Professor Dr. Arfan Ahmad is serving this highly esteemed institute since 2006. Currently he is working as Professor (Tenured) in University Diagnostic Laboratory (UDL), Institute of Microbiology. He holds DVM, M.Sc. (Hons.) and Ph.D. degrees in Microbiology. He conducted significant part of his Ph.D. research at Atlantic Veterinary College, UPEI Canada. He is involved in teaching, research and disease diagnosis. He has been part of national and International collaborative research projects. His area of research interest is to diagnose various infectious diseases which are prevailing in Pakistan and ultimately developing control strategies using biosafety and biosecurity measures to prevent their trans-boundary transmission. He is also serving the institute as research supervisor for undergraduate and postgraduate students and produced over 35 MPhil and 4 PhD students. He is qualified assessor for ISO/IEC 17025:2017. He is on the panel of Pakistan National Accreditation Council (PNAC), Islamabad as technical assessor to assess the quality of testing activities under the requirements of international standards in the area of Microbiology

#### **Publications**

Nam	ie	Professor Dr. Arfan Ahr	nad			
Sr.	Journal	Article	Year of Publication	URL (where the publication is available on net)	Journal Category (per HEC Criteria) HJRS	Thoms
1	Acta Tropica	FMD virus spillover from domestic livestock caused outbreak in captive wild ungulates: First report from Pakistan	2022	https://pubmed.ncbi.nlm .nih.gov/35378060/	W	
2	Animals	Effect of Packaging Type and Aging on the Meat Quality Characteristics of Water Buffalo Bulls	2022	https://pubmed.ncbi.nlm .nih.gov/35049754/	W	
3	Pakistan Journal of Agricultural Sciences	Molecular Characterization and Phylogeny of Bovine Viral Diarrhea Virus isolated from Persistently infected Exotic cattle in Punjab, Pakistan	2022 (Published August) (Accepted in Feb 2022_	https://pakjas.com.pk/ba ckend/assests/storage/a pp/uploads/papers//Pap er Molecular903790906 7.pdf	X	
4	Food Science of Animal Resources	Effect of Carcass Electrical Stimulation and Suspension Methods on Meat Quality Characteristics of Longissimus lumborum of Young	2021	https://pubmed.ncbi.nlm .nih.gov/33506215/	W	

		Buffalo ( <i>Bubalus</i>				
		<i>bubalis</i> ) Bulls				
5	Pakistan	Genotype Detection	2021	http://researcherslinks.c	Х	
	Journal of	and Sero-		om/current-	,	
	Zoology	prevalence of		issues/Genotype-		
	2001069	Bovine Leukemia		<u>Detection-and-Sero-</u>		
		Virus along with		prevalence-		
		Associated Risk		Punjab/20/3/3765/html		
		Factors in Exotic		Pullab/20/3/3/63/111111		
		and Local Breeds of				
		Cattle in and around				
		Lahore, Punjab				
6	Indian Journal	Clinico-Pathological	2021	file:///C:/Users/IT/Downl	W	
	of Animal	and Hemato-	Accepted in	oads/Final-attachment-		
	Research	Biochemical	2-5-2020	published-B-1229-		
		Assessment of Field		6089603e9087340b9bdc		
		Originated Chicken		<u>bbb1.pdf</u>		
		Anemia Virus in				
		Experimentally				
		Challenged Broiler				
		Chicken				
7	Pakistan	Cytological Changes in	2021	file:///C:/Users/IT/Downl	Х	
	Journal of	Chicken Infectious		oads/1629414494PJZ 53		
	Zoology	Anemia virus infected		5 1989-1992%20(2).pdf		
	G,	bone marrow in				
		broilers				
8	The Journal of	Determination Of	2020 (June)		W	
	Animal and	Sero-Prevalence And		thejaps.org.pk/Volume/2		
	Plant Sciences	Associated Risk		020/30-03/04.php		
	r idire deletited	Factors Of Bovine		<u> </u>		
		Viral Diarrhea Virus				
		(BVDV) In Bovine				
		Population From				
		Southern Punjab,				
		Pakistan				
9	GENETIKA		2020	http://www.doiserbia.nb	W	
9	GENETIKA	Polymorphic Status	2020		VV	
		And Phylogenetic		.rs/Article.aspx?id=0534-		
		Analysis Of Myostatin		00122003281R#.Y0uj 1x		
		Gene In Pak-		<u>BzIU</u>		
	5	Thoroughbred.		1		
10	Pakistan	Molecular	2020	http://researcherslinks.c	W	
	Journal of	Characterization and		om/current-		
	Zoology	Phylogeny of Chicken		issues/Molecular-		
		Anemia Virus		Characterization-and-		
		Detected in Broiler		Phylogeny-of-		

