaction for the identification of meat of different species. Pp.: 58	1 <sup>st</sup> National Symposium on “New Horizons of Microbiology” Karachi
153.	Shahzad K. A., K. Muhammad, A. A. Sheikh, T. Hussain, T. Yaqub, <b>A. A. Anjum</b> and M. Anees. <b>4 March, 2011</b> . Isolation and Molecular characterization of shiga toxin producing <i>E. coli</i> O157 from Raw milk and beef marketed in Lahore city, Pakistan. Abstract Number: ICFH-676	2 <sup>nd</sup> Int. Congress of Food Hygiene, Tehran, Iran
154.	Shakir L., M. Ashraf, S. Ejaz, A. Javeed and <b>A. A. Anjum</b> . <b>8-9 March, 2011</b> . Chemical, microbiological and toxicological screening of tannery effluent wastewater. Pp.: 6	National Seminar and Workshop on Environmental Toxicology and Health. UVAS, Lahore
155.	Ali R. A., M. Ashraf, M. A. Rasheed and <b>A. A. Anjum</b> . <b>8-9 March, 2011</b> . Chemical equivalence of different brands of amoxicillin trihydrate and its minimum inhibitory concentration against common environmental bacteria. Pp.:	National Seminar and Workshop on Environmental Toxicology and Health. UVAS, Lahore

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<b>156.</b>	Naz S., <b>A. A. Anjum</b> , A. Maqbool, M. D. Ahmad, A. Hanif, G. Nadeem and A. Akhtar. <b>8-9 March, 2011.</b> Evaluation of larvicidal effect of local isolates of <i>Bacillus thuringiensis</i> against mosquito vectors. Pp.: 41	National Seminar and Workshop on Environmental Toxicology and Health. UVAS, Lahore
<b>157.</b>	Umar S., M. Younus, M. R. Khan, <b>A. A. Anjum</b> , S. Masood and M. Ahmad. <b>8-9 March, 2011.</b> Toxicopathological and immune-suppressive effects in broilers induced by concurrent exposure to aflatoxin B1 and Ochratoxin A. Pp.: 46	National Seminar and Workshop on Environmental Toxicology and Health. UVAS, Lahore
<b>158.</b>	Shakir L., M. Ashraf, S. Ijaz, N. Ahmad, A. Javeed and <b>A. A. Anjum.</b> <b>8-9 March, 2011.</b> Quantification of impact of the tannery effluent waste water on the ground water of Kasur city through PIXE. Pp.: 54	National Seminar and Workshop on Environmental Toxicology and Health. UVAS, Lahore
<b>159.</b>	Ali M. A., M. D. Ahmad, <b>A. A. Anjum</b> and M. I. Najeeb. <b>19-21 April, 2011.</b> Multiple drug resistant (MDR) bacteria in mastitic milk of buffaloes. Pp.: 34	31 <sup>st</sup> Pakistan Congress of Zoology, AJK University, Pakistan
<b>160.</b>	Habib I., <b>A.A. Anjum</b> , M. Rabbani, K. Muhammad and M.A. Ali. <b>19-21 April, 2011.</b> Prevalence of multiple drug resistant (MDR) bacteria in intestinal infections of dogs. Pp. 36	31 <sup>st</sup> Pakistan Congress of Zoology, AJK University, Pakistan
<b>161.</b>	Shakir L., M. Ashraf, A. Javeed, <b>A. A. Anjum</b> and N. A. Qureshi. <b>28<sup>th</sup> April to 1<sup>st</sup> May, 2011.</b> Evaluation of toxic Burden of effluent waste water of tannery industry on brine shrimps.	16 <sup>th</sup> Int. Pharmacy Conference and Exhibition, Lahore
<b>162.</b>	Sadique U., Z. I. Chaudhry, M. Y. Rana and <b>A. A. Anjum</b> , A. Sajid, M. Mushtaq, M. Saleem, M. Idrees and S. M. Sabtain. <b>21-23 November, 2011.</b> Pathobiological characterization of contagious caprine pleuropneumonia (CCPP) in small ruminants of Khyber Pakhtunkhwa, Pakistan. Pp.: 27	Int. Workshop On Dairy Science Park, Agri. University Peshawar Pakistan.
<b>163.</b>	Sadique U., Z. I. Chaudhry, M. Y. Rana, <b>A. A. Anjum</b> , A. Sajid, M. Mushtaq, M. Saleem and M. Idrees. 21-23 November, 2011. Study on pathogenesis of contagious caprine pleuropneumonia (CCPP) in small ruminants of Khyber Pakhtunkhwa, Pakistan. Pp.: 32	Int. Workshop On Dairy Science Park, Agri. University Peshawar Pakistan.
<b>164.</b>	Latif A. A., A. Tanveer, <b>A. A. Anjum</b> and M. A. Ali. <b>16-18 August, 2010.</b> Characterization of hydatid cyst fluid from ruminants and humans by SDS-PAGE. Abstract Number: 72	XIIth International Congress of Parasitology Melbourne, Australia
<b>165.</b>	Rashid A., S. Afzal, M. Ashraf, A. Javeed and <b>A. A. Anjum.</b> <b>27-30 October, 2009.</b> Pharmacokinetic studies of amoxicilline trihydrate in healthy buffalo calves. Pp.: 71	6 <sup>th</sup> Asian Buffalo Congress, UVAS, Lahore
<b>166.</b>	Mandokhail K., I. Hussain, A. A. Anjum, A. Hanif. <b>27-30 October, 2009.</b> Numerical analysis of polypeptides profiles of <i>Escherchia coli</i> isolates of Buffalo calves suffering from white scour. Pp.: 74	6 <sup>th</sup> Asian Buffalo Congress, UVAS, Lahore
<b>167.</b>	Hanif A., K. Muhammad, <b>A. A. Anjum</b> and M. I. Najeeb. <b>27-30 October, 2009.</b> Anti-mortem diagnosis of buffalo	6 <sup>th</sup> Asian Buffalo Congress, UVAS, Lahore



