

Curriculum Vitae

AAMIR GHAFOOR

Professor / Director
University Diagnostic Lab,
Director Quality Operations Labs
University of Veterinary and Animal Sciences, Lahore,
Pakistan (UVAS)
<http://www.uvas.edu.pk/facility/u-d-l/index.htm>



Contact details

Email: aamir.ghafoor@uvas.edu.pk
Cell No. +92-333-4299619
Office: +92-42-99211374 Ext 286

PERSONAL INFORMATION

Date of Birth: April 23, 1976 **Place of Birth:** Narowal (Pakistan)
Nationality: Pakistani
Gender: Male
Marital Status: Married

QUALIFICATION

Ph. D.
Institution: Massey University, New Zealand
Area of Specialization: Molecular Microbiology **Graduation Year:** 2013
Dissertation: *The role of extracellular polymeric substances in Pseudomonas aeruginosa biofilm architecture*

M.Sc. (Hons.)
Institution: University of Veterinary and Animal Sciences, Lahore, Pakistan
Major: Microbiology
Graduation Year: 2005
Thesis: *Effects of various Chemicals on the sensitization of infectious bronchitis virus for hemagglutination activity*

DVM (Doctor of Veterinary Medicine)
Institution: College of Veterinary Sciences Lahore, University of Agriculture Faisalabad, Punjab, Pakistan
Major: Veterinary Medicine
Graduation Year: 2000

JOB EXPERIENCE

Position	From	To	Institution	Job specification
Lecturer on contract	August 28, 2001	April 22, 2004	College of Veterinary Sciences (upgraded to University of Veterinary and Animal Science) Lahore	Diagnostic tests , including Fluorescent Antibody tests Enzyme Linked Immunosorbent Assay PCR Teaching Microbiology to undergrads
Lecturer	April , 2004	April 2007	Department of Microbiology , University of Veterinary and Animal Science	Teaching Microbiology including undergrad bacteriology and virology labs
Assistant Professor Microbiology	April , 2007	January 29, 2015	University Diagnostic Lab , University of Veterinary and Animal Science	Diagnostic tests , including Bacteriology, Fluorescent Antibody test Enzyme Linked Immunosorbant Assay PCR, qPCR, Teaching Microbiology to undergrads and postgrads
Lab Demonstrator and Lab In-charge	February, 2009	February, 2013	Institute of fundamental Sciences , Massey University New Zealand	Teaching and lab demonstrations to undergrads (6 hours weekly during PhD)
Associate Professor Microbiology	January 29, 2015	December 30, 2018	University Diagnostic Lab , University of Veterinary and Animal Science	Diagnostic tests , including Bacteriology, Fluorescent Antibody test Enzyme Linked Immunosorbant Assay PCR, qPCR, Serology Teaching Microbiology to undergrads and postgrads Supervision of postgrad students Administrative duties Team leader in national disease diagnostic projects

Professor Microbiology	December 30, 2018	To date	University Diagnostic Lab, University of Veterinary and Animal Science	Diagnostic tests, including Bacteriology, Molecular Biology, Serology of veterinary samples Teaching Microbiology to undergrads and postgrads Supervision of postgraduate student's administrative duties Team leader in national disease diagnostic projects Heading a Research group
Director UDL	January 8, 2016	2022	University Diagnostic Lab, University of Veterinary and Animal Science	Administration including funds management

CONSULTANCY SERVICES:

Assignment title	Employer's name, public address and telephone	Dates of Assignment (M/D/Y)	
		From	To
Farm visit for disease investigation	CHOONG ANG VACCINE LABORATORIES CO., LTD (CAVAC)1476 37 YUSEONG-DAERO, YUSEONG-GU, DAEJEON, 34055, REPUBLIC OF KOREA	08/01/2022	08/01/2022
Lectures on poultry diseases	CHOONG ANG VACCINE LABORATORIES CO., LTD (CAVAC)1476 37 YUSEONG-DAERO, YUSEONG-GU, DAEJEON, 34055, REPUBLIC OF KOREA	10/21/2021	11/17/2021
Resource person for the conduction of animal disease surveillance and response training	ASSOCIATION OF BIORISK MANAGEMENT HOUSE NO.6 STREET NO. 2 RAHATABAD PESHAWAR	06/15/2022	06/16/2022