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		Poultry Flocks in		<u>Chicken/20/3/2625/html</u>		
		Punjab, Pakistan				
11	The Journal of	Comparison Of	2020	https://www.thejaps.org	W	
	Animal and	Analytical Sensitivity		.pk/docs/V-30-01/06.pdf		
	Plant Sciences	And Specificity Of		<u>.p.v, uoes, v so er, sorpur</u>		
	Traine Sciences	Reverse Transcription				
		Loop-Mediated				
		Isothermal				
		Amplification (RT-				
		Lamp) And Reverse				
		Transcription				
		Polymerase Chain				
		Reaction (RT-PCR) For				
		Detection Of Local				
		Pestivirus A				
12	The laureal of		2010	https://www.thsians.ans	14/	
12	The Journal of Animal and	In process quality control factors	2018	https://www.thejaps.org	W	
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	Plant Sciences	affecting the quality				
		of locally prepared				
		salmonella gallinarum				
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13	The Journal of	Evaluation of drinking	2018	https://www.researchgat	W	
	Animal and	water quality at		e.net/publication/32811		
	Plant Sciences	various public places		8046 Evaluation of drin		
		in Lahore city		king water quality at v		
		Pakistan.		arious public places in		
				<u>Lahore City Pakistan</u>		
1.4	The January of of	Lingualusasias	2047	https://www.thsisss.com	187	
14	The Journal of	Lipopolysacharide	2017	https://www.thejaps.org	W	
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		optimization of				
		diagnostics for				
		Francisella tularensis				
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		Francisella tularensis				
		in soil"				
16	Pakistan	Optimization of	2016	http://www.pvj.com.pk/	W	
	Veterinary	quality control factors		pdf-files/36 2/227-		
	Journal	for indigenous		<u>229.pdf</u>		
		Mycoplasma				
		gallisepticum bacterin				
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		preparation and their impact on immunoprophylaxis in broilers				
17	Turkish Journal of Veterinary & Animal Sciences	Comparative evaluation of factors affecting hemagglutinating activity of avian influenza (H9) virus	2016	https://dergipark.org.tr/t r/download/article- file/734788	W	
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19	Acta Tropica	Evidence of <i>Coxiella</i> burnetii in Punjab province, Pakistan	2016	https://www.sciencedire ct.com/science/article/pi i/S0001706X16302480	W	
20	Journal of General Virology.	Infectivity of wild bird- origin avian paramyxovirus serotype 1 and vaccine effectiveness in chickens	2016	https://pubmed.ncbi.nlm .nih.gov/27692048/	W	
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		poultry flocks				
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	Plant Sciences	broilers to locally		<u>.pk/docs/v-23-4/24.pdf</u>		
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		Mycoplasma				
26	Pakistan	gallisepticum vaccine	2014	http://www.mui.com.ml/	147	
26	Veterinary	Hemato-Biochemical	2014	http://www.pvj.com.pk/	W	
	Journal	Effects of Colistin		pdf-files/34 1/78-81.pdf		
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		Intramuscularly in				
		Growing Broiler Birds	2014	1		
27	Journal of	Comparative	2014	https://www.thejaps.org	W	
	Animal and Plant Sciences	diagnostic		.pk/docs/v-24-4/08.pdf		
	Fiant Sciences	applications of				
		antigen capture elisa				
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		immunohistochemistr				
		y for detection of				
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		persistent infection				
28	Virology	Genetic diversity of	2013	https://virologyj.biomed	W	
	Journal	Newcastle disease		central.com/articles/10.1		
		virus in Pakistan: a		186/1743-422X-10-170		
		countrywide				
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		of a young ostrich				
		(struthio camelus)				
		using tracheo broncho				
		alveolar lavage				
30	Pakistan	Zoonosis Update on	2013	http://www.pvj.com.pk/	W	
	Veterinary	H9N2 Avian Influenza		pdf-files/33 3/272-		
	Journal	Virus		<u>276.pdf</u>		
31	Pakistan	Serological evidence	2013	http://www.pvj.com.pk/	W	
	Veterinary	of selected		pdf-files/33 1/19-22.pdf		
	Journal	abortifacients in a		<u></u>		
		dairy herd with				
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38	Journal of Parasitology	Seroprevalence of Neospora caninum and Brucella abortus in dairy cattle herds with high abortion rates	2011	https://pubmed.ncbi.nlm .nih.gov/21506829/	W	
39	Turkish Journal of Veterinary and Animal Sciences	Comparative evaluation of clinical samples from naturally infected dogs for early detection of canine distemper virus.	2010	https://dergipark.org.tr/t r/download/article- file/132238	W	
40	Pakistan Journal of Zoology	Comparative clinical epidemiology of toxocariosis in dogs and cats	2010	http://zsp.com.pk/pdf/1 29-133%20(4).pdf	W	
41	Pakistan Journal of Zoology	Detection of Canine Distemper Virus from Lymphopenic Dogs by RT-PCR Amplification of Nucleoprotein Gene.	2009	http://zsp.com.pk/pdf1/ 413-428%20(11).pdf	W	
42	Pakistan Journal of Zoology	Trend in isolation and antimicrobial susceptibility of mastitis causing pathogens of Nili Ravi Buffalo.	2009	https://www.researchgat e.net/publication/26807 4799 Trend in isolation and antimicrobial susc eptibility of mastitis ca using pathogens of Nili Ravi Buffalo	W	
43	The Journal of Animal and Plant Sciences	Status of IgG antibodies against Mycoplasma gallisepticum in non- vaccinated commercial poultry breeder flocks	2008	http://thejaps.org.pk/do cs/18 2-3 2008/08- 803.pdf	X	
44	J Vet Anim Sci.	Factors affecting hemagglutination activity of avian influenza virus subtype H5	2008	http://www.jvas.com.pk/doc/6.pdf	-	
45	INTERNATION AL JOURNAL OF AGRICULTURE	Immunomodulatory effect of polyimmune(Astragal us membranaceous)	2008	file:///C:/Users/IT/Downl oads/Immunomodulator yeffectofpolyimmune%2 0(1).pdf	-	

	& BIOLOGY	extract on humoral				
		response of layer				
		birds vaccinated				
		against Newcastle				
		disease virus.				
46	Pakistan	Study of disease	2008	https://www.pjlss.edu.p	-	
	Journal of Life	outbreak in layer		k/pdf files/2008 1/59-		
	and Social	flocks in and around		<u>62.pdf</u>		
	Sciences	Sammundri area				
47	Iranian Journal	Prevalence and	2003	Not available	-	
	of Veterinary	ecology of Lymnaea				
	Research	snails in Punjab				

#### **Abstracts Published:**

- Hammad ur Rehman, Arfan Ahmad, Masood Rabbani, Muhammad Yasin Tipu, Aamir Ghafoor. "Geographical distribution of bovine viral diarrhea virus (BVDV) antibody in bovine serum samples collected from seventeen districts of central Punjab, Pakistan". Proceedings of IX Asian Buffalo Congress-2018 "Climate Resilient Buffalo Production for Sustainable Livelihood", Feb. 1-4,2018, ICAR-Central Institute for Research on Buffaloes, Hisar, Haryana, India. p.157
- Abdul Raheem, **Arfan Ahmad**, Aamir Ghafoor, <u>Aneela Zameer Durrani</u> and Hammad Ur Rehman. "Determination of seroprevalence and associated risk factors of bovine viral diarrhea virus (BVDV) in bovine population from southern Punjab, Pakistan". Proceedings of IX Asian Buffalo Congress-2018 "Climate Resilient Buffalo Production for Sustainable Livelihood", Feb. 1-4,2018, ICAR-Central Institute for Research on Buffaloes, Hisar, Haryana, India. p.157.
- M.U.S. Khan, **A. Ahmad**, M. Rabbani, Muti-ur-Rehman Khan, A. Ghafoor, A.A. Ajnum, M. Avais and Hammad-ur-Rehman. Detection of bovine viral diarrhea virus and bacterial contaminants in commercial bovine semen in Pakistan. Proceedings of IX Asian Buffalo Congress-2018 "Climate Resilient Buffalo Production for Sustainable Livelihood", Feb. 1-4,2018, ICAR-Central Institute for Research on Buffaloes, Hisar, Haryana, India. p.62
- Qurat ul Ain, Arfan Ahmad, Muhammad Nawaz, Mamoona Chaudhry, Muhammad Avais, Aqeel Javed, Hammad Ur Rehman. Study on the effects of antibiotics and vaccine administration on tissue tropism and shedding pattern of local isolate of salmonella enterica serovarenteritidis in commercial broiler chicken. Proceedings of OHC 2017 One Health International Conference held in UVAS Lahore, Pakistan: 13-15 Nov, 2017.
- Arfan Ahmad, Aamir Ghafoor, Hammad ur Rehman, Fareeha Akhtar. Retrospective study on Lab Samples for Diagnosis of Fecal and Blood Parasite of Small Ruminants in Pakistan. p. 22. Iran J Parasitol. ISSN:1735-7020, Vol. 12, Supplementary Issue, No. 1, 2017. Proceedings of PARACON 2017 International Parasitology Conference "Recent Advances and Emerging Issues in Parasitology" held in UVAS Lahore, Pakistan: 25-26 Oct, 2017.

# **Book Published:**

 Ahmad, A., M. Rabbani, K. Muhammad, (2011). Comparison of diagnostic approaches for the detection of Bovine Viral Diarrhea persistency in dairy herds.Lambert Academic Press (LAP), Germany (ISBN-NR: 978-3-8465-2927-0).

### **Trainings, Workshops, Conferences And Symposiums:**

- One day training workshop on Immunophenotyping of poultry immune cells for vaccine research using flow cytometry held on June, 6<sup>th</sup> 2023 at UVAS LAHORE
- Attended Regional guidelines for collection and transporting priority pathogens samples in Pakistan sponsored by the US national academics of science, engineering and medicine national institute of health of Pakistan dated May 30<sup>th</sup>-June 1<sup>st</sup> 2023
- 3 days Hands—on training on food safety lab management in accordance with ISO/IEC 17025:2017 guidelines at Veterinary academy UVAS collaboration with UNIDO and JICA