	Rabies using saliva sample by reverse transcriptase polymerase chain reaction. Pp.: 91	
<b>168.</b>	<b>Anjum A. A.</b> , I. Hussain, M. Ashfaq, R. Ahmad and M. T. Tahir. <b>27 March, 1998.</b> Purification and Molecular Characterization of Angara Disease Agent. Pp.: 5	Int. Seminar on Microbial Diseases of Livestock and Poultry, CVS Lahore Pakistan.
<b>169.</b>	Tahir M., <b>A. A. Anjum</b> , R. Ahmad, I. Hussain and M. Ashfaq. <b>27 March, 1998.</b> A Modified counter immunoelectrophoresis technique. Pp.: 20	Int. Seminar on Microbial Diseases of Livestock and Poultry, CVS Lahore Pakistan.
<b>170.</b>	Khan, I. H., I. Hussain, M. Ashfaq and <b>A. A. Anjum.</b> <b>1996.</b> Molecular Characterization of Hydro Pericardium Syndrome Agent.	Agri. Biochem. Biotech. UAF, Pakistan
<b>171.</b>	<b>Anjum A. A.</b> , I. Hussain, M. Ashfaq, I. H. Khan and M. Akhtar. <b>1996.</b> Polypeptide Mapping of Infectious Bursal Disease Virus.	Agri. Biochem. Biotech. UAF, Pakistan
<b>172.</b>	Khan H. A., M. Ashfaq, I. Hussain, <b>A. A. Anjum</b> and M. A. Khan. <b>1996.</b> Polypeptides and Nucleic Acid Identification of Hydropericardium Syndrome Agent.	Agri. Biochem. Biotech. UAF, Pakistan
<b>173.</b>	Tabassum R. M. Ashfaq, I. Hussain and <b>A. A. Anjum.</b> <b>1996.</b> In Ovo Vaccination against New Castle Disease.	Agri. Biochem. Biotech. UAF, Pakistan

## BOOKS/MANUALS

<b>Sr. No.</b>	<b>Title of Publication/Book/Manual/Popular article</b>	<b>Publisher</b>
<b>1.</b>	Phonemical approach in diagnostics. Anam Munir and Prof. Dr. Aftab Ahmad Anjum. November 28, 2022.	Daily Notable
<b>2.</b>	Gene expression studies. Mian Muhammad Khubaib Sattar and <b>Prof. Dr. Aftab Ahmad Anjum.</b> 13-05-2022.	Pakistan Observer
<b>3.</b>	A Laboratory Manual for Culturing and Maintenance of Baby hamster Kidney Cell line (BHK-21) <i>in vitro</i> . Dr. Imran Altaf , <b>Prof. Dr. Aftab Ahmad Anjum,</b> <b>2019.</b> ISBN No. 978-969-232-75-0-3.	Khalid Printer (Pvt) Ltd
<b>4.</b>	Aflatoxins: A contamination issue in livestock, 24 December, 2018.	Pakistan Today
<b>5.</b>	Milk production, processing and marketing (ISBN 978-953-51-6587-9), Amjad Islam Aqib, <b>Aftab Ahmad Anjum</b> , Muhammad Ijaz, Shahid Hussain Farooqi, Muhammad Shoaib, Muhammad Fakhar-e-Alam kulyar, 2018.	Khalid Publishers (pvt) limited, Urdu Bazaar, Lahore
<b>6.</b>	Livestock farm's soil evaluated for presence of starch hydrolyzing fungi, 2017.	The Nation
<b>7.</b>	Beating and infectious super bug when antibiotics fail, 2017.	The Pakistan Times
<b>8.</b>	Ticks transfer Babesiosis (Tick fever) in pet dogs, 2017.	The Pakistan Times

9.	Pathobiology, Microbiology Section. M.D. Ahmad, A.A. Anjum, I. Najeeb, K. Muhammad, M. Rabbani, M.A. Ali, 2016.	ICE,UVAS, Lahore
10.	<i>Mycoplasma synoviae</i> , a covert adversary to poultry industry in Pakistan, 2016.	<b>Pakistan Times</b>
11.	Punjab’s livestock farms inadvertently aid poultry industry, <b>2016.</b>	<b>Daily Times</b>
12.	A Practical Manual of BASIC CELL CULTURE TECHNIQUES, 2015.	Khalid Publishers (pvt) limited, Urdu Bazaar, Lahore
13.	A hand book of Microbiology GENERAL CHARACTERISTICS AND DIAGNOSIS OF PATHOLOGICALLY IMPORTANT GRAM POSITIVE BACTERIA, 2014.	Khalid Publishers (pvt) limited, Urdu Bazaar, Lahore
14.	Laboratory Manual QUALITY CONTROL OF MLIK, 2014.	amazon.co.uk
15.	INTRODUCTION TO VETERINARY BIOTECHNOLOGY, 2013	amazon.co.uk
16.	Basic Microbiology, 2007.	ICE,UVAS,LHR

## TRAININGS/CONFERENCES/WORKSHOPS:

Sr. No.	Title	Organized/Participated
1.	Two days Training workshop on “ <b>Detection Techniques for mycotoxins and toxigenic fungi in food &amp; feed</b> ”. Organized by Institute of Microbiology, UVAS, Lahore, on <b>December 6-7, 2023.</b>	Chief organizer and Resource Person
2.	World egg day 2023 “ <b>Technical symposium on Nutrition value of eggs, busting myths and misconceptions</b> ” Organized by The university of Lahore. <b>October 13, 2023.</b>	Participation
3.	National seminar on “ <b>Emerging Trends In Climate Change Adaptations</b> ” Riphia College of Veterinary Sciences, Riphia International University, Lahore, <b>September 4, 2023.</b>	Participation
4.	One day training session titled “ <b>China-Pakistan training forum of major livestock disease control</b> ”. Organized by Institute of Microbiology, UVAS, Lahore, Pakistan and China Agriculture University China, on <b>November 14, 2023.</b>	Convener, Organizing committee and Resource Person
5.	Two days hands on training workshop on “ <b>Building the capacity of Laboratory Professionals in Bio-risk Assessment: The New WHO Approach</b> ” Organized by Institute of Microbiology, UVAS, Lahore and Department of Biosciences, Shifa Tameer-e- Millat University, Islamabad. <b>December 8-9, 2023.</b>	Chief Organizer
6.	Two days Training workshop on “ <b>Cyber-Biosecurity</b> ”. Organized by Institute of Microbiology, UVAS, Lahore, Government College University, Faisalabad and Health Security Partners, USA on <b>October 25-26, 2023.</b>	Chief Organizer
7.	<b>Poultry Science Conference (PSC@IPEX2023).</b> Organized by UVAS and Pakistan Poultry Association, Pakistan <b>September 21-23, 2023.</b>	Convener, Organizing Committee
8.	One day Training session on “ <b>One day hands on training workshop on operation</b> ”	Chief Organizer

	<b>of Lab equipments</b> ". Organized by Institute of Microbiology, UVAS, Lahore, in collaboration with The Worldwide Scientific, Pakistan on <b>August 16, 2023</b> .	
9.	Two days hands on training on <b>"16S rRNA Gene based metagenomic data analysis and its implications"</b> . Organized by Institute of Microbiology, UVAS, Lahore, <b>August 01-02, 2023</b> .	Resource Person
10.	<b>One day training workshop on "Immunophenotyping of Poultry Immune cells for vaccine research using Flow cytometry"</b> . Organized by Institute of Microbiology, UVAS, Lahore, <b>June 6, 2023</b> .	Resource Person
11.	39 <sup>th</sup> All Pakistan International Science Conference 2022, 14 &15 December on Emerging health issues in Pakistan. Organized by, PAAS and UVAS, Lahore	Convener organizing committee
12.	Hands on training on <b>Microbiological techniques</b> . September 21, 2022 – December 06, 2022. Organized by Institute of Microbiology, FVS, UVAS, Lahore	Resource person
13.	<b>Poultry Science Conference (PSC@IPEX2022)</b> . September 15-17, 2022. Organized by UVAS and Pakistan Poultry Association, Pakistan	Convener organizing committee
14.	National training workshop on <b>Practical demonstration of basic cell culture techniques</b> , August 2-3, <b>2022</b> .	Resource person
15.	Two days hands on training on <b>16S metagenomics: Data analysis and applications</b> , June 2-3, <b>2022</b> .	Resource person
16.	<b>One day BRM refresher training at Anthrax Lab</b> , Institute of Microbiology and Association for Biorisk Management In collaboration with Health Security Partners and UVAS, Lahore, May 10, <b>2022</b> .	Participation
17.	Two days hands on training on <b>Molecular detection of Lumpy skin disease virus (LSDV) in cattle and guidelines for its control and prevention</b> , March 31-April01, <b>2022</b> .	Resource person
18.	<b>Biomass and toxins optimization of <i>Clostridium perfringens</i> toxinotype D under dynamic parameters</b> . December 23-12, 2021. 13 <sup>th</sup> International Biennial Conference, Pakistan Society for Microbiology (TIBC-PSM-2021). Organized by Department of Microbiology, Government College University Faisalabad, Punjab, Pakistan	Key note speaker
19.	COMPLETE BLOOD COUNT AND ITS INTERPRETATION June 16-22, 2021 Organized by University Diagnostic Lab, Institute of Microbiology, University of Veterinary and Animal Sciences, Lahore.	Resource Person
20.	3-Days Training on <b>"WORKING IN BSL-3 LABORATORY FOR EMERGING PATHOGENS"</b> . July 06-08, 2021 Organized by Institute of Microbiology, University of Veterinary and Animal Sciences, Lahore.	Resource Person
21.	<b>DIAGNOSIS OF COVID-19 USING RT-PCR" AT BSL-3 LABORATORY FOR EMERGING PATHOGENS</b> . July 13-14, 2021 Organized by Institute of Microbiology, University of Veterinary and Animal Sciences, Lahore.	Resource Person
22.	13 <sup>th</sup> International Biennial Conference, Pakistan Society for Microbiology (TIBC-PSM-2021). Organized by Department of Microbiology, Government College University Faisalabad, Punjab, Pakistan December 22, 2021	Chaired technical session
23.	05 days Virtual Training on Biorisk Management At Anthrax lab, IOM, UVAS, Lahore, Pakistan.. Organized by Association for Biorisk Management in collaboration with Health Security Partners and UVAS, Lahore. June 28- July 02, 2021	<b>Participation</b>
24.	Prevention, identification and management of infections in health workers in the context of COVID-19. Organized by World Health Organization under Health	<b>Participation</b>