SELECTED PUBLICATIONS:

Topic of the Papers	Name of the Journal	IF
Sattar, S., Ullah, I., Khanum, S., Bailie, M., Shamsi, B., Ahmed, I., Shah, T.A., Javed, S., Ghafoor, A. , Pervaiz, A. and Sohail, F., 2022. Genome Analysis and Therapeutic Evaluation of a Novel Lytic Bacteriophage of Salmonella Typhimurium: Suggestive of a New Genus in the Subfamily Vequintavirinae. <i>Viruses</i> , 14(2), p.241.	Viruses	5.04
Javed, Humera, Sidrah Saleem, Aizza Zafar, Aamir Ghafoor , Ahmad Bin Shahzad, Hasan Ejaz, Kashaf Junaid, and Shah Jahan. "Emergence of plasmid-	Gut pathogens	4.18

mediated mcr genes from Gram-negative bacteria at the human-animal interface." <i>Gut Pathogens</i> 12, no. 1 (2020): 1-9.		
Ghafoor A , Jordens Z, Rehm BH. The role of PelF in Pel polysaccharide biosynthesis in <i>Pseudomonas aeruginosa</i> . <i>Applied and environmental microbiology</i> . 2013 Feb 22: AEM-03666.	Applied and environmental microbiology	4.62
Ghafoor A , Hay ID, Rehm BH. The role of exopolysaccharides in <i>Pseudomonas aeruginosa</i> biofilm formation and architecture. <i>Applied and environmental microbiology</i> . 2011 Jun 10: AEM-00637.	Applied and environmental microbiology	4.97
Muzaffar Ali, tahir Yaqub, Nadia Mukhtar, Muhammad Imran, Aamir Ghafoor , Muhammad Furqan Shahid, Muhammad Naeem, Munir Iqbal, Gavin J. D. Smith, Yovonne C.F. Su. Avian Influenza A/H9N2 Virus in poultry worker, Pakistan, 2015" accepted in <i>Emerging Infectious diseases</i> "	Emerging Infectious disease	7.422
Ghafoor, A. , Naseem, S., Younus, M., & Nazir, J. (2005). Immunomodulatory effects of multistrain probiotics (Protexin™) on broiler chicken vaccinated against avian influenza virus (H9). <i>International Journal of Poultry Science</i> , 4(10), 777-780.	<i>International Journal of Poultry Science</i>	0.3
Ghazanfar, F., Rabbani, M., Ghafoor, A. , & Mushtaq, M. H. (2022). Evaluation of Antimicrobial Activity of Organic Acids against <i>Campylobacter jejuni</i> in Broilers. <i>Pakistan Journal of Zoology</i> , 54(6), 2851.	Pakistan Journal of Zoology	0.687
Ghazanfar, F., Rabbani, M., Ghafoor, A. , & Mushtaq, M. H. (2023). Prevalence and Antibiotic Susceptibility of Thermophilic <i>Campylobacter jejuni</i> from Commercial Broiler Farms in and Around Lahore.	Pakistan Journal of Zoology	0.687
Hay, I. D., Ur Rehman, Z., Ghafoor, A. , & Rehm, B. H. (2010). Bacterial biosynthesis of alginates. <i>Journal of Chemical Technology & Biotechnology</i> , 85(6), 752-759.	Journal of Chemical Technology & Biotechnology	3.4

TRAINING COURSES

Training course on Halal Forensic Science Laboratory held from June 21 to June 27, 2018, organized by The Halal Science Center Chulalongkorn University, Thailand
Training course on Intro DNA sequencing and Fragment analysis training at our Middle East Customer Experience center organized by Thermo Scientific held on 7 th to 9 th May 2018.
Training on Applying the principles of High-reliability Organization to biological facilities organized by Pakistan Biological Safety Association and NIH Fogarty held February 5-9, 2017 at Ramada Hotel, Islamabad
Training on The International Transboundary Animal Disease Course organized by the United States Department of Agriculture held on 5-15 April 2016 at the National Veterinary Services Laboratory, Ames, Iowa
Training for the handling/offering for the transport of dangerous goods organized by SAF-T-PAK held on 31 March 2015
Training on 21 st Master Trainers-Faculty Professional Development Program organized by the Higher Education Commission held on October 29- December 27, 2013 at HEC Islamabad
National Training Course on Application of Biotechnology for Livestock and Poultry Development organized by UVAS Lahore and NIBGE Faisalabad held on November 28-December 2, 2005

Training on Staff Development Course organized by National Academy of Higher Education held on June 9th – July 6th, 2005 at University of the Punjab, Lahore

WORKSHOPS & CONFERENCES

PARTICIPATION AS RESOURCE PERSON/SPEAKER/ORGANIZER

Participated as speaker in Poultry Science Conference 2018 held from 27th September 2018 to 29th September 2018 organized by Pakistan Poultry Association (PPA).

Participated as a speaker in Promote Safe and Secure Science held on 5th-9th February 2018 in Kuala Lumpur Malaysia

Participated in Institutional Biosafety Committees Workshop Organized by PBSA held on July 26-27, 2017 at Pear; Continental Hotel Lahore

Participated as resource person in two day workshop entitled “Isolation and uses of Macrophages in Research” held on 4th – 5th May 2017 Organized by the Department of Pharmacology and Toxicology, UVAS Lahore

Participated as resource person in one day workshop entitled “Practical Aspects of Poultry Health Management” held on February 04, 2015 Organized University Diagnostic Lab (UDL), UVAS Lahore

Participated as resource person in one week workshop entitled “Basic Laboratory Techniques” held on August 03-07, 2015 Organized by the Department of University Diagnostic Lab (UDL), UVAS Lahore

Participated as resource person in two day workshop entitled “Biosafety and Biosecurity” held on August 18th – 19th, 2015 Organized by Zoological Society, LCWU, Lahore

Participated as Facilitator in national workshops on Controlling Biorisk in Lab held on May 11th – 13th, 2015 Organized by the Department of Microbiology, UVAS Lahore and Bacteriology Department, Institute of Public Health, Lahore

Participated as resource person in International workshop entitled “Master Trainer Program for Laboratory Biosafety and Risk Management” held on 07th – 11th September 2015 under the research project Viral and Hemorrhagic Fever Disease Surveillance, Diagnostic Testing and Laboratory Capacity Building in Pakistan

Participated as resource person in a week workshop entitled “Lab assisted disease diagnostic techniques” held on December 7 – 18, 2015 Organized by University Diagnostic Lab (UDL), UVAS Lahore

Participated as speaker in 8th Asian Buffalo Congress held in Istanbul, Turkey between 21-25 April 2015

Participated as a Member in the International Symposium on Dairy Animal Reproduction (ISDAR 2015) held on March 30-31, 2015 at UVAS, Lahore, Pakistan organized by UVAS and the Society of Animal Reproduction of Pakistan

Participated as Resource Person in training workshop entitled “In-Service Competency Enhancement Training for Teacher (I-SCETT)” held on June 2nd – 6th, 2014 Organized by Center for Educational Policy and Administration, UVAS Lahore

Participated as Resource Person in training workshop entitled “Pre-Service Competency Enhancement Training for Teacher (P-SCETT)” held on August 5th – 9th, 2014 Organized by Center for Educational Policy and Administration, UVAS Lahore

Participated as resource Person on a workshop entitled “Use of Endnote” held on 2nd April, 2014 – 18, 2015 Organized by the Office of Research Innovation and Commercialization (ORIC), UVAS Lahore
Participated as Resource Person in an international workshop entitled “Biosafety” held on December 7 – 18, 2015 Organized by PBSA and University Diagnostic Lab (UDL), UVAS Lahore.
Participated as Organizing Committee Kissan Mela held on 25th November, 2014 at Ravi Campus, Pattoki UVAS Lahore
Participated as organizer in First Annual Function held on 22 nd November 2004 organized by Alumni Association UVAS Lahore
OTHERS PARTICIPATION
Participated in workshop entitled “RT-PCR for Diagnosis of FMD virus” held on 19 th August 2006 organized by Institute of Continuing Education and Extension, UVAS Lahore
Participated in workshop “Biochemical Engineering and Fermenter Applications” held on 19 th August, 2006 organized by Institute of Biochemistry and Biotechnology University of Punjab, Lahore
Participated in two days international conference on Solving Problems of Freshwater Fish Farming in Pakistan held on 27 th - 28 th November 2006 organized by Department of Fisheries and Aquaculture, UVAS Lahore
Participated in one day national seminar on Development of wildlife education and research held on 26 th January, 2004 organized by Faculty of Fisheries and Wildlife, UVAS Lahore

RESEARCH PROJECTS

Sr. #	Title of Project	Source of funding	Status in Project	Amounts of funds (Rs.) in Million	Initiation Date
1.	Preparation of highly specific ELISA Kit on Recombinant outer membrane protein (OMP) of <i>Pasteurella multocida</i> B2 to detect Post-vaccination immune response	HEC, Pakistan Under TDF	PI	9.544	2017
2.	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 inoculating in mice and calves	HEC, Pakistan Under NRPU	PI	6.714	2016
3.	Epidemiology and Characterization of Bacterial Pathogens Associated with Epizootic Ulcerative Syndrome (EUS) and Motile Aeromonas Septicemia (MAS) from Pakistani Farmed Fish	UAF	Co-PI	0.8	2017
4.	Vaccine Efficacy Testing	ICI, Pakistan	PI	1.3	2018

ACADEMIC DISTINCTION

Name and place of School, College and University /Institution	Certificate / Degrees obtained	Years Attended		Distinction Certificate / Medal
		From	To	
Massey University Graduate Research School, New Zealand	Ph.D	2008	2013	*Three Minute Thesis Competition Grand Final Award
Massey University Graduate Research School, New Zealand	Ph.D	2008	2013	RSI Award
Massey University Graduate Research School, New Zealand	Ph.D	2008	2013	Best Talk Award

*<http://www.massey.ac.nz/massey/about-massey/news/article.cfm?mnarticle=international-student-wins-masseys-three-minute-thesis-competition-06-09-2011>

INTERNATIONAL TRAVELLING

Country	Duration		Purpose of Visit
	From	To	
New Zealand	2008 to 2013		For Ph. D.
Australia, Sydney	3 rd September 2011 to 11 th September 2011		To present the paper Pseudomonas conference, 2011
Australia, Perth	28 th September 2011 to 30 th September 2011		To represent Massey University in 3MT Inter-university Competition
Australia, Sydney, Brisbane	6 th June 2012 to 7 th July 2012		To attend the meeting of the Australian Society of Microbiology
Turkey, Istanbul	19 th April 2015 to 28 th April 2015		To Present a research paper in 8 th Asian Buffalo Congress 2015
USA, Ames, Iowa	5 th April 2016 to 15 th April 2016		For Training on the International Transboundary Animal Disease Course at the National Veterinary Services Laboratory
Malaysia, Kuala Lumpur	5 th February 2018 to 9 th February 2018		To present the paper in Promote safe and secure science conference
Thailand	21 st June 2018 to 27 th June 2018		For training on Halal Forensic Science Laboratory
UAE	7 th May 2018 to 9 th May 2018		For training on Intro I analysis

MEMBERSHIPS

- