

# Curriculum Vitae

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**Name:** Prof. Dr. Masood Rabbani *Izaz-e-Fazeelat*  
Professor Emeritus, Univ. of Vet. & Animal Sci., Lahore  
Honorary Secretary/ CEO, SPCA, Punjab  
Past President, Pakistan Veterinary Medical Council, Ibd.  
Past Convener, PVMC- Natl. Accreditation & Equiv. Com.  
Past Convener, PVMC- Natl. Curricula Revision Committee  
Presidential Awardee of Academic Distinction  
HEC- Approved PhD Supervisor  
HEC Best University Teacher Awardee

**Date of Birth:** March 20, 1962

## EDUCATIONAL QUALIFICATIONS:

University/College	Degree/Diploma	Division/CGPA	Year
David Geffen School of Medicine, University of California, LA, USA	Fellowship in Comparative Medicine	N/A	2008
University of Agriculture, Faisalabad	PhD	FIRST	1992-1997
Quaid-i-Azam University, Islamabad	MPhil	FIRST	1987-1989
University of Agriculture, Faisalabad	DVM	FIRST	1982-1986
Lahore Board	FSc (Pre-Med.)	FIRST	1981-1982

## POSTGRADUATE RESEARCH:

PhD Thesis (year)	University	Title
Microbiology (1997)	University of Agriculture, Fsd.	Observations on the causative agent(s) of hydropericardium syndrome in broiler chicken.

## SERVICE EXPERIENCE: (OVER 18 YEARS ADMINISTRATIVE EXPERIENCE & 26 YEARS TEACHING & RESEARCH)

Position	Where Employed / Worked	Duration
Professor Emeritus	University of Veterinary and Animal Sciences, Lahore	March 20, 2022 to date
Pro Vice Chancellor/ Tenured Prof./ Dean	University of Veterinary and Animal Sciences, Lahore	Dec. 07, 2017 to 19-03-2022
Vice Chancellor/ Tenured Prof/ Dean	University of Veterinary and Animal Sciences (UVAS), Lahore (As Section 14(9) of UVAS Ordinance, 2002) & Cholistan UVAS, Bahawalpur (Two Universities)	Nov. 01, 2019 to January 24, 2020
Dean/ Tenured Professor	Faculty of Veterinary Science (FVS)/ Chairman, Dept. of Microbiology; and UVAS, Lahore	June 12, 2016 to date
Chairman/ Tenured	Dept. of Microbiology, FVS, UVAS, Lahore	Feb. 05, 2015-

<b>Professor</b>		June 11, 2016
Professor on Tenure Track (TTS) / Director	Internationally Accredited University Diagnostic Lab (ISO 17025)/ Chairman, Dept. of Microbiology, UVAS	April 13, 2011 to Feb. 04, 2015
Professor / Director (BPS-21)	University Diagnostic Lab/ Member, Board of Studies (BOS), Microbiology, UVAS, Lahore	April 24, 2007 to April 12, 2011
Professor of Disease Diagnostics (BPS-20)	Director, University Diagnostic Lab/ Member, BOS, Microbiology, FVS, UVAS, Lahore	Nov. 06, 2004 to April 23, 2007
Associate Professor of Disease Diagn. (BPS-19)	Project Director/ Officer Incharge, University Diagnostic Lab/ Microbiology (UVAS), Lahore	May 27, 2003 to Nov. 05, 2004
Assistant Professor of Microbiology (BPS-18)	Department of Microbiology, UVAS, Lahore	April 08, 2000 to May 26, 2003
Lecturer (BPS-17)	College of Veterinary Sciences, Lhr., UAF	June 22, 1995- April 07, 2000
Veterinary Officer (Health) (BPS-17)	Poultry Research Institute (PRI), L&DDD, Punjab	June 04, 1988- June 22, 1995
Graduate Res. Assistant	Department of Biological Sciences, Quaid-i-Azam Univ., Ibd	Jan. 10, 1987- June 03, 1988

**SERVICE/FIELD EXPERIENCE LOOK AFTER CHARGE:**

Position	Where Employed / Worked	Duration
Look after Charge of Vice Chancellor & Assumed Charge by directives of Chancellor/ Governor	University of Veterinary and Animal Sciences, Lahore & Cholistan University of Veterinary and Animal Sciences, Bahawalpur	At number of occasions in absence of then Vice Chancellor

**FIELD OF WORK / RESEARCH:**

**DIAGNOSIS & CONTROL OF MAJOR DISEASES PREVALENT IN PUNJAB, PAKISTAN**  
(*Special Interest in One Health, Bio-Safety, Food Safety & Implementation of ISO Standards*)

**COURSES TAUGHT:****1. Undergraduate Level:**

- Animal Food Microbiology
- Veterinary Virology
- General Virology
- Systemic Virology
- Biorisk Management
- Biosafety and Biosecurity
- Quality Control in Biologics

**2. Postgraduate Level:**

- Advanced Virology
- Cell Culture in virus Research
- Advanced General Bacteriology

**AWARDS / MERITS / HONOURS / LETTERS OF APRICIATIONS:**

- \* Recipient of “**Presidential Award of “Izaz-e-Fazeelat- 2005”** for Academic Distinction
- \* **Fellowship in Comparative Medicine** by David Geffen School of Medicine, University of California, Los Angeles, CA, USA (2008)
- \* **Order of Appreciation** by Hon. Supreme Court of Pakistan on helping/ resolving *Suo moto* action on Food Quality (2018)
- \* **Certificate of Appreciation** in recognition of contribution as **Mentor** by WHO, 2019
- \* **Certificate of Appreciation** in recognition of contribution as **Mentor** by WHO, 2020
- \* **HEC- Best Teacher’s Award- 2013-14**
- \* **Certificate of Appreciation** from SAARC Regional Veterinary Association (SRVA), Nepal, 2023
- \* **Certificate of Appreciation** from Pakistan Poultry Association 2022
- \* **Certificate of Appreciation** from Livestock and Dairy Development Department, Punjab, 2022
- \* **Letter of Appreciation** by Pakistan Biological Safety Association 2019
- \* **Letter of Outstanding Performance** for International Buffalo Conference 2019
- \* **Excellence Award** by Pakistan Veterinary Medical Association 2018
- \* **Best performance award on meritorious services** rendered for development of poultry industry” by Pakistan Poultry Association 2012-13, 2018
- \* **Best performance award on meritorious services** rendered for accreditation of educational Institutes” by Pakistan Veterinary Medical Council 2012-13
- \* Chief Minister Punjab Award on **Dedications for Flood Relief Operation- 2010**
- Higher Education Commission of Pakistan **Approved PhD Supervisor since 2010**
- In my Directorship University Diagnostic Lab has been internationally accredited to **ILAC through ISO 17025 Lab Management Standard** by PNAC- 2010.
- \* **“Best performance award on meritorious services** rendered for development of poultry industry” by Pakistan Poultry Association (PPA; Nov. 09, 2007, Islamabad)
- \* **“Best Organizing Secretary of the year”** award (1999)
- \* **Merit Scholarship**, during DVM, CVS, Lahore
- \* Letter of Appreciation from **Remount Veterinary & Farm Corp, Pakistan**
- \* Letter of Appreciation from **Secretary L&DD Dept., Punjab**
- \* Letter of Appreciation by Vice Chancellor on Drafting Excellent **Purchase Rules of UVAS 2005**
- \* Letter of Appreciation (Good Rating) by HEC on **Implementation of UDL Developmental Project**
- \* Certificate of Distinction from University of Agriculture on **English Essay Competition**
- \* Certificate of Appreciation on **Organization of First Annual Function of Alumni Association**
- \* Certificate of Appreciation on **Outstanding Performance in Organizing 1<sup>st</sup> UVAS Convocation 2006**
- \* Certificate of Appreciation as **Member of Organizing Committee (Scientific Committee) of 6<sup>th</sup> Asian Buffalo Congress 2009**
- \* Letter of Appreciation (Good Rating) by HEC on **Implementation of Developmental Project**

## PUBLICATIONS:

### A). RESEARCH ARTICLES PUBLISHED IN IMPACT FACTOR JOURNAL (HEC Approved)

Impact Factor: over 200

Citation Index: over 1500

Amongst 2% of Journal Citation Author Ranking (2021)

h Index: 20

i-10 Index: 46

#### Research Publications

**First name in following publication is usually my PhD/ MPhil Student (As per HEC)**

Research Publications (Foreign & Local International Peer Reviewed Research Articles):

#	Name of Author	Publ. Year	Title of Paper	Publication Details	Impact Factor
1.	W. Ashraf, A. Rehman, <b>M. Rabbani</b> , W. Shaukat, and JS Wang	2023	Aflatoxins posing threat to food safety and security in Pakistan	Food and Chemical Toxicology 114006	5.572
2.	MU Asghar, AA Anjum, and <b>M. Rabbani</b>	2023	A commercial monovalent canine parvovirus vaccine performs better than a commercial combination vaccine in puppies	J. Hellenic Veterinary Medical Soc. 73 (4): 4827-4832	0.174
3.	A. Mehmood, M. Nawaz, <b>M. Rabbani</b> , and M.H. Mushtaq	2023	In vitro characterization of probiotic potential of <i>Limosilactobacillus fermentum</i> against <i>Salmonella Gallinarum</i> causing fowl typhoid	Animals 13: 1284 doi	3.231
4.	A. Rehman, <b>M. Rabbani</b> , and MZ Shabbir	2023	A comparative evaluation of transcriptome changes in lungs and spleen tissues of chickens infected with velogenic and mesogenic avian orthoavulavirus 1	Microbial Pathogenesis 174 doi	3.848
5.	F. Ahmad, MSG Khan, A. Tahir, MY Tipu, <b>M. Rabbani</b> , and MZ Shabbir	2023	Two phase feature- ranking for new soil dataset for <i>Coxiella burnetii</i> persistence and classification using machine learning models	Nature Scientific Reports 13:29 doi	4.997
6.	W. Ashraf, A. Rehman, MD Ahmad, <b>M. Rabbani</b> , MH Mushtaq	2023	Assessment of aflatoxin M1 exposure and associated determinants in children from Lahore, Pakistan	Food Additives & Contaminants: Part A 40 (1): 121-133	3.549
7.	I. Hussain, MR Khan,	2023	Identification, molecular	Tropical Animal	1.893

	A. Aslam, <b>M. Rabbani</b> , S. Masood		characterization, and pathological features of orf virus in sheep and goats in Punjab province, Pakistan	<b>Health and Production 55: 24 doi</b>	
8.	I.Qazi, S. Raza, <b>M. Rabbani</b> , and M. Avais	2023	Sero-prevalence of bovine herpesvirus- 1 and its associated risk factors in district Sheikhpura, Punjab province	<b>Pakistan J. Zoology 55 (1): 465</b>	0.687
9.	S. Irfan, <b>M. Rabbani</b> , AA Sheikh, S. Firyal, and AY Shaheen	2023	Microbial quality, biochemical identification, and molecular detection of Salmonella targeting His-J gene in poultry meat and feed in Lahore	<b>Pakistan J. Zoology. 55 (4): 1545</b>	0.687
10.	A. Batool, <b>M. Rabbani</b> , F.N. Awan S. Raza and S. Firyal	2023	Serological evidence of bovine herpes virus- 1 in cattle and buffalo population of Punjab province, Pakistan	<b>Pakistan J. Zoology 55 (1)</b>	0.687
11.	A.M.A. Khan, <b>M. Rabbani</b> , A. Ahmad, M. Wasim, and S. Raza	2023	Molecular characterization of indigenous isolates of <i>Avibacterium paragallinarum</i> and media optimization of its growth for vaccine seed production	<b>Pakistan Journal of Zoology doi</b>	0.687
12.	AMA Khan, <b>M. Rabbani</b> , A. Ahmad, M. Waseem, and S. Raza	2023	Comparative efficacy of commercial and autogenous <i>Avibacterium paragallinarum</i> vaccines in layer chickens in Pakistan	<b>Pakistan J. Zool. doi</b>	0.687
13.	B.A. Shah, M. Avais, J.A. Khan, <b>M. Rabbani</b> , A.A. Anjum	2023	Evaluation of immunogenicity and dose dependent immune response against common bovine originated mastitogens in rabbit model	<b>Journal of Animal and Plant Sciences 33: 330</b>	0.700
14.	F. Ghazanfar, <b>M. Rabbani</b> , A. Ghafoor, and MH Mushtaq	2023	Prevalence and antibiotic susceptibility of thermophilic <i>Compylobacter jejuni</i> from commercial broiler farms in and around Lahore	<b>Pakistan J. Zoology DOI#</b>	0.687
15.	M. Shahid, A. Ghafoor, <b>M. Rabbani</b> , H. Mushtaq, and MA Khan	2023	An analysis of cross protection of commercial IBV vaccines against locally isolated field strains of infectious bronchitis virus in Pakistan	<b>Pakistan J. Zool. DOI#</b>	0.687
16.	F. Ghazanfar, <b>M. Rabbani</b> , A. Ghafoor, and MH Mushtaq	2022	Evaluation of Antimicrobial activity of organic acids against <i>Compylobacter jejuni</i> in broilers	<b>Pakistan J. Zoology 54(6): 2851-2856</b>	0.687