	Emergencies programme July 09, 2021.	
25.	Writing a comprehensive grant proposal. January 21-23, 2020. Organized by Department of Microbiology, University of Veterinary and Animal Sciences, Lahore.	Resource Person
26.	First National Conference on Entrepreneurship Avenues in Biological Sciences. Januar 8-9, 2020. Organized by Department of Biology, Garrison University, Lahore	Participated
27.	Laboratory biosafety, equipment maintenance and waste disposal for Laboratory Assistants of L&DD, Punjab. October 13-15, 2020. Organized by Institute of Microbiology, University of Veterinary and Animal Sciences, Lahore.	Resource Person
28.	Mastitis Pathogenic Agents ‘Spectrum in cows’. 2 <sup>nd</sup> Annual Bovine Udder Health Symposium, 27 <sup>th</sup> November, 2019. Organized by UVAS, Lahore.	Resource Person
29.	“Sampling Techniques for isolation of Pathogenic bacteria from food samples” Advanced Detection of Food Borne Pathogens. Organized by Department of Microbiology University of Veterinary and Animal Sciences, Lahore. 26-27 <sup>th</sup> December, 2019.	Resource Person
30.	International Buffalo Congress (IBC 2019). University of Veterinary and Animal Sciences, Lahore. 18-19 <sup>th</sup> February 2019.	Participated
31.	Two days Training Workshop on Patent Drafting. Organized by In service training facility of Advance Veterinary Education and Professional Development for Veterinary Professional Development in collaboration with UVAS Lahore. 18-19 <sup>th</sup> June 2019.	Participated
32.	2 <sup>nd</sup> Annual Bovine Udder Health Symposium, 27 <sup>th</sup> November, 2019. Organized by UVAS, Lahore.	Participated
33.	Convener Organizing Committee, Poultry Science Conference (PSC@IPEX 2019). Organized by University of Veterinary and Animal Sciences and Pakistan Poultry Association. Lahore. 13-15 <sup>th</sup> September 2019.	Convener
34.	Molecular typing and Antimicrobial Susceptibility of <i>Clostridium perfringens</i> from Broiler Chicken in International Conference on Trans-Boundary Diseases of Veterinary and Public health. 4 <sup>TH</sup> - 6 <sup>TH</sup> Oct 2018	Resource Person
35.	Molecular tools in the study of viral diagnosis, characterization and evolutionary analysis. International Training Course on Poultry Viral Diagnostics. UVAS Lahore and Royal Veterinary College of London. March 5th to 12th 2018	Resource Person
36.	Fungus culture, National Training Workshop Cell Culture Techniques for The Production of Biologics Institute of Biochemistry and Biotechnology UVAS Lahore. 24 <sup>th</sup> - 25 <sup>th</sup> Oct 2018	Resource Person
37.	Polymerase chain reaction, in Advanced Lab Techniques, Department of Microbiology University of Veterinary and Animal Sciences, Lahore. 10 <sup>th</sup> -12 <sup>th</sup> Jan 2018	Resource Person
38.	38 <sup>th</sup> All Pakistan Science Conference, College of Earth and Environmental Sciences (CEES), University of the Punjab, Lahore. 10 <sup>th</sup> -11 <sup>th</sup> Dec 2018	Participated
39.	2 <sup>nd</sup> Workshop For Biosafety Officers (BSO), Institutional Biosafety	Participated

	Committee (IBC), UVAS Lahore.13 <sup>th</sup> - 14 <sup>th</sup> April 2018	
40.	1 <sup>st</sup> Workshop For Biosafety Officers (BSO), Institutional Biosafety Committee (IBC), UVAS Lahore. 12 <sup>th</sup> April, 2018	Participated
41.	Bovine Udder Health Symposium 2018, University of Veterinary and Animal Sciences, Lahore. 15 <sup>th</sup> May 2018	Participated
42.	Convener Organizing Committee, Poultry Science Conference (PSC@IPEX 2018). Organized by University of Veterinary and Animal Sciences and Pakistan Poultry Association. Lahore. 27-29 <sup>th</sup> September 2018	Convener
43.	In A hands on Workshop on “Sub-typing of avian Influenza Virus targeting “H” and “N” genes by using RT-PCR“ organized by QOL, University of Veterinary and Animal Sciences, Lahore from 25-27 <sup>th</sup> July, 2017	Resource Person
44.	In Two Days National Workshop “Role of Migratory Birds in Disease Dissemination” organized by Department of CMS, University of Veterinary and Animal Sciences, Lahore from 15-16 <sup>th</sup> November, 2017	Resource Person
45.	International Parasitology Conference “Recent Advances & Emerging Issues in Parasitology” organized by Pakistan society of Parasitology / Department of Parasitology, University of Veterinary and Animal Sciences, Lahore on October 25-26, 2017	Participated
46.	One Health International conference (OHC 2017) organized by CVAS, Jhang, University of Veterinary and Animal Sciences, Lahore on November 13-15, 2017	Participated
47.	National Workshop on Chromatographic Techniques organized by QOL, University of Veterinary and Animal Sciences, Lahore on October 30-31, 2017	Participated
48.	Poultry Science Conference, International Poultry Expo-2017organized by Pakistan Poultry Association in collaboration with University of Veterinary and Animal Sciences, Lahore at Expo Center, Johar Town, Lahore on August 24-26, 2017	Convener
49.	in 1st International Conference on poultry Processing: farm to Fork Management organized by Department of Poultry Production, University of Veterinary and Animal Sciences, Lahore on November 01-02, 2017	Participated
50.	Advanced Laboratory Techniques-I, 20-22 July, 2016. Department of Microbiology, UVAS, Lahore	Resource Person
51.	International Livestock, Dairy and Poultry Congress. April 3-4, 2015. Pakistan Veterinary Medical Association (PVMA), Punjab, Lahore	Participated
52.	International Human Nutrition conference and expo-15, November 3-4, 2015. University of Veterinary and Animal Sciences, Lahore	Participated
53.	Amylases production potential of indigenous non-toxigenic <i>Aspergillus flavus</i> from soil of livestock farms, 16-17 November, 2015. PAAS and PCSIR, Lahore	Resource Person
54.	Basic Laboratory Techniques, 03-07 August, 2015. Department of Microbiology, UVAS, Lahore	Resource Person
55.	37 <sup>th</sup> All Pakistan Science Conference, 16-17 November, 2015. PAAS	Participated

	and PCSIR, Lahore	
56.	Int. workshop on “Master Trainer program for laboratory Biosafety and Risk management, 7-11 September, 2015. Department of Microbiology, UVAS, Lahore	Participated
57.	Int. Symposium on Dairy Animal Reproduction (ISDAR), 30-31 March, 2015. UVAS, Lahore and Society for Animal reproduction of Pakistan	Participated
58.	Int. Conference and Expo 2014 “Recent Developments in Human Nutrition” 19-20 March, 2014. UVAS, Lahore and Nutritionists Association of Pakistan	Participated
59.	Protein profiling of <i>Mycoplasma gallisepticum</i> using SDS-PAGE, 11-13 August, 2014. Department of Microbiology, UVAS, Lahore	Resource Person
60.	Immunogenesis, 04-08 August, 2014. Department of Microbiology, UVAS, Lahore	Resource Person
61.	Culture requirements and growth characteristics, 27 January to 1February, 2014. Department of Microbiology, UVAS, Lahore	Resource Person
62.	Indigenous on Campus Training under HEC Modern University Governance Program, University of Veterinary and Animal Sciences, Lahore. 09-13 September, 2014.	Participated
63.	Common laboratory practices in food microbiology, 23-27 September, 2013. Department of Microbiology, UVAS, Lahore	Resource Person
64.	Basic Laboratory Techniques in Microbiology, 16-20 September, 2013. Department of Microbiology, UVAS, Lahore	Resource Person
65.	Preparation & Evaluation of Foot & Mouth Disease Vaccine, 03-13 Aug, 2009. Department of Microbiology, UVAS, Lahore	Resource Person
66.	Preparatory training program of Pharmacy graduates for competitive examination, 26-8 to 10-09, 2013. Department of Pharmacy, LCWU, Lahore	Resource Person
67.	Use of Endnote Software in Article and Thesis Writing, 28-29 Sep, 2012. Department of Microbiology, UVAS, Lahore	Resource Person
68.	Current approaches for the diagnosis and control of Avian Mycoplasmas, 3-4 September, 2012. UVAS, Lahore and University of Connecticut (UCONN), USA	Participated
69.	International Conference of Toxicology, 26-27 January, 2012. UVAS, Lahore, University of Cambridge, UK and HEC, Pakistan	Participated
70.	Application of PAGE for Molecular Characterization of <i>Pasteurella multocida</i> 11-13, 15-17 August and 7-10 September, 2011. Department of Microbiology, UVAS, Lahore	Resource Person
71.	Int. Conference on “Latest techniques for conservation of animal genetic resources in Pakistan” 14-15 September, 2011. Institute of Biochemistry and Biotechnology, UVAS, Lahore	Participated
72.	One day National seminar on “The Awareness & Current Status of Rabies” , 28 July, 2011. UVAS, Lahore, World Health Organization	Participated
73.	Seminar and workshop on “Environmental Toxicology and Health” 8-9 March, 2011. UVAS, Lahore and University of Cambridge, UK	Participated
74.	National Awareness Workshop on improving Bio-safety and Bio-	Participated

	Security at Veterinary Laboratories in Pakistan, 1-2 March, 2011. NAPHS, MinFA and department of State, USA	
75.	Isolation & Molecular Characterization of Shiga Toxin Producing <i>E. coli</i> 01-05 March, 2011. Department of Microbiology, UVAS, Lahore	Resource Person
76.	Western blotting, 11-12 January, 2011. Institute of Biochemistry & Biotechnology, UVAS, Lahore	Resource Person
77.	Propagation of Newcastle Disease Virus in Chicken embryos & Molecular Characterization of Its Immunogenic Protein Using SDS – PAGE, 12-15 July, 2010. Department of Microbiology, UVAS, Lahore	Resource Person
78.	Hygienic monitoring of food and food products, 5-9 July, 2010. Department of Microbiology, UVAS, Lahore	Resource Person
79.	Propagation of Newcastle Disease Virus in Chicken embryos & Molecular Characterization of Its Immunogenic Protein Using SDS – PAGE, 31 May-3 June, 2010. Department of Microbiology, UVAS, Lahore	Resource Person
80.	One day workshop “Construction of a standard MCQ” 20 March, 2010. UVAS, Lahore	Participated
81.	National Biotechnology Exhibition and Seminar, 20-21 October, 2010. Institute of Biochemistry and Biotechnology, UVAS, Lahore	Participated
82.	Serodiagnosis of animal microbial diseases, 8-10 September, 2009. Department of Microbiology, UVAS, Lahore	Resource Person
83.	Preparation and evaluation of Foot and Mouth Disease vaccine, 3-13 August, 2009. Department of Microbiology, UVAS, Lahore	Resource Person
84.	Environmental Sampling, Institute of Continuing Education and Extension, 13-28 September, 2009. UVAS, Lahore (DelpHE and British Council).	Participated
85.	6 <sup>th</sup> Asian Buffalo Congress, 27-30 October, 2009. UVAS, Lahore, L&DD, Punjab and Asian Buffalo Association	Participated
86.	Case Teaching Methodology, Organized by HEC Regional Centre, Lahore. 07-08 Feb. 2007.	Participated
87.	Staff Development Course University of Veterinary and Animal Sciences, Lahore (HEC and NAHE). 15-12-2006 to 25-01-2007.	Participated
88.	Practical Veterinary Epidemiology, 4-11 November, 2006. ICE&E, UVAS, Lahore	Participated
89.	Purification and characterization of Angara disease agent, 21 March, 1998. Organized by College of Veterinary Sciences, Lahore.	Resource Person
90.	The National cadet Corps, 14-12-1987 to 15-01-1989, Govt. Degree College Jaranwala, Faisalabad	Participated

## RESEARCH PROJECTS

Grant # Agency	Title of Project	Position/ Status	Amount (Rs.)	Year
HEC, Pakistan	Replacement of low level antibiotic feeding with extracts of medicinal plants in poultry	Co-Principal Investigator <b>(Completed)</b>	2.295 million	2014
HEC, Pakistan	Purification and standardization of mycotoxins extracted from indigenous toxigenic fungi under optimized experimental conditions	Principal Investigator <b>(Completed)</b>	3.382 million	2016
HEC, Pakistan	Sero-surveillance, Molecular Characterization and Development of Molecular Diagnostic Technique along with phylogenetic analysis of local isolates of bovine and Human Leptospirosis	Cooperative Scientist <b>(Completed)</b>	16.03 million	2016
PARB	Development of inactivated polyvalent vaccines for the control of mastitis in dairy cattle	Cooperative Scientist <b>(Completed)</b>	10.905 million	2018
PARB	Production of Foot and Mouth Disease (FMD) recombinant vaccine	Cooperative Scientist <b>(In progress)</b>	30.91Million	2018
HEC, Pakistan	Preparation and evaluation of multivalent vaccine for <i>Clostridium perfringens</i> using locally characterized toxinotypes	Principle Investigator, <b>(Completed)</b>	7.902 million	2018
HEC, Pakistan	The development of highly sensitive novel ELISA kit for quantitative detection of 146S fraction of FMD virus for the quality production and evaluation of FMD vaccine in Pakistan	Co-Principal Investigator, <b>(Completed)</b>	6.709 million	2018
HEC, Pakistan	Advanced molecular detection of <i>Toxoplasma gondii</i> : Genomics based laboratory surveillance and reference diagnosis	Co-Principal Investigator, <b>(Completed)</b>	3.014386 million	2018
HEC, Pakistan	Genetic diversity among Marek's disease field and vaccine virus to improve prophylaxis	Co-Principal Investigator, <b>(In progress)</b>	6.251913 million	2018
PARC (ALP)	Mechanistic study of MRSA from bovine and occupational worker and its application in field condition	Co-Principal Investigator, <b>(In progress)</b>	5.994 million	2019
HEC, Pakistan	Establishing mutant strain of <i>Aspergillus fumigatus</i> using CRISPR/Cas system	Co-Principal Investigator, <b>(In progress)</b>	13.288 million	2020
PHEC	Isolation, purification and characterization of mycotoxins produced by Fusarium.	Principal Investigator, <b>(In Progress)</b>	8.00 million	<b>2021</b>
PHEC	<b>Characterization of Pathogen S. aureus of all Dairy Animals alongwith the</b>	Co-Principal Investigator,	8.50 million	<b>2021</b>



	<b>Development of Common Polyvalent S. aureus Vaccine.</b>	<b>(In Progress)</b>		
PHEC	<b>Metagenomic Analysis of udder Microbiome and development of indigenous probiotic for control of bovine mastitis.</b>	Co-Principal Investigator, <b>(In Progress)</b>	8.00 million	<b>2021</b>
HEC, Pakistan	Amelioration of camel udder health through mastitis vaccine and novel antimicrobial combinations	Co-Principal Investigator, <b>(In Progress)</b>	3.47 million	<b>2022</b>
HEC, Pakistan	Multiple occurrence of mycotoxins and its biochemical detoxification	Co-Principal Investigator, <b>(In Progress)</b>	6.63 million	<b>2022</b>
PARB	Development and evaluation of new rapid culture systems for on-farm use to make therapeutic decisions for mastitis cases in dairy cattle	Cooperative Scientist <b>(In progress)</b>	10.561 million	<b>2022</b>

### Membership of learned societies

<b>Sr. No.</b>	<b>Name of society</b>	<b>Status</b>	<b>Nature of membership</b>
01	Pakistan Veterinary Medical Council	Member	Life time
02	Pakistan Association for Advancement of Science	Member	Life time
03	American Society of Microbiology	Member	Life time