- 3 days training on Antimicrobial susceptibility testing, laboratory quality management system and AMR data analysis using WHONET held on Provisional disease laboratory dated March 8<sup>th</sup>-10<sup>th</sup> 2023
- One day training workshop on Bovine Leukemia Virus : An emerging issue in dairy industry of Pakistan held on University Diagnostic laboratory UVAS Lahore dated March 9<sup>th</sup> 2023
- Attended one training on How to respond to an emergency at Veterinary academy UVAS organized by Emergency response committee uvas in collaboration with civil defense
- All Pakistan international science conference held on UVAS dated December , 14<sup>th</sup> −15<sup>th</sup> 2022
- 2 days' workshop on Personal reliability workshop organized by Pakistan biological safety association with chrome biorisk management and the foreign international center NIH-USA dated November, 8<sup>th</sup>-9<sup>th</sup> 2022
- Two days refresher training on biorisk management organized by Association of Biorisk Management in collaboration with Health Security Partner, USA dated Jan 13-14, 2022
- Training course on diagnosis and control of Lumpy Skin Disease held at National Veterinary Laboratory, Islamabad on March16-17, 2022
- Five Day Virtual training on Biorisk Management organized by Association of Biorisk Management by Association of Biorisk Management in collaboration with Health Security Partner, USA on Jan 18-22, 2021
- Attended 4 day Virtual Training on Safe and Secure Sample collection and Transportation by Association of Biorisk Management in collaboration with Health Security Partner, USA, Oct 28-31 2021
- Attended 3 days' workshop on Establishing Zoonosis Control Committees for Integrated Surveillance Detection and Reporting of High Risk Pathogens in Punjab, organized by Association of Biorisk Management in collaboration with Health Security Partner, USA on Nov 25-27, 2021
- Attended 2 days congress entitled" International Buffalo congress"(IBC-2019) organized by University of Veterinary and Animal Sciences on Feb 18-19, 2019
- Attended two days' workshop on Advanced level biosafety organized by Faculty of Veterinary Science, University of Veterinary and Animal Sciences dated Nov 26-27, 2018
- Attended 5 days Assessor Training Course on ISO/IEC 17025:2017, organized by Pakistan National Accreditation Council (PNAC), Ministry of Science & Technology, GOP, Islamabad on June 24-28, 2019
- Participated in 2 days Training Workshop on "Analytical Model Building and Proposal / Project Development" held on 28<sup>th</sup>- 29<sup>th</sup>December, 2017 Organized by Department of Statistics and Computer Science, University of Veterinary and Animal Sciences, Lahore, Pakistan.
- Participated in 1 day National Workshop on "Basics Tools in Bioinformatics" held on 29<sup>th</sup> November, 2017 Organized by Institute of Industrial Biotechnology, GC University Lahore, Pakistan.
- Participated in 2 days National Workshop on "Handling and Restraining of Migratory Birds with Tick Identification" From November, 22-23, 2017 Organized by Department of Clinical Medicine and Surgery, University of Veterinary and Animal Sciences, Lahore, Pakistan.
- Participated in 2 days National Workshop on "Role of Migratory Birds in Disease Dissemination" From November, 15-16, 2017 Organized by Department of Clinical Medicine and Surgery, University of Veterinary and Animal Sciences, Lahore, Pakistan.

- "Diagnosis of Viral Diseases" held on September 19-21,2017organized by Nuclear Institute of agriculture and biology (NIAB) Faisalabad.
- Paper titled "Recent Advances and Emerging Issues in Parasitology" presented in International Parasitology Conference PARACON 2017 held in UVAS Lahore, Pakistan: 25-26 Oct, 2017.
- Paper titled "Study on the effects of antibiotics and vaccine administration on tissue tropism and shedding pattern of local isolate of salmonella enterica serovarenteritidis in commercial broiler chicken" presented in One Health International Conference OHC 2017 held in UVAS Lahore, Pakistan: 13-15 Nov, 2017
- Participated as resource person in "Lab Assisted Disease Diagnostic Techniques" From December, 26 2016 to January 06, 2017 Organized by University Diagnostic Lab, University of Veterinary and Animal Sciences, Lahore, Pakistan
- "Lab Assisted Disease Diagnostic Techniques" from December, 26 2016 to January 06, 2017 organized by University Diagnostic Lab, UVAS, Lahore
- Participated as Participant in Hands on practical training on tools used for next generation sequencing based microbiome and sequencing data analysis From Dec, 14-15,2016 Organized by Quality Operations Laboratory, University of Veterinary and Animal Sciences, Lahore, Pakistan.
- Participated as Participant in International Workshop on Regional Trans-boundary, Animal Disease Workshop (ITAD). The USDA Foreign Agriculture Service and the City University of Hong KongFrom Sep, 26-30,2016 Held in Hong Kong, China
- Participated as resource person in Molecular based testing of Microbial contaminants in Bull's Semen From June, 02-06,2016 Organized by
- University Diagnostic Lab, University of Veterinary and Animal Sciences, Lahore, Pakistan
- Participated as resource person in Lab Assisted Disease Diagnostic Techniques From June, 02-03,2016 Organized by University Diagnostic Lab, University of Veterinary and Animal Sciences, Lahore, Pakistan.
- Participated as resource person in Lab Assisted Disease Diagnostic Techniques From May 31-June 01, 2016 Organized by University Diagnostic Lab, University of Veterinary and Animal Sciences, Lahore, Pakistan.
- Participated as resource person in Molecular based testing of Microbial contaminants in Bull's Semen From May 30-June 01, 2016 Organized by University Diagnostic Lab, University of Veterinary and Animal Sciences, Lahore, Pakistan.
- Participated as resource person in Molecular and Microbiological Lab TechniquesFrom May 24-June 06,2016 Organized by University Diagnostic Lab, University of Veterinary and Animal Sciences, Lahore, Pakistan.
- Participated as resource person in Lab Assisted Disease Diagnostic Techniques From Dec, 7-18,2015 Organized by University Diagnostic Lab, University of Veterinary and Animal Sciences, Lahore, Pakistan
- Participated as resource person in International Workshop on Master Trainer Program for Laboratory From Sep, 7-11,2015 Organized in University of Veterinary and Animal Sciences, Lahore, Pakistan.
- Participated as resource person in One week Workshop on Basic Laboratory Techniques From Aug, 03-07,2015 Organized by University Diagnostic Lab & Department of Microbiology, University of Veterinary and Animal Sciences, Lahore, Pakistan.
- Participated in National Workshop on Controlling Biorisk in Lab as Participant on May, 11-13,2015 organized by Department of Microbiology, University of Veterinary and Animal Sciences, Lahore, Pakistan Bacteriology Department, Institute of Public Health, Lahore.
- Participated as resource person in 3 days Training Course on Diagnosis of Viral Disease From May, 04-06,
   2015 Organized by Nuclear Institute for Agriculture and Biology (NIAB) Faisalabad, Pakistan.
- Participated as resource person in Three days National Workshop on Molecular Diagnostics From June, 23-25, 2015 Organized by UDL,IBBT & QOL, University of Veterinary and Animal Sciences, Lahore, Pakistan.
- Participated as resource person in One Day Workshop on Practical Aspects of Poultry Health Management Feb, 04, 2015 Organized by University Diagnostic Lab, University of Veterinary and Animal Sciences, Lahore, Pakistan.
- Participated as resource person in workshop on Laboratory Animal Handling From Jan, 28-30,2015
   Organized at Postgraduate Medical Institute/ Ameer-ud-Din Medical College Lahore, Pakistan.

- Participated as resource person in National Training course on Diagnosis of Poultry Diseases through Modern Diagnostic Techniques" organized by Department of Pathology, University of Agriculture, Faisalabad in collaboration with World Veterinary Poultry Association (WVPA-Pakistan Branch) on 03-04 April, 2014.
- Participated in National Workshop on Newcastle disease prevention and control in Pakistan as resource person on 5<sup>th</sup> Nov. 2012 organized by Institute of biochemistry and biotechnology, University of Veterinary and Animal Sciences, Lahore, Pakistan.
- Eighteen days training from Sept. 22, 2012 to Oct. 10, 2012 on advanced molecular diagnostics of Avian Mycoplasmosis at Avian Research and Connecticut Veterinary Medical Diagnostic Labs, Department of Pathobiology, University of Connecticut, USA.
- Participate as resource person in two days training workshops on Application of bioinformatics in understanding the nature of microbes. 1st to 2nd August 2012 by UDL and QOL, UVAS, Lahore
- One year research study on "Comparison of diagnostic approached for the detection of Bovine viral diarrhea persistency in dairy herds" at Department of Pathology and Microbiology, Altantic Veterinary College, University of Prince Edward Island, Canada. January 2009 to December 2009.
- One day training session on "Internal auditing of ISO 17025; 2005" by QMS 9000, held at U.V.A.S, Lahore on 12 Dec, 2006.
- One week workshop on "Practical Veterinary epidemiology" by Institute of Continuing Education and Extension, UVAS, Lahore on November 4 11, 2006
- 6th annual National training course on Modern Techniques in Biotechnology,5-9 May,2008 at National Institute for Biotechnology and Genetic Engineering (NIBGE), Faisalabad.
- Teacher Orientation Program for 15 days held at University of Veterinary and Animal sciences Lahore from March 12, 2007 to March 28, 2007.
- Six days training workshop on "Laboratory diagnosis of important diseases." held at National VeterinaryLaboratories Islamabad.
- 6 days Workshop on "Cultivation and maintenance of BHK-21 Cell line" by Institute of Continuing Education and Extension, UVAS, Lahore from May 16, 2005 to May21, 2005

# **Training Courses (Participation):**

- Organizer of One day training workshop on Bovine Leukemia Virus: An emerging issue in dairy industry of Pakistan held on University Diagnostic laboratory UVAS Lahore dated March 9<sup>th</sup> 2023
- Organizer of Training on NEW ISO-17025:2017 Standard organized by University Diagnostic Lab, UVAS, Lahore on August 18, 2020
- Facilitator in Poultry Science conference at International Poultry congress organized by Pakistan Poultry Association and University of Veterinary & Animal Sciences, Lahore dated September, 27-29, 2018
- Participated in 5 days Assessor Training Course on "ISO 17025:2017" held on January 15-19, 2018
   Organized by Pakistan National Accreditation Council (PNAC), Ministry of Science and Technology, Islamabad.
- Participated in 3 days Training Course on "Diagnosis of Viral Disease" held on September, 19-21, 2017 Organized by Nuclear Institute for Agriculture and Biology (NIAB) Faisalabad, Pakistan.

# **Conferences (Oral Presentation):**

- Secretory of Three days training course on diagnostic and surveillance technique organized by Veterinary Academy on January 5-7, 2022
- Laboratory Biosafety, Equipment and Waste Disposal for Lab Assistants of L & DD, Punjab (Secretary

- Organizing committee) organized at Institute of Microbiology, UVAS, Lahore on 13-15 Oct, 2020
- Facilitator as secretary of Abstract review and poster presentation committee Poultry Science conference at International Poultry Expo Organized by Pakistan Poultry Association and University of Veterinary & Animal Sciences, Lahore dated September, 13-15, 2019
- Facilitator as secretary of Abstract review and poster presentation committee in Poultry Science conference at International Poultry congress Organized by Pakistan Poultry Association and University of Veterinary & Animal Sciences, Lahore on Sep. 27-28, 2018
- Participated in 3 days One Health International Conference (OHC 2017) From November, 13-15, 2017 Organized by College of Veterinary and Animal Science, Jhang Pakistan (Sub Campus) UVAS, Lahore.
- Participated in 2 days International Parasitology Conference on Recent Advances and Emerging Issues in Parasitology FromOctober, 25-26, 2017 Organized by Department of Parasitology, University of Veterinary and Animal Sciences, Lahore, Pakistan.

#### **Projects**

Sr. No.	Title	Funding Source	Status	Amount (Million Rs)
1.	In depth genetic diversity and molecular epidemiology of newly emerging Bovine Leukemia virus (BLV) in dairy animals of Punjab and development of strategies to control disease in Pakistani herds	Higher Education Commission of Pakistan	On going (PI)	4.0 Million PKR
2.	Molecular Characterization of Bovine Pestivirus isolates from dairy animal of Pakistan and their use in diagnostic, biosecurity and biological development to control disease in Pakistan herds	Higher Education Commission of Pakistan	Completed in 2020 (PI)	6.022 M PKR

Molecu avian	Molecular approach to use avian cytokines for the	Higher Education Commission of	On-going CO-PI	5.28 M PKR
control of indigeno avia influenza (H9N2) in commercial Poultry	control of indigenous avian influenza (H9N2) in commercial Poultry	Pakistan		
In depth gand epidemiole epidemiole emerging Leukemia dairy anir and devistrategies disease Herds	In depth genetic diversity and molecular epidemiology of newly emerging Bovine Leukemia virus (BLV) in dairy animals of Punjab and development of strategies to control disease in Pakistani Herds	Higher Education Commission of Pakistan	On going (PI)	3.9 M PKR
HEC funded Mapping an genetic diversity infectious Brains (IBV) in Pak and developme serotype-matched recombinant	HEC funded project Mapping an in-depth genetic diversity of infectious Bronchitis virus (IBV) in Pakistan and development of serotype-matched recombinant IBV vaccine	Higher Education Commission of Pakistan	On going (CO-PI)	6.64 M PKR

# Area of Interest

- Molecular Characterization of bovine Pesti viruses, New Castle disease, and Avian influenza viruses, Salmonellosis, avian mycoplasmosis etc
  - Food safety
- Antimicrobial Resistance