17.	A. Mustafa, M. Nawaz, <b>M. Rabbani</b> , M. Tayyab, M. Khan	2022	Characterization and evaluation of anti- <i>Salmonella enteritidis</i> activity of indigenous probiotic lactobacilli in mice	<b>Open Life Sciences 17 (1): 978-990</b>	1.311
18.	M.I. Riaz, <b>M. Rabbani</b> , S. Raza, A.R. Awan, A. Kokab and I. Nazir	2022	Construction and characterization of <i>purD</i> gene deleted <i>Brucella abortus</i> vaccine	<b>Pakistan Journal of Zoology DOI</b>	0.687
19.	R.H. Durrani, A.A. Sheikh, M.R. Khan, M. Rabbani, M.I. Riaz	2022	Physiological properties of indigenous lytic bacteriophages as monophage suspension and cocktail against poultry adapted typhoidal <i>Salmonella</i> variants	<b>Veterinary Research Forum 13 (4): 481</b>	0.950
20. -	B.A. Shah, M. Avais, J.A. Khan, <b>M. Rabbani</b> , A.A. Anjum	2022	Vaccines for bovine mastitis are safe and efficacious in laboratory animals	<b>Pakistan J. Zoology. 54 (3): 1-14</b>	0.687
21.	W. Ashraf, A. Rehman, <b>M. Rabbani</b> and M.H. Mushtaq	2022	Assessment of Aflatoxin B1-lysine adduct in children and its effect on their growth in Lahore- Pakistan	<b>Food Additives &amp; Contaminants Part A, 1-11</b>	3.549
22.	S. Naureen, <b>M. Rabbani</b> , A.A. Sheikh, A.S. Hashmi and B. M. Jayarao	2022	Prevalence and risk factors analysis of soil- borne <i>Clostridium perfringens</i> in selected districts of Punjab province, Pakistan	<b>JAPS 32 (5): 382-369.</b>	0.700
23.	R. Tahir, <b>M. Rabbani</b> , A. Ahmad M.Y. Tipu and B.M. Jayarao	2022	Study on occurrence of <i>Listeria monocytogenes</i> in soil of Punjab province and its associated risk factors	<b>JAPS 32 (1): 45-51.</b>	0.700
24.	H. Rehman, A. Ghafoor, <b>M. Rabbani</b> , A. Riaz, F.N. Awan and S. Raza	2022	Locally prepared bovine herpesvirus 1 gE deleted vaccine induced immunogenicity in rabbits	<b>Pak. Vet. J., 42(1): 127-1130</b>	2.300
25.	R.H. Durrani, A.A. Sheikh, <b>M. Rabbani</b> , and M.R. Khan	2022	In vivo effect of novel lytic phage cocktail against <i>Salmonella pullorum</i>	<b>Pakistan J. Zoology 54(6): 2585-2590</b>	0.687
26.	J. Muhammad, <b>M. Rabbani</b> , AA Sheikh, and MT Ghori	2021	Molecular detection of <i>Mycoplasma gallisepticum</i> in different poultry breeds of Abbottabad and Rawalpindi, Pakistan	<b>Brazilian Journal of Biology 83</b>	1.710
27.	I. Nazir, <b>M. Rabbani</b> , A. a Sheikh, S. Firyal, S. Raza and M. I. Riaz	2021	Antibacterial Activity of Medicinal Flowers against Multi Drug Resistant <i>E. coli</i>	<b>Pak. Vet. J., 41(1): 166-168</b>	2.300
28.	A. Ullah, A.A. Anjum, <b>M. Rabbani</b> , et al.,	2021	Phytochemical composition and in vitro activity of ethonolic extract of <i>Eucalyptus globulus</i> leaves against multidrug	<b>Cellular and Molecular Biology 67 (1):</b>	1.600

			resistant poultry pathogens	159-164.	
29.	A. Ullah, A.A. Anjum, <b>M. Rabbani</b> , et al.,	2021	Activity of ethonolic extract of <i>Eucalyptus globulus</i> leaves against multidrug resistant poultry pathogens in broiler chicks	Cellular and Molecular Biology 67 (1): 153-158	1.600
30.	S. Sharaf, M.R. Khan, A. Aslam, <b>M. Rabbani</b> , et al.,	2021	Toxico-pathological effects of heavy metals from industrial drainage wastewater on vital organs of small ruminants in Lahore	Environmental Sciences and Pollution Research 28 (3): 3533-3543.	5.190
31.	M.Z. Shabbir, R.H. Nissly, A. Ahad, <b>M. Rabbani</b> , L. Lim, etc.	2021	Genomic characterization of velogenic avian orthoavulavirus 1 isolates from poultry workers: Implications to emergence and its zoonotic potential towards public health	Asian Pacific J. Tropical Medicine 14 (2): 64-72.	3.041
32.	R. Riaz, K. Muhammad, <b>M. Rabbani</b> , M.A. Iqbal, A.R. Khan, S. Sarfraz, M. Naseer, K. Majeed	2021	Immunomodulatory Effect of New Castle Disease Virus on Inactivated <i>Mycoplasma gallisepticum</i> Vaccine Response in Broilers	Pakistan Journal of Zoology	0.687
33.	I. Nazir, <b>M. Rabbani</b> , A.A. Sheikh, M.I. Riaz, etc.	2021	Evaluation of In Ovo Antiviral Activities of Medicinal Flowers against Newcastle Disease Virus and Avian Influenza Virus	Intl. J. Agric Biol. 26 (1): 185-192.	0.232
34.	A.Y. Arfat, A.A. Sheikh, <b>M. Rabbani</b> , et al.,	2021	Isolation and physiochemical characterization of Brucellaphages	JAPS 31 (5): 2021	0.700
35.	F. Siddique, R.Z. Abbas, A. Iqbal, <b>M. Rabbani</b> , et al.	2021	Development of humoral immune response to thermostable Newcastle disease vaccine strain I-2 in ring necked pheasant ( <i>Phasianus colchicus</i> )	Kafkas Universitesi Veteriner Fakultesi Dergisi, 27 (2): 253-258.	0.633
36.	M. Zulqarnain, N. Sarwar, A.A. Anjum, S. Firyal, T. Yaqub and <b>M. Rabbani</b>	2021	Molecular detection of colistin resistance gene (MCR-1) in <i>E. coli</i> isolate from cloacal swabs in broilers	Pakistan Veterinary Journal online	2.300
37.	S. Afzal, S. Raza, <b>M. Rabbani</b> , S. Firyal, I. Altaf, Z. Naeem	2020	Antiviral Potential of Ivermectin against Peste des Petits Ruminants Virus (PPRV)	Pakistan Journal of Zoology,	0.687
38.	A.Y. Arfat, A.A. Sheikh and <b>M. Rabbani</b>	2021	Isolation, propagation and biocontrol activity of indigenous bacteriophages against <i>Brucella abortus</i>	Intl. J. Agric. Biol.-20-1639	0.232

39.	H. Rehman, M. Rabbani, A. Ghafoor, A. Riaz, F. N. Awan and S. Raza	2021	First Isolation and Genetic Characterization of Bovine Herpesvirus 1 from Cattle in Pakistan	Pak. Vet. J., 41(1) 163-165	2.300
40.	S. Raza, M.T. Navid, W. Zahir, M.N. Khan, M. Awais, T. Yaqub, M. Rabbani, et al.,	2021	Analysis of Spike Proteins Suggest Pangolin as an intermediate Host of COVID-19 (SARS-CoV-2)	Intl. J. Agric. Biol. 25 (3): 639-644.	0.232
41.	R. Tahir, M. Rabbani, A. Ahmad M.Y. Tipu and M.Z. Shabbir	2020	Effect of Soil Chemistry on Distribution of <i>Listeria monocytogenes</i> across Punjab, Pakistan	Intl. Journal of Agriculture & Biology 25: 198-200	0.232
42.	H. Rashid, K. Muhammad, M. Rabbani, M.S. Khan	2020	Sero-prevalence of <i>Bacillus anthracis</i> protective- antigen in nine districts of central Punjab, Pakistan	JAPS 30 (5): 1336- 1340	0.700
43.	M.A. Rasheed, S. Raza, A. Zohaib, T. Yaqub, M. Rabbani, M.I. Riaz, M. Awais, and A. Afzal	2020	In Silico Identification of Novel B Cell and T Cell Epitopes of Wuhan Coronavirus (2019-nCoV) for Effective Multi Epitope-Based Peptide Vaccine Production	Preprint (05:18-22 CET)	0.000
44.	S. Sharaf, M. Rehman Khan, A. Aslam and M. Rabbani	2020	Comparative Study of Heavy Metals Residues and Histo-pathological Alterations in Large Ruminants from Selected Areas around Industrial Waste Drain	Pak. Vet. J 40 (1): 55-60	2.300
45.	S. Murad, M.A. Ali, M. Rabbani, A.A. Anjum, M. Avais, T. Yaqub and Z.F. Harrar	2020	Antibiotic resistance pattern of mastitis causing <i>Escherichia coli</i> toxinotypes	Pak. Vet. J , 40(2): 264-266	2.300
46.	I. Khan, M. Nawaz, A.A Anjum M.D Ahmad, A. Mehmood, M. Rabbani, A. Mustafa and M. A. Ali	2020	Effect of indigenous probiotics on gut morphology and intestinal absorption capacity in broiler chicken challenged with <i>Salmonella enteritidis</i>	Pak. J. Zool,1-7	0.687
47.	F. Ahmad, A. Farooq, M.U.G. Khan, M.Z. Shabbir, M. Rabbani, I. Hussain	2020	Identification of Most Relevant Features for Classification of <i>Francisella tularensis</i> using Machine Learning	Current Bioinformatics 15 (10): 1197-1212.	4.850
48.	H. Rashid, K. Muhammad, M. Rabbani, M.S. Khan, M.Z. Shabbir, A. Ahmad, M.A. Ali, B. Jayarao	2020	Seroprevalence of <i>Bacillus anthracis</i> Protective-Antigen in Nine Districts of Central Punjab, Pakistan	The Journal of Animal & Plant Sciences, 30(5): 1336-1340.	0.700
49.	S Tariq, M Rabbani, A Javeed, A Ghafoor, M	2017	Role of water chemistry and stabilizers on the Vero-cells-	The Journal of Applied Poultry	1.178



	Anees, M Najiullah, and J. Nazir		based infectivity of Newcastle disease virus live vaccine.	Research. 27 (1): 103-111.	
50.	J. Muhammad, <b>M. Rabbani</b> , K. Muhammad, M. Wasim, A. Ahmad	2017	Physico chemical factors affecting persistence of <i>Francisella tularensis</i> in soil.	JAPS 27 (3), 1047-1050.	0.700
51.	F. Akhtar, <b>M. Rabbani</b> , K. Muhammad, M. Younus, A.A. Sheikh, and A. Rasool.	2016	Phylogenetic Grouping of the Pathogenic <i>E. coli</i> Isolated from commercial broiler chicken in Pakistan.	JAPS 26(5): 1242-1248.	0.700
52.	F. Akhtar, <b>M. Rabbani</b> , K. Muhammad, M. Younus, A.A. Sheikh, A. Ghafoor, A. Ahmad.	2016	Comparative Antibiotic Resistance profile of the Multidrug Resistant <i>E. coli</i> Isolated from Commercial and Backyard Poultry.	The J. Anim. Plant Sci. 26 (6).	0.700
53.	A. Ahmad, <b>M. Rabbani</b> , K. Muhammad, M. Younus, M.Z. Shabbir, and A. Cepica	2014	Comparative Diagnostics applications of antigen capture ELISA and immunohisto- chemistry for detection of bovine viral diarrhea persistent infection.	The Journal of Animal & Plant Sciences, 24(4): 1019-1025: ISSN: 1018- 7081.	0.700
54.	M.A. Gondal, <b>M. Rabbani</b> , K. Muhammad, T. Yaqub, M.E. Babar, A.A. Sheikh, A. Ahmad, M.Z. Shabbir and M.I. Khan	2015	Characterization of <i>Mycoplasma gallisepticum</i> isolated from commercial poultry flocks.	The Journal of Animal & Plant Sciences, 25(1):2015, pp: 108-113: ISSN:1018-7081.	0.700
55.	S. Raza, <b>M. Rabbani</b> , N. Ahmad, A.A. Sheikh, K. Muhammad, F. Akhtar and H. Rehman	2013	Uterine Microbial Flora of Nili Ravi Buffalo during Estrus and its Relationship with Pregnancy rate in Pakistan.	Buffalo Bulletin 32 (Special Issue 2): 564-567.	0.200
56.	H. Gohar, <b>M. Rabbani</b> , A. Ahmad, N. Ahmad, A.A. Sheikh and K. Muhammad	2013	Detection of bovine viral diarrhea virus prevalent in dairy herds of Punjab, Pakistan.	Buffalo Bulletin 32 (Special Issue 2): 1088-1090.	0.200
57.	A. Ahad, <b>M. Rabbani</b> , T. Yaqub, A. Mahmood, Z. H. Huthu, M. Z. Shabbir, and A. A. Sheikh	2013	Detection of antibody to Newcastle disease virus in human sera in Pakistan.	JAPS 23(4): 990- 994, ISSN:1018- 7081	0.700
58.	M. A. Gondal, <b>M. Rabbani</b> , K. Muhammad, T. Yaqub, M.E. Babar, A. A. Sheikh, A. Ahmad, M.	2013	Antibodies response of broilers to locally prepared oil based <i>Mycoplasma gallisepticum</i> vaccine	The Journal of Animal & Plant Sciences, (JAPS), 23(4).	0.700

	Z. Shabbir and M. I. Khan.				
59.	A. Ahad, <b>M. Rabbani</b> , A. Mahmood, Z. H. Kuthu, A. Ahmad and M. Mahmudur	2013	Zoonosis Update on H9N2 Avian Influenza Virus	Pakistan Vet. Journal, ISSN: 0253-8318, 2074-7764	2.300
60.	A. Ahad, <b>M. Rabbani</b> , T. Yaqub, M. Younus, A. Mahmood, M.Z. Shabbir and Z. Fatima	2013	Serosurveillance to H9 and H7 avian influenza virus among poultry workers in Punjab province, Pakistan.	Pakistan Veterinary Journal, ISSN: 0253-8318, 33(1): 107-112	2.300
61.	A. Ahad, <b>M. Rabbani</b> , T. Yaqub, M. Younus, A. Mahmood, M.Z. Shabbir, R. K. Khalid and M. Rasheed	2013	A cross sectional sero- survey to H7 avian influenza virus from occupational group of people in Punjab province, Pakistan.	Pakistan Veterinary Journal, ISSN: 0253-8318.	2.300
62.	A. Farooq, <b>M. Rabbani</b> , K. Muhammad, Z. Akram, A. Ahad, Z. Fatima, T. Kamal, and Z. Anwar	2012	Passive immunization of infectious bursal disease virus infected birds using chemically purified immune yolk immunoglobulins (IgY).	African J. Microbiol. Res. 6 (12): 2993-2998.	0.638
63.	M. Shafee, <b>M. Rabbani</b> , M. U. D. Ahmad, K. Muhammad, A. A. Sheikh, M, A Awan, and M. Z. Shabbir	2012	Seroprevalence of bovine brucellosis using indirect ELISA in Quetta Balochistan, Pakistan.	JAPS 22(3 Suppl.): 125-127. ISSN: 1018-7081	0.700
64.	A. Ahmad, <b>M. Rabbani</b> , M. Z. Shabbir, K. Muhammad, T. Yaqub, M. K. Saleemi, R.K. Khalid, M. A. B. Shabbir and S. Y. Alvi	2012	Comparative suitability of ear notch biopsy and serum pairs for detecting nature of bovine viral diarrhoea virus infection in dairy herds.	Pak. Vet. J. 2012, 32(3): 451-455.	2.300
65.	M. Shafee, <b>M. Rabbani</b> , A.A. Sheikh, and A. Razzaq	2011	Prevalence of bovine brucellosis in organized dairy farms, using milk ELISA, Quetta city, Balochistan, Pakistan.	Vet. Med. Intl., Article ID 358950, 3 pages. doi:10.4061/2011/358950. USA (ISSN No. 20420048)	1.650
66.	M.Z. Shabbir, <b>M. Rabbani</b> , A. Ahmad, A. Ahmad, T. Yaqoob, K. Muhammad and Z. Rehman	2011	Detection of rabies virus from equines showing nervous signs.	Pak. J. Zool. 43(3): 608-611 (ISSN No. 0030-9923).	0.687
67.	A. Ahmad, <b>M.</b>	2011	Prevalence of bovine viral	Pak. J. Zool.	0.687

	<b>Rabbani, K.</b> Muhammad, M.Z. Shabbir, T. Yaqub, K. Munir, F. Akhtar and A. Cepica		diarrhea virus persistency in 12 Holstein cattle dairy herds of Charlottetown, Canada.	43(2): 255-261. (ISSN No. 0030- 9923).	
68.	M.Z. Shabbir, <b>M. Rabbani</b> , A. Ahmad, A. Ahmad, K. Muhammad and I. Anwar	2010	Comparative evaluation of clinical samples for early detection of canine distemper virus from naturally infected dogs.	Turk. J. Vet. Anim. Sci. 34 (6): 547-552. (Electronic ISSN: 1303- 6181)	0.581
69.	M.Z. Shabbir, <b>M. Rabbani</b> , A. Maqbool, A. Ahmad, T. Yaqoob, A. Ahmad, Z. Rehman and S. Umair	2010	Comparative clinical epidemiology of toxocariasis in dogs and cats.	Pak. J. Zool., 42 (2): 129-133. (ISSN No. 0030- 9923).	0.687
70.	F. Towakal, <b>M. Rabbani</b> , K. Muhammad, M. S. Khan and M.Z. Shabbir	2010	Major strains of canine parvovirus present in dog population of Pakistan.	Pak. J. Zool. 42 (6): 833-836. (ISSN No. 0030- 9923).	0.687
71.	A. Khan, <b>M. Rabbani</b> , K. Muhammad, A. Maqbool and M.Z. Shabbir	2009	Seroprevalence of brucellosis in buffalo and human in Swat valley NWFP, Pakistan.	Pak. J. Zool. 1 (9): 111-114.	0.687
72.	M.Z. Shabbir, <b>M. Rabbani</b> , K. Muhammad, A. Ahmad, I. Anwar and T. Yaqub	2009	Detection of canine distemper virus from lymphopenic dogs by RT-PCR amplification of nucleoprotein gene.	Pak. J. Zool. 41(5): 424-428.	0.687
73.	M.Z. Shabbir, <b>M. Rabbani</b> , T. Yaqub, A. Ahmad, F. Akhtar, K. Muhammad	(2009)	Trends in isolation and antimicrobial susceptibility of mastitis causing pathogens of Nili Ravi buffalo.	Pak. J. Zool. 1 (9): 273-279.	0.687
74.	T. Sohail, T. Yaqub, T. Abbas, <b>M. Rabbani</b> and MZ Shabbir.	2019	Sero-prevalence of blue tongue virus in small and large ruminants in Punjab province, Pakistan.	Acta Tropica. 189 (1): 22-29.	3.140
75.	S. Raza, K. Siddique, M. Rabbani and T. Yaqub	2019	In silico analysis of four structural proteins of aphthovirus serotypes revealed significant B and T cell epitopes.	Microbial Pathogenesis, 2019 ( <a href="https://doi.org/10.1016/j.micpath.2019.01.007">https://doi.org/10.1016/j.micpath.2019.01.007</a> )	3.738
76.	T. Sohail, T. Yaqub, M Shafee, <b>M. Rabbani</b> and MZ Shabbir.	2018	Sero-prevalence of blue tongue virus in small ruminants in Balochistan province, Pakistan	Trans-boundary and Emerging Diseases. 130 (2): 456-461.	4.340

77.	S. Raza, G. Alvisi, F. Shahin, U. Husain, <b>M. Rabbani</b> , T. Yaqub, AA Anjum, AA Sheikh	2018	Role of Rab GTPases in HSV-1 infection: Molecular understanding of viral maturation and egress.	Microbial Pathogenesis 118: 146-153.	3.738
78.	M. Jabreel, A. Ahmad, <b>M. Rabbani</b> , H. Mushtaq	2018	Evaluation of drinking water quality at various public places in Lahore city, Pakistan.	JAPS 28 (5), 1314-1320.	0.700
79.	A Rasool, AA Anjum, <b>M. Rabbani</b> , M. Lateef, F. Akhtar.	2018	Molecular characterization and phylogenetic analysis of <i>Mycoplasma synoviae</i> isolated from chicken.	JAPS 28 (2), 491-497.	0.570
80.	A. Ahmad, AA. Anjum, <b>M. Rabbani</b> , K. Ashraf	2018	Diversity of phytase producing nontoxigenic fungi isolated from soil.	JAPS 28 (2), 467-473.	0.700
81.	Z. Malik, A. Arfan, AA Aamir, M.Z. Shabbir, A. Ghafoor, N. Ahmad and <b>M. Rabbani</b>	2018	In process quality control factors affecting the quality of locally prepared <i>Salmonella gallinarum</i> antigen.	JAPS 28 (2), 656-659.	0.700
82.	H. Rashid, K. Muhammad, <b>M. Rabbani</b> , M.S. Khan, M.T. Ghori	2018	Prevalence and Distribution of Soil-Borne <i>Bacillus anthracis</i> in different Districts of Punjab, Pakistan.	Pak. J. Zool. 50 (6).	0.687
83.	A. Arif, M. Nawaz, <b>M. Rabbani</b> , S. Iqbal, A. Mustafa and M.R. Yousuf	2018	Screening, characterization and physicochemical optimization of phosphorus solubilization activity of potential probiotic <i>Lactobacillus spp.</i>	Pak. Vet. J. 38(3).	1.803
84.	M.Z. Shabbir, R.H. Nissly, A. Ahad, <b>M. Rabbani</b> , S.K. Chothe and A. Sebastian	2018	Complete Genome Sequences of three related Avian Avulavirus 1 isolates from Poultry Farmers in Pakistan.	Genome announcements 6 (18), e00361-18.	0.890
85.	M.T. Ghori, MS. Khan, J.A. Khan and <b>M. Rabbani</b>	2018	Molecular detection of <i>Burkholderia mallei</i> in nasal swabs from draught horses with signs of respiratory tract infection.	The JAPS 28 (6), 1717-1724.	0.700
86.	SK Fareed, F Muhammad, J Muhammad, <b>M Rabbani</b> , TA Khan	2017	Molecular characterization of universal Mycoplasma and <i>Acholeplasma laidlawii</i> from buffaloes ( <i>Bubalus bubalis</i> ) at Karachi, Pakistan.	Indian Journal of Animal Research	0.440
87.	MT Ghori, MS Khan, JA Khan, <b>M Rabbani</b> , MZ Shabbir	2017	<a href="#">Seroprevalence and risk factors of glanders in working equines- findings of a cross-sectional study in Punjab province of Pakistan.</a>	Acta Tropica 163: 61-69.	3.140
88.	A. Ahmad, A.A.	2017	Effect of fermented rice bran on growth performance and	Indian Journal of Animal	0.440

	Anjum, <b>M. Rabbani</b>		bioavailability of phosphorus in broilers.	Research.	
89.	R Ahmed, K Muhammad, <b>M Rabbani</b> , MS Khan, AA Anjum, J Muhammad	2017	Risk factors associated with the prevalence of soil borne <i>Brucella species</i> detected by metagenomics approach in Punjab, Pakistan.	Journal of Animal & Plant Sciences 27 (6).	0.700
90.	A. Rasool, A.A. Anjum, <b>M. Rabbani</b> , M. Lateef and M. Nawaz	2017	Preparation of <i>Mycoplasma synoviae</i> antigen and evaluation by rapid slide agglutination and enzyme linked immunosorbent assay.	JAPS 27 (3), 841-847.	0.700
91.	MA Ali, K. Muhammad, AA Anjum, <b>M. Rabbani</b> , M.Z. Shabbir, B.M. Jayarao	2017	<a href="#">Association of soil chemistry and other factors with spatially distributed <i>Burkholderia mallei</i> DNA in Punjab province, Pakistan.</a>	Intl. Burbhan Appl. Sci. Tech. (IBCAST) 220-236.	0.600
92.	MA Ali, K Muhammad, <b>M Rabbani</b> , AA Anjum, MZ Shabbir, MH Chaudhry	2017	Spatial distribution of <i>Burkholderia mallei</i> genome in Punjab, Pakistan.	Intl. Burbhan Applied Sciences and Technology (IBCAST).	0.600
93.	S. Ali, R. Din, S. Khan, N. Imtiaz, S. Aslam, S. Ahmad, H. Khan, <b>M. Rabbani</b> , J. Muhammad and Z. Iqbal.	2017	Study on quality and efficacy of commercial tylosin and doxycycline products against local isolates of mycoplasma in broiler.	Pak. J. Pharm. Sci. 30 (2): 541-549.	0.684
94.	S. Sana, AA Anjum, M Nawaz, MD Ahmad, <b>M Rabbani</b>	2017	Diversity of soil borne starch hydrolyzing fungi of livestock farms.	JAPS: Journal of Animal & Plant Sciences 27 (2).	0.700
95.	W. Ghias, M. Sharif, F.A. Yazdani, <b>M Rabbani</b>	2016	Isolation and identification of methicillin and vancomycin resistance <i>Staphylococcus aureus</i> from pus samples of injured skin patients in Lahore, Pakistan.	Biomedical Letters 2 (2): 103-112.	0.190
96.	M.Z. Shabbir, S. Akram, Z. Hassan, <b>M. Rabbani</b> , J. Muhammad T. Abbas, M.T. Ghorri, H. Rashid, T. Jamil, W. McVey and B.M. Jayarao	2016	Evidence of <i>Coxiella burnetii</i> in Punjab province, Pakistan. (Foreign)	Acta Tropica 163: 61-69.	3.140
97.	Sameera, A., M.A. Muneer, K. Muhammad, M.Y. Tipu, <b>M. Rabbani</b> , A. Rahman and M.Z.	2016	Genetic Characterization and Phylogeny of pigeon paramyxovirus isolate (PPMV-1) from Pakistan.	Springer Plus 5: 1295.	1.841

	Shabbir				
98.	A. Rasool, S. Akhtar, K. Muhammad, <b>M. Rabbani</b> , A.A. Anjum, J. Muhammad, et al.,	2016	Comparative evaluation of factors affecting hemagglutinating activity of avian influenza (H9) virus.	Turkish Journal Veterinary Animal Science 40: © TÜBİTAK doi:10.3906/vet-1504-80	0.581
99.	A Kanwal, AA Sheikh, <b>M Rabbani</b> , T Hussain, I Safdar.	2016	Detection of Escherichia coli and Salmonella from retail quail meat through optimized multiplex PCR.	Pak. J. Agri. Sci 52 (3): 809-813.	0.748
100.	A. Raza, A. Ahmad and <b>M. Rabbani</b> .	2016	Optimization of quality control factors for indigenous <i>Mycoplasma gallisepticum</i> bacterin preparation and their impact on immunoprophylaxis in broilers.	Pakistan Veterinary Journal. 36(2): 227-229.	2.300
101.	I. Habib, A. A. Anjum, <b>M. Rabbani</b> , M.U.D. Ahmad, M. A. Ali, M. Nawaz, et al.,	2016	Occurrence of antimicrobial resistant bacteria in dogs suffering from enteritis.	The Journal of Animal & Plant Sciences. 26(1): 13-16.	0.700
102.	M.Z. Shabbir, T. Jamil, M. Asad, A. Ali, A. Ahmad, M. Naeem, M. H. Chaudhary, M. Bilal, M.A. Ali, K. Muhammad, T. Yaqub, A. Bano, A.I. Mirza, M.A.B. Shabbir, W.R. McVey, K. Patel, S. Francesconi, B.M. Jayarao and <b>M. Rabbani</b>	2015	Prevalence and distribution of soil-borne zoonotic pathogens in Lahore district of Pakistan.	Frontiers in Microbiology 6 (917): 1-9.	6.064
103.	M. Z. Shabbir, T. Malys, Y. V. Ivanov, J. Park, <b>M. Rabbani</b> , T. Yaqub and E. T. Harvill	2015	Microbial communities present in the lower respiratory tract of clinically healthy birds in Pakistan.	Poultry Science 00:1-9. <a href="http://dx.doi.org/10.3382/ps/pev010">http://dx.doi.org/10.3382/ps/pev010</a> .	3.196
104.	A.Y. Shaheen, A.A. Sheikh, <b>M. Rabbani</b> , A. Aslam, T. Bibi, F. Liaqat, J. Muhammad and S.F. Rehmani	2015	Antibacterial activity of herbal extracts against multi-drug resistant <i>Escherichia coli</i> recovered from retail chicken meat.	Pak. J. Pharm. Sci., 28(4): pp. 1295-1300.	0.684
105.	J. Muhammad, A.A. Anjum. <b>M. Rabbani</b> . K. Muhammad. A.A. Sheikh	2015	In vitro efficacy of garlic, glycyrrhiza and neem against local isolates of <i>Mycoplasma gallisepticum</i> .	The Journal of Animal & Plant Sciences. 25(1); 2015.	0.700
106.	N. Sarwar, K. Muhammad, <b>M.</b>	2015	Factors affecting potency of hemorrhagic septicemia	Intl. J. Agric. Biol. Online:	0.887

	Rabbani, M. Y. Rana, M. Sarwar, M. A. Ali, J. Nazir and M. Kamran		vaccines.	1814-9596. 12-874/2015/17/2-387-390.	
107.	A. Raza, A. Ahmad, M. Rabbani, A. Mahmood, M. Younus, Z. Ali and A. Ahad	2015	Optimization of quality control factors for indigenous <i>Mycoplasma gallisepticum</i> bacterin preparation and their impact on immunoprophylaxis in broilers.	Pakistan Veterinary Journal, ISSN: 0253-8318 (Print), 2074-7764 (Online)	2.300
108.	F. Liaqat, AA. Sheikh, J. Nazir, T. Hussain, M. Rabbani, A.Y. Shaheen and J. Muhammad.	2014	Studies on efficacy of antibacterial potential bearing plants against clinical isolates of vancomycin resistant staphylococcus	Pak. J. Pharm. Sci. 28 (3), 997-1004.	0.684
109.	M. Anees, K. Muhammad, M. Rabbani, M. Younus, J. Nazir	2014	In Process Quality Control Factors Effecting Potency of Peste des Petits Ruminants Virus Vaccines in Goats.	The Journal of Animal & Plant Sciences, 23(3): 749-754	0.700
110.	MZ Shabbir, J Park, K Muhammad, M Rabbani, MY Rana, ET Harvill	2014	Culture Independent Analysis of Respiratory Microbiome of Houbara Bustard ( <i>Chlamydotis undulate</i> ) Revealed Organisms of Publics Health Significance.	International Journal of Agriculture & Biology: 13: 222-226.	0.887
111.	Q. Akram, K Muhammad, M Rabbani, K Ashraf, J Nazir, M Anees	2014	Optimization of Physico-chemical Factors for Augmenting Biomass Production of Baby Hamster Kidney Cells (BHK-21) in Roller Bottle.	International Journal of Agriculture & Biology: 12: 353-358.	0.887
112.	K.A. Shahzad, K. Muhammad, A.A. Sheikh, T. Yaqub, M. Rabbani, A.A. Anjum	2013	Isolation and Molecular Characterization of Shiga Toxin Producing <i>E. coli</i> O157.	The Journal of Animal & Plant Sciences, 23 (6): 618-1621	0.700
113.	N. Sarwar, K. Muhammad, M. Rabbani, M. Y. Rana, M. Sarwar, M. A. Ali	2013	Optimization of Physico-Chemical Factors Augmenting <i>In Vitro</i> Biomass Production of <i>Pasteurella multocida</i> .	JAPS 23 (4): 1085-1088	0.700
114.	M. Z. Shabbir, J. Park, M. Rabbani, K. Muhammad, M. Younus, E. T. Harvill	2013	Molecular identification of respiratory microbiota of a young ostrich ( <i>Struthio camelus</i> ) using trachea-broncho alveolar lavage.	The Journal of Animal & Plant Sciences, 23(5): 1276-1280	0.700
115.	Q. Akram, K. Muhammad, M. Rabbani, J. Nazir, M. Nawaz, K. Hanif and Z. Shakoor	2013	Augmentation of biological titer of Foot and Mouth disease virus.	The Journal of Animal & Plant Sciences, 23(3): 771-774.	0.700
116.	M. Sarwar, K. Muhammad, M.	2013	Prevalence of Avian Influenza Viruses in Live Bird Markets of	JAPS, 23(2):	0.700

	<b>Rabbani, A. Ahad</b>		Lahore.	388-392.	
117.	K. Muhammad, M. A. Tariq, I. Altaf, <b>M. Rabbani</b> , R. M. Khawaja, Q. Akram, M. A. Ali and K. Hanif	2013	Effect of Different Adjuvants used in Foot and Mouth Disease virus Vaccine on Antibody response of Buffalo Calves.	JAPS, 23(3): 736-739.	0.700
118.	<b>M. Z. Shabbir, R. K. Khalid, D. M. Freitas, M.T. Javed, M. Rabbani, et al.</b>	2012	Serological evidence of selected abortifacients in a dairy herd with history of abortion.	Pak. Vet. J.	2.300
119.	M.Y. Tipu, Z.I. Chaudhry, M. Younus and <b>M. Rabbani</b>	2012	A cross sectional study of <i>Mycobacterium bovis</i> in dairy cattle in and around Lahore city, Pakistan.	Pakistan J. Zool. 44 (2): 393-398	0.687
120.	M.Z. Shabbir, M.M. Nazir, M. Lateef, M.A.B. Shabbir, A. Ahmad, <b>M. Rabbani</b> , and T. Yaqub	2011	Seroprevalence of <i>Neospora caninum</i> and <i>Brucella abortus</i> in dairy cattle herds with high abortion rates.	J. Parasitol. 97(4): 740-742.	1.276
121.	M.T. Ghori, K. Muhammad and <b>M. Rabbani</b>	2011	Physical Factors Affecting in Vitro Replication of Foot and Mouth Disease Virus (Serotype "O").	Pak. Vet. J., 31(4): 313-316.	2.300
122.	M. Avais, M.S. Khan, M.A. Khan, K. Ashraf, <b>M. Rabbani</b> and A.S. Hashmi	2011	Modified picrate method for determination of cyanide in blood.	Pak. J. Pharm. Sci. 24 (2): 149-53. ISSN 1011-601X).	0.684
123.	M.D. Mehmood, K. Muhammad, <b>M. Rabbani</b> , A. Hanif and I. Hussain	2011	<i>In process</i> quality control factors affecting efficacy of hydropericardium syndrome virus vaccine.	Pak. J. Zool. 43 (1): 73-77. (ISSN: 0030-9923).	0.687
124.	K. Muhammad, Z.I. Chaudhry, <b>M. Rabbani</b> , I. Altaf, M.A. Tariq and M. Anees	2011	<i>In process quality control</i> factors affecting potency of foot and mouth disease virus vaccine.	Pak. J. Zool. 43 (2): 249-254. (ISSN: 0030-9923).	0.687
125.	A. Ahmad, S. Rehman, Z. Ahmed, M. Bilal, <b>M. Rabbani</b> and K. Muhammad	2011	Passive immunization of <i>Pasteurella multocida</i> infected rabbits.	Pak. J. Zool. 43(4): 623-628. (ISSN No. 0030-9923).	0.687
126.	M. Sohaib, M. Siddique, K. Muhammad, <b>M. Rabbani</b>	2010	Prevalence of avian influenza virus in poultry layer flocks in and around Faisalabad, Punjab, Pakistan.	Pak. J. Zool. 42(3): 325-329. (ISSN No. 0030-9923)	0.687
127.	S. Khan, K. Muhammad, <b>M. Rabbani</b> , I. Hussain	2010	<i>In process</i> quality control factors affecting efficacy of avian influenza H5N1 vaccine.	Pak. J. Zool., 42(3): 277-283.	0.687



128.	F.N. Awan, M.A. Khan, K. Muhammad, <b>M. Rabbani</b> , M. Younus and R.M. Khawaja	2009	Epidemiological investigation of foot and mouth disease in districts of Punjab.	Pak. J. Zool. 1 (9): 179-185. (ISSN No. 0030-9923)	0.687
129.	Z. Ali, A. Maqbool, K. Muhammad, I. Altaf, M.S. Khan, <b>M. Rabbani</b> , A. Hanif and H.J. Iqbal	2009	Antibody response of buffalo calves to montanide based hyalomma tick homogenate vaccine.	Pak. J. Zool., 1 (9): 167-172.	0.687
130.	Warriach, H.M., N. Ahmad, M.S. Khan, <b>M. Rabbani</b> and M. Ahmad	2008	Effect of antibiotics treatment on pregnancy rate of repeat breeder cross bred cows.	Pakistan Vet. J. 28 (1): 40-42.	2.300
131.	Ahmad, A., <b>M. Rabbani</b> , T. Yaqoob and M.Z. Shabbir	2008	Status of IgG antibodies against <i>Mycoplasma gallisepticum</i> in non-vaccinated commercial poultry breeder flocks.	J. Anim. Pl. Sci. 18(2-3): 61-63.	0.700
132.	S. Rehman, <b>M. Rabbani</b> , K. Muhammad and Z. Iqbal	2007	Studies on in vitro culture characteristics of adherent baby hamster kidney- 21 (BHK-21) cell line.	Intl. J. Agric. Biol. 9 (6): 821-826.	0.887
133.	M.A. Khan, <b>M. Rabbani</b> and K. Muhammad	2006	Isolation and characterization of canine parvovirus.	Intl. J. Agric. Biol. 8 (6): 898-900.	0.887
134.	M.M. Mukhtar, <b>M. Rabbani</b> and K. Muhammad	2003	Passive immunization of avian influenza infected broilers.	Pak. J. Sci. 55 (1-2): 10-15. (ISSN: 0030-9877; HEC Category Y)	0.000
135.	Z. Munir, <b>M. Rabbani</b> and M.A. Muneer	2002	Immune response of chicks to inactivated avian influenza virus H9N2 vaccines and vitamin-E supplementation.	Pak. J. Sci. Res. 54 (3-4):. (ISSN: 0552-9050)	0.000
136.	M.A. Muneer, <b>M. Rabbani</b> and K. Muhammad	2001	Observations on an avian influenza (H <sub>9</sub> N <sub>2</sub> ) virus outbreak at poultry farms in Karachi.	Pak. Vet. J. 21 (2): 12-18.	2.300
137.	D. Hussain and <b>M. Rabbani</b>	2000	Bovine Tuberculosis- A Review.	Pak. J. Sci. 52(3-4): 1-10 (ISSN: 0030-9877; HEC Category Y).	0.000
138.	S.A. Jafri and <b>M. Rabbani</b>	1999	Prevalence of canine diseases in Lahore area.	Pak. Vet. J. 19(1): 41-42.	2.300
139.	<b>M. Rabbani</b> and M.A. Hafeez	1998	Annual correlative changes in the ovary and the gonadotrophs of the barb, <i>Puntius ticto</i> Ham (Teleostei, Cyprinidae)	Proc. Pak. Acad. Sci. 35 (2): 109-116. (ISSN: 0377-2969; HEC	0.110

				Category X)	
140.	S.A. Jafri, M. Rabbani, S. Abbas and H. Rehman	1998	A study on pH of body fluids and excreta in different domestic animals.	Pak. J. Sci. 50 (3-4): 45-48. (ISSN: 0030-9877; HEC Category Y)	0.000
141.	R. Rehman, M. Rabbani, S.A. Khan and C.M. Saleem	1996	Pathological aspects of early chick mortality due to bacterial infections.	Pak. J. Sci. Res. 48 (3-4): 101-105. (ISSN: 0552-9050;)	0.000
142.	Z.I. Chauhan, M. Rabbani, S. Abbas, H. Rehman and N.A. Mian	1996	Effect of substitution soyabean oil meal with dried brewer's yeast on the performance of Japanese quails.	Pak. J. Sci. Res. 48 (3-4): 112-114. (ISSN: 0552-9050)	0.000
143.	K. Naeem, M. Rabbani, M. Hussain and A.H. Cheema	1995	Development of cell culture vaccine against hydropericardium syndrome in poultry	Pak. Vet. J. 15: 150-51.	2.300
144.	K.A. Khan, S.A. Khan and M. Rabbani	2002	A study on the pathogenesis of yolk retention in broiler chicks	Pakistan Vet. J. 22 (4): 175-180.	2.300
145.	Sahidullah, S. Rehman, M. Rabbani and K. Muhammad	2008	Development of standard protocols for preparation and evaluation of liver homogenate vaccines against HPS virus in poultry.	Pakistan Vet. J. 28(4): 163-166.	2.300
146.	B. Zamir, K. Muhammad, M. Rabbani and A.R. Malik	2006	Studies on the cross reactivity of vaccinal strains of infectious bronchitis virus.	Pakistan J. Sci. 58 (3-4): 60-65. (ISSN: 0030-9877; HEC Category Y)	0.000
147.	H.A.G. Farooqi, M.S. Khan, M.A. Khan and M. Rabbani	2005	Effect of betaine and vitamin C on antibody status of heat stressed broilers.	Intl. J. Agric. Biol. 7 (5): 744-746.	0.887
148.	K.A. Khan, S.A. Khan, A. Aslam and M. Rabbani	2004	Factors contributing to yolk retention in poultry.	Pakistan Vet. J. 24 (1): 46-51.	2.300
149.	M.S.D. Shah, S.A. Khan, A. Aslam, M. Rabbani, K.A. Khan and M.F. Rai	2004	Effect of experimental yolk sac infection with <i>Escherichia coli</i> on immune status of broiler chicks.	Pakistan Vet. J. 24 (2): 52-56	2.300
150.	S. Hussain, K. Muhammad and M. Rabbani	2004	Passive immunization of foot and mouth disease virus infected bovines.	Pakistan J. Sci. 56 (3-4): 76-80 (ISSN: 0030-9877; Abst. CABI, ; HEC Category Y).	0.000

151.	J. Nazir, K. Muhammad and <b>M. Rabbani</b>	2004	Studies on the physicochemical factors affecting keeping quality of hyperimmune yolk.	Pakistan J. Sci. 56 (1-2): 28-31. (ISSN: 0030-9877; HEC Category Y)	0.000
152.	G. Ahmad, K. Muhammad, <b>M. Rabbani</b> and A. Ahmad	2004	Passive immunization against hydropericardium syndrome affected chickens.	Pakistan J. Sci. 56 (1-2): 6-10. (ISSN: 0030-9877; HEC Category Y)	0.000
153.	A. Ahmad, S. Akhtar, K. Muhammad, G. Khalid and <b>M. Rabbani</b>	2004	Comparative immunogenicity of hydropericardium syndrome vaccines in broilers.	Pak. J. Sci. Res., 56 (1-2): 18-21. (ISSN: 0552-9050)	0.000
154.	M.A. Muneer, H.A. Hashmi and <b>M. Rabbani</b>	2001	Immunomodulatory effect of inactivated <i>Eimeria tenella</i> vaccine and live imported coccidial vaccine on Newcastle disease virus vaccinated broiler chicks.	Pak. Vet. J. 21(1): 47-51.	2.300
155.	A. Hameed, N. Ahmad and <b>M. Rabbani</b>	2001	Effect of replacing dietary levels of soybean meal with canola meal in Japanese quails.	Intl. J. Agric. & Biol. 4 (3): 389-391.	0.887
156.	M.A. Altaf, M. Ajmal, M.A. Muneer and <b>M. Rabbani</b>	2001	Serosurveillance of leptospirosis in horses.	Pak. J. Sci. Res. 53(1-2): 48-50. (ISSN: 0552-9050;)	0.000
157.	A. Nasim, H.M. Farooq, <b>M. Rabbani</b> and M.Z. Iqbal	2001	Antibiogram study of schiff base transition metal complexes derived from arabinose sugar with amino acids and antibiotics.	Acta Sci., 11(2): 111-120.	0.000
158.	C.M. Saleem, S.A. Jafri, <b>M. Rabbani</b> and S. Ali	1999	Water metabolism in desi and commercial layers at ten months after maturity as influenced by different protein and salt levels during summer season.	Pak. J. Sci. 51(1-2): 10-14. (ISSN: 0030-9877; HEC Category Y).	0.000
159.	S.A. Jafri, S. Abbas, <b>M. Rabbani</b> , H. Rehman and C.M. Saleem	1997	Effect of feeding almonds and walnuts on serum cholesterol and blood pressure in man.	Pak. J. Sci. Res. 49 (3-4): 108-111. (ISSN: 0552-9050).	0.000
160.	A. Hameed, M. Ashraf, H. Rehman, S.A. Jafri and <b>M. Rabbani</b>	1997	Efficacy of ivermectin against ecto and endo parasites in equine	Pak. J. Sci. 49 (1-2): 50-52. (ISSN: 0030-9877; HEC Category Y)	0.000
161.	H. Rehman N. Ahmad, K. Ashraf, <b>M.</b>	1998	Comparative efficacy of Tiamulin, Tylosin and	Pak. J. Sci. 50 (1-2): 42-44.	0.000

	Rabbani, S.A. Jafri and S. Ali		Erythromycin against experimental <i>Mycoplasma gallisepticum</i> infection in broiler.	(ISSN: 0030-9877; HEC Category Y)	
162.	K. Shafi, M. Ashraf, H. Rehman, M. Rabbani and M.S. Khan	1998	Drug trials against <i>Escherichia coli</i> isolated from commercial broilers.	Pak. J. Sci. Res. 50 (3-4): 19-22. (ISSN: 0552-9050;).	0.000
163.	L.A. Khan, M. Naeem, M. Rabbani, H. Rehman and Z. Ahsan	1998	Comparative seroprevalence of bovine viral diarrhoea in local and exotic cattle breeds at different government livestock farms in Punjab	Pak. J. Sci. Res. 50 (1-2): 47-51. (ISSN: 0552-9050;).	0.000
164.	M. Khalil, R. Riaz, K. Muhammad, A. A. Sheikh, M. H. Mushtaq, M. Rabbani, S. Sarfraz	2017	Antibody response of broilers to oil based combined <i>Mycoplasma gallisepticum</i> and Newcastle disease virus vaccine.	JAPS 27 (4): 1150-1154.	0.700
<b>Total Impact Factor (above):</b>					<b>200.0</b>

#### PAPERS PUBLISHED IN PROCEEDINGS OF CONFERENCES / SEMINARS:

165.	M. Avais, H. U. Rasool, M. S. Khan, M. Rabbani, K. Muhammad	2016	Brucellosis in buffaloes: A novel treatment approach using chemo-immunotherapy.	World Buiatrics Congress 2016 (WBC) Dublin, Ireland (Foreign)
166.	H.U. Rehman, M. Rabbani, A.A. Sheikh, N. Ahmad, S. Raza, J. Muhammad	2015	Studies on uterine microbial flora of sahiwal cattle during oestrus.	International Symposium on Dairy Animal Reproduction (ISDAR 2015)
167.	M. Z. Shabbir, Y. Ivanov, J. Park, M. Rabbani, T. Yaqub, N. Mukhtar, A. Ahmad, E. T. Harvill	2015	Culture independent analysis of gastrointestinal tract microbiome of clinically healthy and diseased calves.	Asian Buffalo Congress 2015, Istanbul Turkey, April 21-25, 2015 (Foreign)
168.	J. Muhammad, M. Rabbani, M.Z. Shabbir, K. Muhammad, et al.,	2015	Risk factors associated with seroprevalence of <i>Francisella tularensis</i> in domestic animals of Punjab Province Pakistan.	Abstracts of 37 All Pakistan Science Conference, Pakistan Association for the Advancement of Science.
169.	M. A. Gondal, M. Rabbani, J. Muhammad, R. K. Khalid, M. Asim, M. I. Khan	2014	Production of oil based <i>Mycoplasma gallisepticum</i> vaccine from the field isolate and its comparison with imported commercial vaccine.	20 <sup>th</sup> Congress of the International Organization for Mycoplasmaology-IOM, France (Foreign)
170.	M. Rabbani	2014	Southern Punjab Livestock	Poultry & Agri Convention, BZU, Multan

171.	F. Yasin, A. A. Sheikh, <b>M. Rabbani</b> , A. Aslam, K. Muhammad, J. Muhammad	2014	Characterization of Antimicrobial Resistance in Escherichia coli recovered from retail chicken meat from Lahore city.	International Conference & Expo 2014 “Recent Developments in Human Nutrition, UVAS, Lahore
172.	A.M.A. Khan, T. Yaqub, <b>M. Rabbani</b> , K. Muhammad, H. Mushtaq, A.A. Sheikh and J. Muhammad	2014	Sources of Salmonella Contamination in Poultry Meat During Processing and its resistance to Antibiotics.	International Conference & Expo 2014 “Recent Developments in Human Nutrition, UVAS, Lahore
173.	M. Z. Shabbir, J. Park, MAB, Shabbir, I Yury, T. Yaqub, <b>M. Rabbani</b> , K. Muhammad, RM Younus, E. T Harvill	2014	ERA4- Poster: Culture Independent analysis of respiratory microbiota of birds in the free range system.	EPIZONE 7 <sup>th</sup> Annual Meeting, Brussels, <b>Belgium (Foreign)</b> .
174.	<b>Masood Rabbani</b> , K. Muhammad, A.A. Sheikh, A. Ahmad, M. Ahmad, Rana K. Khalid, J. Muhammad, M. Asim, Mazhar I. Khan	2012	Isolation and characterization of <i>Mycoplasma gallisepticum</i> from commercial poultry flocks in Pakistan	19 <sup>th</sup> Congress of International Organization of Mycoplasmology, 15-20 July 2012, <b>France</b> . No. 68 Page 64 ( <b>Foreign</b> )
175.	<b>M. Rabbani</b>	2010	Immuno-suppression in Poultry	Proc. Conf. on National Poultry and Food Expo, Expo Center, Lahore. Sept. 24-25
176.	<b>M. Rabbani</b>	2009	UVAS- University Diagnostic Lab (UDL)- A workable model for district / provisional level veterinary disease diagnostic or related labs for livestock / poultry development in Pakistan.	Proc. Natl. Symp. on “Modern Trends and Approaches in Microbiology” at Instt. Of Pure & Appl. Biol., BZU, Multan in collaboration with HEC, Islamabad. Jan. 21. pp 23-24.
177.	K. Muhammad, <b>M. Rabbani</b> and M. Baber	2004	Development of enzyme linked immunosorbent assay for diagnosis of foot and mouth disease in bovines.	1 <sup>st</sup> Natl. Conf. on Agricultural Biotechnology” by <b>National Commission on Biotechnology &amp; MST</b> , at Nathiagali on Aug. 16-18
178.	M.N. Akhtar, <b>M. Rabbani</b> , M.A. Muneer, M.S. Khan and H. Jalil	2004	Economic impact of bovine tuberculosis in Pakistan.	Proc. Natl. Seminar on “Diseases of Livestock”. at UVAS, Lhr. Jan 24. p 4.
179.	M.A. Altaf and <b>M. Rabbani</b>	2004	Prevalence of Brucellosis and leptospirosis in horses in Lahore area.	Proc. Natl. Seminar on “Diseases of Livestock” at UVAS, Lhr. Jan 24. p 12
180.	M.H. Iqbal, <b>M. Rabbani</b> , M.A. Muneer and K. Ashraf	2004	Study on the evaluation of immune status of layer cockerels against Newcastle disease virus through active	Proc. Natl. Seminar on “Diseases of Livestock” at UVAS, Lahore on Jan 24. p 15

			immunization.	
181.	G. Ahmad, A. Saeed, R.A. Chaudhry and <b>M. Rabbani</b>	2000	Use of GnRH to improve the conception rate of Nili-Ravi buffaloes during the low breeding season. Publ. Pak. Sci Conf. Muzaffarabad, June 12-15. p 10.	Publ. Pak. Sci Conf. Muzaffarabad, June 12-15. p 10.
182.	M. Riaz, T.N. Pasha, A. Khalique and <b>M. Rabbani</b>	2000	Influence of various levels of soybean meal as a source of vegetable protein in broiler diet.	Publ. Natl. Conf. Poult. Vet. Med. by World's Poult. Sci. Assoc., Lhr, Mar 10-11. p 81.
183.	K.N. Qazi, H. Rehman, <b>M. Rabbani</b> , N. Ahmad and A. Aslam	1999	Economic impact of mastitis in livestock production.	PASF/PVMA Agro-Livestock Conf., pp 116, March 20-21.
184.	<b>M. Rabbani</b> , M.A. Muneer and K. Naeem	1998	Purification of an avian adenovirus PARC-1 isolate causing Angara disease (HPS) in chickens of Pakistan.	Proc. Intl. Seminar on "Microbial Diseases of Livestock & Poultry" held at CVS, Lahore, Mar.21.
185.	<b>M. Rabbani</b> , M.A. Hafeez, H. Rehman and S.A. Jafri	1997	Cyclic changes in the pituitary in relation to ovarian development in a cyprinid fish ( <i>Puntius ticto</i> ).	17 <sup>th</sup> Pak. Zool. Cong. April 5-7.
186.	M. Ashraf, H. Rehman, <b>M. Rabbani</b> and M.A. Khan	1997	A profile of serum albumin, serum globulin and total leukocytic count in prepubertal buffalo calves.	17 <sup>th</sup> Pak. Zool. Cong. April 5-7.
187.	K. Shafi, M. Ashraf, H. Rehman, N. Ahmad and <b>M. Rabbani</b>	1997	Drug trials on <i>Escherichia coli</i> isolated from broilers.	Publ. 17 <sup>th</sup> Pakistan Zool. Cong. April 5-7.
188.	<b>M. Rabbani</b> , M.A. Muneer and K. Naeem	1996	An adenovirus outbreak in broiler chickens.	Proc. Natl. Conf. "Veterinary Medicine", by Commonwealth Vet. Assoc., Lahore, Dec 11-12. pp 53-56.

## BOOKS / MANUALS / AUTHORED: 13

<b>International Publisher</b>				
189.	M. Rabbani, T. Yaqub, A.A Sheikh, S. Azeem, S. Raza, and M.I. Riaz	2022	Biorisk Management Guideline for Veterinary Education Establishments in Pakistan	Publ. by Sandia National Laboratories, New Mexico, USA
190.	A. Ahmad, M. Rabbani and K. Muhammad	2011	“Diagnostic Approaches for detection of BVDV Persistency in Dairy Herds”.	Publ. by LAP LAMBERT Academic Publishing, UK  Available at Amazon
191.	M. Z. Shabbir, M. Rabbani and K. Muhammad	2010	“Canine Distemper and Its Diagnosis: Comparative diagnostic application of clinical samples and lymphopenia”.	Publ. by LAP LAMBERT Academic Publishing, UK  Available at Amazon
<b>National Publisher</b>				
192.	S. Sana, A.A. Sheikh, T. Yaqub, M. Rabbani and A.A. Anjum	2022	A Laboratory Manual of Mycology	University of Veterinary and Animal Sciences, Lhr
193.	M. Rabbani	1 <sup>st</sup> / 2018 (2013)	Diseases of Dairy Animals and Control	The Penn State University, USA and UVAS, Lahore  ISBN No. 978-969-9425-01-1, National Library of Pakistan, Islamabad  Available at Amazon
194.	K. Muhammad, M. Rabbani, et al.	2018	Concise Veterinary Immunology	Publ. by Dept of Microbiology, University of Veterinary & Animal Sciences, Lahore  ISBN# 978-969-7517-18-3, 2018
195.	K. Muhammad and M. Rabbani	2015	Veterinary Medicine in Pakistan Medication and Vaccination	Available at Amazon
196.	K. Muhammad and M. Rabbani	2014	Practicals in Fundamental Immunology	Publ. by UVAS, Lahore  Available at Amazon
197.	M. Rabbani	2014	Veterinary Bacteriology Manual	Publ. CreateSpace Independent Publishing Platform; 1 edition (September 21, 2014), ISBN-10: 1502451808, ISBN-13: 978-1502451804 Available at Amazon
198.	K. Muhammad and M. Rabbani	2013	Onehealth: Open Source Bacteriology: Concise Bacteriology	Available at Amazon
199.	M. Rabbani	2007	UVAS History Book 1882-2007	125 Years of Excellence of

				UVAS, Lahore
200.	K. Muhammad, M. Rabbani and M. Sadiq	2002-2003	General Microbiology and Immunology Manual	Ferozan Publishing Co., Urdu Bazar, Lahore
201.	M. Rabbani, M.A. Muneer and K. Naeem	2001-2002	Techniques in Virology	-do- Reference Book in Virology course of HEC Approved DVM Curricula
202.	K. Muhammad, M. Rabbani and M. Sadiq	2001-2002	Isolation and Identification of Veterinary Bacterial Pathogens	-do- Reference Book in Virology course of HEC Approved DVM Curricula
203.	M. Rabbani and S.A. Jafri	1998-99	Care and Diseases of Dogs	Published from College of Veterinary Sciences, Lahore

## Mentorship

### MAJOR ADVISOR/SUPERVISOR OF PhD STUDENTS\*

SR	TITLE OF RESEARCH THESIS	Name of Student
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#### Research titles of PhD students under investigation:

1-	Sero-prevalence and molecular characterization of leptospira in buffaloes of Punjab province (Major Supervisor)	Bushra Zamir (PhD Thesis Submitted, 2023)
2-	Prevalence and distribution of soil-borne <i>Clostridium perfringens</i> in selected districts of Punjab province, Pakistan (Major Supervisor)	(Saira Naureen) (PhD Thesis Submitted, 2023)
3-	Characterization of local isolates of <i>Avibacterium paragallinarum</i> for vaccine production and evaluation (Major Supervisor)	(Atif Masood Khan) (PhD Completed, 2023)
4-	Effect of oral administration of organic acids on the load of antibiotic resistant thermophilic <i>Campylobacter species</i> in commercial broilers (Major Supervisor)	Faiza Ghazanfar (PhD Completed, 2022)
5-	Study on preparation and evaluation of gene deleted <i>Brucella abortus</i> vaccine (Major Supervisor)	Muhammad Ilyas Riaz (PhD Completed 2022)
6-	Prevalence of soil-borne <i>Listeria monocytogenes</i> in selected districts of Punjab province, Pakistan (Major Supervisor)	(Rabia Tahir) (PhD Completed, 2021)
7-	Serological and molecular characterization of soilborne <i>Francisella tularensis</i> in selected districts of Punjab province soil (Major Supervisor)	(Javed Muhammad) (PhD Completed, 2016)
8-	Genotyping of pathogenic <i>E. coli</i> from livestock, poultry, human and water sources (Major Supervisor)	(Fareeha Akhtar) (PhD Completed, 2015)
9-	Molecular Characterization of H9N2 Avian Influenza Virus Isolated from Human and Poultry in Pakistan (Major Supervisor)	(Abdul Ahad) (PhD Completed, 2014)
10-	Characterization of <i>Mycoplasma gallisepticum</i> isolates and their use in the production of indigenous diagnostic antigen and bacterin (Major Supervisor)	(Mushtaq Ahmad) (PhD Completed, 2013)
11-	Metagenomic analysis of respiratory microbiota of poultry (Major Supervisor)	(Muhammad Zubair Shabbir) (PhD Completed, 2013)



12- Comparison of diagnostic approaches for the detection of bovine viral diarrhoea persistency in dairy herds ( <b>Major Supervisor</b> ).	(Arfan Ahmad) (PhD Completed, 2012)
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**MAJOR/ MINOR MEMBER OF SUPERVISORY COMMITTEE OF PhD STUDENTS\***

SR	TITLE OF RESEARCH THESIS	Name of Student
1-	Surveillance of tuberculosis in buffaloes, cattle, and detection of <i>Mycobacterium bovis</i> and <i>Mycobacterium tuberculosis</i> in food of animal origin ( <b>Major Member</b> )	(Muhammad Yasin Tipu) (PhD Completed 2010)
2-	Isolation and Molecular Characterization of Antimicrobial Resistant <i>E. coli</i> from Retail Meats ( <b>Major Member</b> )	(Ali Ahmad) (PhD Completed 2010)
3-	Molecular and Serological Characterization of Avian Influenza viruses in Domestic and Wild Birds ( <b>Major Member</b> )	(Mobeen Sarwar) (PhD Completed 2012)
4-	Factors Affecting Biomass Production of Baby Hamster Kidney Cell Line in Roller Bottle Culture system for the production of FMD Virus ( <b>Major Member</b> )	Qaiser Akram (PhD Completed 2012)
5-	Production and Evaluation of Peste des Petits Ruminants Virus Vaccine <b>Major Member</b>	(Muhammad Anees) (PhD Completed 2013)
6-	Isolation and Characterization of phytase producing Fungi for Poultry feed- <b>Major Member</b>	(Ali Ahmad) (PhD Completed 2016)
7-	Characterization of <i>Mycoplasma synoviae</i> isolates from Pakistan and their use in biologics productions ( <b>Major Member</b> )	(Asfa Rasool) (PhD Completed 2016)
8-	Molecular Characterization of soil borne <i>Brucella species</i> in Punjab Pakistan. <b>Major Member</b>	(Rais Ahmed) (PhD Completed 2018)
9-	Study on serological and molecular characterization of soil borne <i>Burkholderia mallei</i> in equines. <b>Minor Member</b>	(Muhammad Taslim Ghori) (PhD Completed 2018)
10-	Prevalence of <i>Bacillus anthracis</i> in domestic animals of Punjab, Pakistan ( <b>Major Member</b> )	(Haroon Rashid Chaudhry) (PhD Completed 2020)
11-	Toxico-pathological effects of heavy metals from industrial drainage wastewater on vital organs of small ruminants in Lahore ( <b>Major Member</b> )	S. Sharaf (PhD Completed 2021)
12-	Isolation and physiochemical characterization of Brucellaphages ( <b>Major Member</b> )	A.Y. Arafat (PhD Completed 2021)
13-	Efficacy of phage therapy against fowl typhoid and pullorum disease in commercial layers ( <b>Major Member</b> )	Rida Haroon Durrani (PhD Completed 2022)
14-	First Isolation and Genetic Characterization of Bovine Herpesvirus 1 from Cattle in Pakistan ( <b>Major Member</b> )	Hammad-ur Rehman (PhD Thesis submitted)
15-	A cross-sectional study to determine the effect of aflatoxin M1 and other risk factors on children's health and their growth in Lahore ( <b>Minor Member</b> )	Waseela Ashraf (PhD Completed 2022)
16-	Pathobiological investigations on contagious ecthyma virus in sheep and goats in south-west of Punjab province ( <b>Minor Member</b> )	Irtaza Hussain (PhD Completed 2022)
17-	Vaccines for bovine mastitis are safe and efficacious in	Bilal Ahmad Shah

laboratory animals (Minor Member)	(PhD Completed 2022)
18- Post-harvest biocontrol of <i>Salmonella Enteritidis</i> on Chicken breast meat and Shell eggs using multiphage cocktail (Major Member)	Aleena Kokab (PhD Completed 2022)

#### MAJOR ADVISOR/SUPERVISOR OF MPhil / MSc (HONS)\*

##### Research titles of MPhil / MSc (Hons) students Majoring in Microbiology:

1- Study on the evaluation of immune status of layer cockerels against Newcastle disease virus through active immunization.	M. Haroon Iqbal (Completed, 2000)
2- Immune response of chicks to inactivated avian influenza virus H9N2 vaccines and vitamin-E supplementation.	Zahid Munir (Completed, 2001)
3- Prevalence of bovine tuberculosis in cattle and buffaloes.	M. Naveed Akhtar (Completed, 2002)
4- Study on the bacteriological examination of camel ( <i>Camelus dromedarius</i> ) milk with particular reference to public health.	Muhammad Ishaq (Completed, 2003)
5- Passive immunization of haemorrhagic septicaemia in rabbits/bovines	Ali Ahmad (Completed, 2003)
6- Passive immunization of avian influenza disease in poultry	M. Mahmood Mukhtar (Completed, 2003)
7- Isolation and characterization of canine parvovirus	Muzaffar A. Khan (Completed, 2004)
8- Passive immunization against canine parvovirus in dogs	Umar Ahmad (Completed, 2004)
9- Passive immunization against canine distemper virus in dogs	Ali Ahmad (Completed, 2005)
10- <i>In vitro</i> culture characteristics of adherent BHK-21 cell line	Sadeeq-ur-Rehman (Completed, 2005)
11- Development of standard protocols for preparation and evaluation of liver homogenate vaccines against hydropericardium syndrome virus in poultry	Sahidullah (Completed, 2005)
12- Preparation and evaluation of cell culture vaccines against HPS virus in poultry	Jamshid Akhtar (Completed, 2005)
13- Effects of different disinfectants on pathogens in poultry	Asif Abbas Malik (Completed, 2006)
14- Sero-prevalence of bovine brucellosis in district Quetta, Balochistan	Muhammad Shafee (Completed, 2006)
15- PCR based diagnosis of canine parvovirus in dogs	Farhan Towakkal (Completed, 2007)
16- Sero-prevalence of bovine brucellosis in NWFP	Azhar Khan (Completed, 2007)
17- Molecular diagnosis of canine distemper virus	M. Zubair Shabbir (Completed, 2008)
18- Staphylococcal Co-agglutination Test for Rapid detection of foot and mouth disease virus	Baitullah Khan (Completed, 2010)

19- Dynamics of recombinant avian influenza virus H9-HA gene herpes virus of turkey vector vaccine in chicken body & its impact on various blood parameters	Shumaila Rani <b>(Completed, 2010)</b>
20- Comparative efficacy of recombinant avian influenza H9N2 vectored vaccine in poultry	Nadia Mukhtar <b>(Completed, 2010)</b>
21- Prevalence of Multiple Drug Resistant (MDR) Bacteria in Intestinal Infections of Dogs	Iffat Habib <b>(Completed, 2011)</b>
22- Comparative Evaluation of Various Canine Parvovirus Vaccines in Dogs	M. Usman Asghar <b>(Completed, 2011)</b>
23- Detection and Genotyping of bovine viral diarrhea virus prevalent in dairy herds of Punjab, Pakistan	Humayun Gohar <b>(Completed 2011)</b>
24- Production and Purification of yolk immunoglobulins and their therapeutic use in Newcastle disease virus infected broiler chickens	Ammara Akram <b>(Completed, 2011)</b>
25- Uterine microbial flora of Nili Ravi buffalo during oestrous and their relationship with conception rate	Sohail Raza <b>(Completed, 2011)</b>
26- Uterine microbial flora of Sahiwal cattle during oestrous and their relationship with conception rate	Habib-ur-Rehman <b>(Completed, 2011)</b>
27- In process quality control factors affecting sensitivity of rapid serum agglutination antigen of <i>Mycoplasma gallisepticum</i>	Khurram Khalid <b>(Completed 2012)</b>
28- Molecular identification of soil borne <i>Bacillus anthracis</i> from districts Lahore and Sheikhpura	Tariq Jamil <b>(Completed 2013)</b>
29- Comparative analysis of respiratory microbiota from clinically healthy and diseased broiler breeders	Husnain Ahmed <b>(Completed 2014)</b>
30- Study on microbiological quality of water supplied to poultry birds from tube wells water pumps drilled up to varying bore depth levels	Sidra Moqaddes <b>(Completed 2014)</b>
31- Correlation of different management systems and facilities of retail milk shops with that of microbial load in raw and pasteurized milk	Faria Kanwal <b>(Completed 2014)</b>
32- Bacterial growth inhibition based detection of beta-lactam antibiotic residues in milk	Sana Moin <b>(Completed 2014)</b>
33- Comparative study on prevalence and antimicrobial susceptibility pattern of extended spectrum B-lactamase producing <i>Escherichia coli</i> from veterinary and human isolates	Karam Rasool <b>(Completed 2014)</b>
34- Impact analysis of quality control practices in selected microbiology based veterinary diagnostic labs operational in district Lahore.	Faiza Marrium <b>(Completed 2014)</b>
35- Impact analysis of quality control practices in selected microbiology based medical diagnostic labs operational in district Lahore.	Tahira Naz Saif <b>(Completed 2015)</b>
36- Effect of <i>Lactobacillus bulgaricus</i> on cutaneous wound healing in mice.	Sonia Akram <b>(Completed 2016)</b>
37- Optimization of multiplex pCR for simultaneous detection of Bacterial and viral water borne pathogens	Faiza Naz <b>(Completed 2016)</b>
38- Prevalence and distribution of soil-borne <i>Escherichia coli</i> O157:H7 in district Lahore of Punjab Province Pakistan	Hiba Tabassum <b>(Completed 2017)</b>

39- Study on microbial analysis and quality control of milk samples collected from all ten towns of Lahore district.	Muhammad Ilyas Riaz <b>(Completed 2017)</b>
40- Sero-surveillance of avian influenza (H9 subtype) antibodies in pigeons backyard and commercial poultry of district Loralai Balochistan	Abdul Kareem <b>(Completed 2018)</b>
41- Sero-prevalence of bovine viral diarrhoea virus and associated risk factors in dairy herds of Khyber Pakhtunkhwa province.	Inam Ullah <b>(Completed 2018)</b>
42- Evaluation of antiviral and antibacterial activities of herbal extracts	Iqra Nazir <b>(Completed 2019)</b>
43- Evaluation of microbial quality and antibiotics in poultry meat and feed	Suleman Irfan <b>(Completed 2019)</b>
44- Evaluation of safety and microbiological quality of commercial ice cream products prepared with or without using any food quality standards and sold in local market	Asia Muqaddas <b>(Completed 2020)</b>
45- Sero-Prevalence of Bovine Herpes Virus 1 (BoHV-1) in bovines of densely populated districts of five agro ecological zones of Punjab province	Aqsa Batool <b>(Completed 2020)</b>
46- Protective efficacy of commercially available viral vaccine of Infectious Bovine Rhinotracheitis (IBR) and challenge study using local isolates of BoHV-1	Hafiza Ifrah Aziz <b>(Completed 2020)</b>
47- Development of inactivated adjuvanted bovine herpesvirus 1 vaccine and its potency evaluation in rabbits	Muhammad Shahbaz <b>(Completed 2022)?</b>
48- Study on the development of LAMP technique for quick detection of bovine herpesvirus 1	Hafiza Fatima <b>(Completed 2022)</b>
49- Microbial quality assessment of further processed poultry meat brands available in local market	Maryum Tariq <b>(Completed 2023)</b>
50- Microbial quality assessment of commercially available processed poultry meat brands	Mehreen Abid <b>(Completed 2023)</b>

\*As member of supervisory produced over 30 MPhil students in the field of Pharmacology, Pathology, Nutrition and Medicine.

## DEVELOPMENTAL / RESEARCH ACTIVITIES/ADVISORY CONSULTANCY SERVICES

### RESEARCH PROJECTS COMPLETED:

Sr#	Title of Project	Mission Type	Position	Dates
1.	Development of ELISA kit against FMDV	Commission on Biotechnology, Islamabad	Co-Principal Investigator	2004-2008
2.	Standardization of protocol for preparation of HPS vaccine and hyper-immune yolk	Ministry of Health (MoH), Islamabad	Co-Principal Investigator	2008
3.	Rapid diagnosis and immunoprophylaxis of acute viral diseases of dogs.	Higher Education Commission (HEC)	Principal Investigator	2004-2007

### APPROVED / COMPLETED/ SUBMITTED RESEARCH PROJECTS

Sr.	Title of the Research	Principal	Co-Principal	Estimated cost	Funding	Current
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No.	Project	Investigator	Investigator		Agency	Status
4.	Characterization of <i>Mycoplasma gallisepticum</i> isolates from Pakistan and their use in production of biologics.	<b>Prof. Dr. Masood Rabbani</b> Prof. Dr. Mazhar I. Khan (US Side)	Prof. Dr. Khushi Muhammad (Pakistan Side)	\$ 2,25,440/-	BEP, USA under PAK-US S&T Coop. Program	<b>Completed</b>
5.	A metagenomic approach to unbiased identification of pathogens endemic to Pakistan	<b>Dr. Masood Rabbani</b> Eric Thomas Harvill (US Side)	Walter Mcvey, B. Jayarao, (US Side) M. Z. Shabbir	<b>Total: \$5,90,000/-</b> Pakistani share	PennState University, USA	<b>Completed</b>
6.	Spatial Ecology and Epidemiology of Soil borne Human and Animal Bacterial Pathogens and its Public Health Significance in Pakistan	<b>Dr. Masood Rabbani</b> Bhushan Jayarao (US Side)	Eric T Harvill, W. Mcvey (US Side) M. Z. Shabbir	<b>Total=\$5,19,854/-</b>	PennState University, USA	<b>Completed</b>
7.	Antibody response of zoo birds to thermostable Newcastle disease virus (strain I-2) vaccine	Dr. Faisal Siddique	<b>Prof. Dr. Masood Rabbani</b>	Rs. 3,95,000/-	HEC, Islamabad	<b>Completed</b>
8.	Molecular characterization of bovine pestivirus isolated from dairy animals of Pakistan and their use in diagnostic, biosecurity and biological development for disease control in Pakistani herds	Dr. Arfan Ahmad	<b>Prof. Dr. Masood Rabbani</b>	Rs 6.229 Million	HEC, Islamabad	<b>Completed</b>
9.	Preparation of live genetically engineered avirulent vaccinal strains derived from local highly pathogenic isolates of <i>P. multocida</i> B:2 using gene deletion method and evaluation of the vaccine by inoculation in mice and calves	Dr. Aamir Ghafoor	<b>Prof. Dr. Masood Rabbani</b>	Rs 6.714 Million	HEC, Islamabad	<b>Approved &amp; Ongoing</b>
10.	Construction of glycoprotein E deleted bovine herpes virus 1 using bacterial artificial chromosome (BAC) recombineering	Dr. Sohail Raza	<b>Prof. Dr. Masood Rabbani</b>	Rs.0.5 Million	HEC, Islamabad	<b>Completed</b>
11.	Biocontrol of <i>Brucella abortus</i> using Brucellaphages	Dr. Ali Ahmad Sheikh	<b>Prof. Dr. Masood Rabbani</b>	Rs. 3.544 Million	HEC, Islamabad	<b>Approved &amp; Ongoing</b>
12.	Isolation and characterization of bovine herpes virus 1 (BoHV-1) isolates from Pakistan and their use in production of gene deleted marker vaccine	<b>Prof. Dr. Masood Rabbani</b>	Dr. Ali Ahmad Sheikh	Rs. 11.56 Million	HEC, Islamabad	<b>Approved &amp; Ongoing</b>
13.	Characterization, development and evaluation of indigenous probiotics targeting control and mitigation of salmonella in poultry and human	Dr. Muhammad Nawaz	<b>Prof. Dr. Masood Rabbani</b>	Rs. 06.13 Million	HEC, Islamabad	<b>Approved &amp; Ongoing</b>
14.	Production and evaluation of recombinant Foot and Mouth disease virus like particles (VLPs)	Dr. Sohail Raza	<b>Prof. Dr. Masood Rabbani</b>	Rs. 9.930543 Million	HEC, Islamabad	<b>Approved &amp; Ongoing</b>

**DEVELOPMENTAL PROJECTS APPROVED & COMPLETED:**

Sr.	Title of Project	Mission Type	Position	Dates
15.	Strengthening of Facilities at University Diagnostic Lab and Establishment of Animal House at University of Veterinary and Animal Sciences, Lahore. Rs. 38,108000/- (38.108 Million; Completed with Good Rating by HEC)	HEC, Islamabad	Project completed	2004-09
			<b>Total Funds brought to UVAS (Research+ Dev.):</b>	<b>270.320 Million</b>

**TRAININGS (FOREIGN / LOCAL) / COURSES / CERTIFICATES / WORKSHOPS:****INTERNATIONAL:**

COURSE / DIPLOMA / CERTIFICATION / MEETING	FIELD OF STUDY	DURATION	INSTITUTION
Enhancing Molecular Biology Techniques and Cybersecurity	Molecular Biology & Cybersecurity	Feb. 21-27, 2023	Sandia National Laboratories, New Mexico, USA and JUST, Jordan
Enhancing Molecular Biology, Epidemiology & Sequencing	Molecular Biology	14 Monthly Virtual Series Sessions Oct 2021-Nov. 2022	Sandia National Laboratories, New Mexico, USA and JUST, Jordan
BC- HEC Capacity Building Course for Researchers	Best Practices of Income Generation for Research Sustainability	July 26-29, 2022	British Council- Univ. of Coventry, UK and HEC, Islamabad
Importance of Water for Pakistan	Water Conservation & Climate Change	September 29, 2022	University of Veterinary and Animal Sciences, Lahore, at Amphitheater Pasha Block
Implementation of Animal Birth Control (Dog) Policy 2021	Animal Welfare	September 27, 2022	Additional Chief Secretary Punjab, Secretary L&DD, P&SHC, LG&CD, SPCA, UVAS, Commissionerate office, at Civil Secretariat, Lahore
Role of Veterinary Education Establishment in helping Livestock during Natural Calamities like Flood	Disaster Management	September 21, 2022	Higher Education Commission, Islamabad, UVAS, UoE, Lahore, PVMC, and all VEE of Pakistan
Role of NGOs in Animal Welfare and Implementation of TNVR	Animal Welfare	September 21, 2022	SPCA, L&DD Dept., Punjab and Animal Welfare Organizations working in Punjab province, at Meeting Room, Civil Secretariat, Lahore
Role of Religions in Promoting Animal Welfare	Animal Welfare	August 18, 2022	SPCA, Punjab, UVAS, Lahore, and Brook- Pakistan, at Falette's Hotel, Lahore
Role of Livestock in achieving SDG agenda in Pakistani context	UN- Sustainable Development Goals	August 11, 2022	Brooke- Pakistan & Centre for Research on SDGs, Institute of Social and Cultural Studies, The Punjab University, Lahore
OIE Legislative Mission on Drafting Pakistan Animal Health Act 2022 for M/o National Food Security & Research, Islamabad	Veterinary Legislation	Over a dozen virtual sessions, June-August, 2022	World Organization for Animal Health (OIE), Paris, France

Virtual workshop cum Panel Discussion on “Outcome Based Veterinary Education as per OIE and International Accreditation” in SAARC Countries	Veterinary Education	May 29, 2022	Indian Veterinary Association, India (virtually participated through Zoom)
Federation of Veterinary Associations of SAARC Countries (FVASC)	Veterinary Workforce Development	June 18, 2022	SAARC Regional Veterinary Association, <b>Nepal</b> Virtually participated through Zoom
Advocacy Discussion workshop on inclusion of AMR/ AMU in Veterinary Curriculum by PVMC	Veterinary Education	May 20, 2022	Organized by DAI- Fleming Fund, UK-AID, HSP and M/o NFS&R at Islamabad
OIE Sub-Regional Virtual Workshop for VEEs and VSBs in South Asia and Iran	-do-	April 19-20, 2022	OIE, Asia Pacific, <b>Tokyo</b>
Capacity Building of Veterinary Paraprofessionals	Veterinary Statutory Bodies	4 Days	OIE, FAO of United Nations (online), Paris, <b>France</b>
Livestock & Livestock Products Imports from Belt and Road Initiative (BRI) Countries	Import& Export Regulations	May 12 to June 1, 2021 (3 Weeks)	Ministry of People’s Republic of <b>China</b> (online)
Regional Training Workshop for PPP in Veterinary Domain for South Asia	Public Private Partnership in Veterinary Domain	October 17-18, 2019	Organized by OIE, Paris, France (FAO of United Nations), at <b>Kathmandu, Nepal</b>
Public Private Partnership in Veterinary Domain	Public Private Partnership	October 02, 2019	Online Course by OIE, Paris, France <b>(http://eLearning-ppp.oie.int)</b>
Institutionalizing Molecular Biology	Molecular Biology	Sep. 23-26, 2019	Sandia Lab, USA at JUST, <b>Irbid, Jordan</b>
BRM Curricula Workshop	Biorisk Management	April 28 to May 1, 2019	Sandia Lab, USA at <b>Dubai, UAE</b>
□ One Health Training Workshop	Mapping of DVM Curricula for One Health	32 Contact Hours July 22-27, 2018	The Center for Agriculture, Food Security and Preparedness, CVM, <b>The University of Tennessee, Tennessee, USA in Bali, Indonesia</b>
1) Chair, Dept. of Pathology on behalf of Vice Rector 2) Director International Relations, University of Veterinary Medicine, Budapest, Hungary 3) Pakistani Ambassador at Hungary	Faculty Development in Veterinary Clinical Competencies & Pathobiology	June 25-27, 2018	University of Veterinary Medicine, <b>Budapest, Hungary</b>
□ International Seminar on “The Present and Future of Strategic Export Controls	Strategic Export Controls	May 09-10, 2018	Ministry of Foreign Affairs, Govt. of Pakistan, Islamabad
□ Research Methods and Role of Molecular Biology	Biosafe Procedures in Research	April 29 to May 2, 2018	Sandia Labs, USA and Jordan University of Science and Technology, <b>Amman, Jordan</b>
Meeting with 1) Veterinary Council of Thailand 2) Dean Faculty of Veterinary Medicine, Kesesart University, Bangkok, Thailand 3) Dean Faculty of Veterinary Medicine Chulalongkorn University, Bangkok	Faculty Development in Veterinary Clinical Competencies	Mar 10-14, 2018	1) Veterinary Council of Thailand 2) Dean Faculty of Veterinary Medicine, <b>Kesesart University, Bangkok, Thailand</b> 3) Dean Faculty of Veterinary Medicine, <b>Chulalongkorn Univ., Bangkok, Thailand</b>
Workshop on Biorisk Management Curriculum Development for Veterinary	Biosafety & Biosecurity	Sept 5-7, 2017	Sandia Lab, USA organized at <b>Colombo, Sri Lanka</b>

Graduate Education			
Conference on Microbiology	Microbiology for Health	Nov. 20-24, 2017	University of Auckland, <b>Auckland, New Zealand</b>
Improvement of Veterinary Education	Veterinary Education	Sept. 18-26, 2017	Association of American Veterinary Medical Colleges (AAVMC), <b>Washington DC, USA</b>
Institutional Biosafety Committees Workshop	IBC for Biosafety	July 26-27, 2017	Fogarty International, <b>NIH, USA &amp; PBSA</b> at PC Hotel, Lahore
Workshop on Applying the Principals of High Reliability Organizations to Biological Facilities	HRO for Bio-Facilities	Feb. 5-9, 2017	Fogarty International, <b>NIH, USA &amp; PBSA</b> at Ramada Hotel, Islamabad
Workshop on Preparing Biological Laboratories for Certification in Biorisk Management	Switching Biorisk Management to an ISO Standard	July 17-19, 2016	Fogarty International, <b>NIH, USA, PBSA</b> and FC College
Pre- Conference Approved & Credit Courses on: 1) Engineering for Biosafety Professional-Part I 2) BSL-3 Design Commissioning Basics 3) BSL-3 Operations and Management	Biosafety and Biosecurity	Oct. 7-15, 2015	American Biological Safety Association 57 th Annual Conference, <b>Providence, Rhode Island, USA</b>
Molecular Biological Technique in Animal Disease Surveillance and Diagnostics Course	Disease Surveillance and Diagnostics	Sept. 14-21, 2015	Guangxi Veterinary Research Institute, Nanning, <b>Guangxi, People's Republic of China</b>
The International Diagnostic Laboratory Network Workshop	Diagnostics	July 23- 28, 2012	USDA National Veterinary Services Laboratory, Ames, <b>Iowa, USA</b>
Workshop on Quality Management System	Quality Management System	July 29- Aug 01, 2012	USDA National Veterinary Services Laboratory, Ames, <b>Iowa, USA</b>
Training on Disease Diagnostics and Future Collaboration	Disease Diagnostics and Future Collaboration	Aug 02-Aug 04, 2012	University of Loyola, <b>Chicago, USA</b>
Training on disease diagnostics and future collaboration	Disease Diagnostics	Aug 6-17, 2012	University of Kentucky, <b>Lexington, Kentucky, USA</b>
Review of ongoing two research projects	Review Meetings on Research Projects	Aug 18-31, 2012	University Of Penn State, Animal Diagnostic Lab, <b>State College, USA</b>
"Differential diagnosis for highly pathogenic avian influenza and secondary complicate infections"	Lab Tools for Avian Influenza Diagnosis	19-24 April, 2010	Attended The Meeting <b>As Resource Person</b> , Organized By FAO of United Nations, BI National (Afghanistan-Pakistan) at <b>ISTANBUL, TURKEY"</b>
Laboratory animal facility management (completed fellowship in comparative medicine)	Lab Animal Management/ Comparative Medicine	2 Months July, Aug., 2008	Division of Lab Animal Medicine (DLAM), David Geffen School of Medicine, <b>UCLA, USA</b>
Atomic absorption spectrophotometry	General Lab Techniques	1 Day June, 1997	Hitachi of Japan Through JICA
Electron microscopy	General Lab Techniques	2 Months 1990	UNDP, Univ. of Giesen, <b>Germany &amp; QAU</b>
Biochemical Engineering and Fermenter Applications	General Techniques	One Day	Organized Jointly by Institute of Biochemistry & Biotechnology PU,



		Aug. 19, 2006	and Bioengineering, Switzerland
CEN Workshop on CWA 15793:2008 Laboratory Biorisk Management Standard	Biosafety & Biosecurity	3 Days Feb, 24-26, 2010	US Department of State Biosecurity Engagement Program, Brussels, Belgium
Biosafety and biosecurity awareness training program	Biosafety & Biosecurity	Jan., 12-14, 2010	US Department of State Biosecurity Engagement Program, Dubai
Biosafety & Biosecurity Initiatives	Biosafety & Biosecurity	2 DAYS JUNE18-19, 2007	US Department of State & NARC, Islamabad, Marriot Hotel, Islamabad
Annual Science Review	Research Projects on Select Pathogenic Agents	6 DAYS MARCH 14-19, 2011	US- DTRA at Garmisch, <b>Germany</b>
PAK- US Science & Technology	Research Project	4 DAYS MARCH 21-24, 2011	The National Academies, USAID, at Dubai, <b>UAE</b>
Advanced Molecular Diagnostics Of Avian Mycoplasmosis	Mg Research Project	59 DAYS MAY 8- JULY 6, 2011	Avian Research & Connecticut Veterinary Medical Diagnostic Labs, Dept. of Pathobiology, Univ of Connecticut, Storrs, CA, <b>USA</b>
Geospatial mapping and its role in impact study of soil and foodborne human and animal bacterial pathogens	DTRA Funded Research Project	34 DAYS JULY 7- AUG 9, 2011	Penn State University, State College, PA, <b>USA</b>
RT PCR, PCR DGGE and Other Molecular Techniques for Characterization Of Bacterial Pathogens	DTRA Funded Research Project	28 DAYS AUG 10- SEPT 6, 2011	Animal Diagnostic Lab, Penn State University, State College, PA, <b>USA</b>
Review of Two Ongoing Research Project	DTRA Funded Research Project	June 9-10, 2014	Fundamental Research Annual Review Meeting At TASC Crown Centre Facility, Lorton, Virginia, <b>USA</b>
<b>ENVIRONMENTAL HEALTH &amp; SAFETY; BARRIER TRAININGS:</b>			
Biomedical and genetics research	Biosafety & Biosecurity	3 DAYS 2008	University of California, <b>Los Angeles, California, USA</b>
Barrier facility access training			
Bloodborne pathogen standard training			
Working with mice in res. Setting			
Bruin safety program			
Fire safety program			
Earthquake safety program			
Chemical fume hood			
Fire diamond program			
Cryogenic nitrogen safety program			
Safe lifting / back injury prevention			
Hazard communication program			

Isolation and molecular characterization of avian influenza virus	Molecular Biology	2 WEEKS JUNE, 2008	SEPRL University of Georgia, Athens, Georgia, USA
OIE training on veterinary biologics”	Molecular Biology/ Vaccinology	2 WEEKS MAY, 2008	USDA & IICAB, Iowa State University, Ames, Iowa, USA
Application of molecular biological res.	Molecular Biology	2 DAYS OCTOBER, 1997	Jointly Organized By CEMB, and John Hopkin Univ., USA
Genomics and computational analysis	Molecular Biology	1 DAYS OCTOBER, 1997	Jointly Organized By CEMB, and John Hopkin Univ., USA

**IMPACT CREATED THROUGH: COLLABORATIONS / MOUs / RESOLVING PROBLEMS / PROJECT / ETC:**

- \* As Convener Helped / developed first draft of **National Animal Health Bill 2021** (asked by Planning Commission of Pakistan, Islamabad)
- \* As Convener Helped / developed draft of **Punjab Poultry Improvement Act and Regulations 2016 & 2017** (Now Promulgated)
- \* As Convener Helped / developed draft of **Punjab Animal Health Act 2019** (Now Promulgated)
- \* As Convener Helped / developed draft of **PVMC Regulations (2015)**
- \* Helped Hon. Supreme Court of Pakistan as Focal Person from UVAS, on *Suo Moto* action taken for Improvement of quality of food items for human use (Stopping use of rBST hormone in milch animals, use of hazardous adulterants for increasing shelf life of milk, use of antibiotics in poultry feed as growth promoters, etc. In this way quality issues of major food items of animal origin, were resolved, satisfactorily. **Got Order of Appreciation by Chief Justice Supreme Court of Pakistan.**
- \* As Dean Faculty of Veterinary Science, **helped/ getting Affiliate Membership of Association of American Veterinary Medical Colleges** for University of Veterinary and Animal Sciences, Lahore.
- \* Initiated **Diagnostic Information Management System** for Computerized Processing of Results for 40 Species Samples
- \* **University Diagnostic Lab has been internationally accredited to ILAC through ISO 17025 Certification by PNAC.** No other disease diagnostic lab in Pakistan has got such accreditation
- \* **Implemented quality standards** in R&D, and teaching at Under- & PG Levels
- \* Recommendation formulated on Animal Health for **“Role of Livestock in Poverty Reduction”** by UVAS as requested by L&DD Department Punjab for development of Futuristic Vision of Livestock Sector, on May 26, 2005.
- \* Recommendation formulated for rations of animals and for **developing standards for culling of Friesian outlived animals** maintained at dairy farms of RV&FC, Pakistan.

**Member/ Convener of Senior Bodies/ Boards/ etc:**

Member Finance and Planning Committee, UVAS, Lahore
Member, Endowment Fund, UVAS, Lahore
Member Syndicate, UVAS, Lahore
Member Academic Council, UVAS, Lahore
Member Academic Council, MNS University of Agriculture, Multan
Member Academic Council, Cholistan UVAS, Bahawalpur

Member, ORIC Steering Committee, UVAS, Lahore
Convener of Draft Committee for Punjab Poultry Production Act 2016 and Regulations 2017
Convener of Draft Committee for Punjab Animal Health Act 2018
Convener, Institutional Biosafety Committee, UVAS, Lahore
Convener, Dean's Committee, UVAS, Lahore
Convener, Affiliation Committee, UVAS, Lahore
Convener, Migration Committee, UVAS, Lahore
Convener, Eligibility Committee for Faculty Hiring, UVAS, Lahore
Convener, ORIC Research Incentive Committee, UVAS, Lahore
Convener, Prime Minister Citizen Portal Steering Committee for UVAS, Lahore
Got Affiliate Membership of Association of American Veterinary Medical Colleges (AAVMC)
Got Oversight from OIE for Twinning Program with University of Melbourne, Australia

### Membership of Learned Societies/ Councils/ Boards:

<b>Council Member, Pakistan Veterinary Medical Council, Federal Ministry of Interprovincial Coordination, Islamabad</b>
<b>Honorary Secretary/ CEO, Society for Prevention of Cruelty to Animals, Punjab</b>
<b>Member Executive Council (South Asia), Asian Association of Veterinary Schools (AAVS), Japan</b>
<b>Member &amp; Convener One Health, World Poultry Science Association, Pakistan Chapter</b>
<b>Past Convener, National Curricula Revision Committee, PVMC, Islamabad</b>
<b>Member Executive Council, Pakistan Biological Safety Association, Islamabad</b>
<b>Past Convener, Accreditation and Equivalence Committee, PVMC, Islamabad</b>
<b>Member Syndicate, UVAS, Lahore</b>
<b>Member, National Oversight Committee on Indigenous Production of Vaccines, Federal Ministry of National Health Services and Regulations, Islamabad</b>
<b>Member, National Committee for harmonizing legislation of FMD control. Planning Commission of Pakistan, Islamabad</b>

### Summary of Teaching / Research, Service Experience and Publications:

Sr.#	Factors	Number only
1.	<b>Total Impact Factor</b>	Over 200
2.	<b>Field of Specialization:</b>	Veterinary Microbiology
3.	<b>Publications: (HEC Approved)</b>	
i.	International Research Papers (Foreign)	44

a)	with impact factor	38
b)	without impact factor	6
ii.	National Research Papers	125
a)	with impact factor	110
b)	without impact factor	15
iii.	Research Reports	10
iv.	Conference presentations	24
v.	Other publications	50
4.	<b>Students Supervised:</b>	113
i.	PhD students supervised	10+2
ii.	MPhil students supervised	50
iii.	Membership Supervisory Com.	78
a)	PhD	18
b)	MPhil	60
5.	<b>Research Projects Won as P.I. and Value</b>	<b>05 (Rs.150.00 Million)</b>
i.	From International Agencies	03 (Rs.138.5 Million)
ii.	From Local / Indigenous Agencies	02 (Rs.11.560.00 Million)
6.	<b>Books Published</b>	<b>11</b>
i.	Books International Publisher	03
ii.	Book National Publisher	04
iv.	Monograph	04
8.	<b>Research and Policy Documents</b>	<b>05</b>
9.	Professional Services rendered for:	
i.	Establishing new organization: (Duration and Value)	4 Years (Rs.100.00 Million) Genomic Extraction and Molecular Biology Labs
ii.	Establishing restructuring existing organization: (Duration and Value)	4 Years (Rs. 38.108 Million) University Diagnostic Lab
10.	Membership of Learned Societies	10
11.	Formal Trainings	Over 50 (1000 Hrs.)
12.	<b>Research award/ National /international award</b>	<b>04</b>
13.	<b>Innovative Idea/ Product: (Over 5 New Genetic Sequence of Microbes submitted to NCBI, USA</b>	<b>05</b>

**FIELD OF WORK / RESEARCH:**

**Special Interest in Food Safety, One Health, Biosafety, and Implementation of ISO Standards**

**PERIOD OF SERVICE: 37 YEARS**

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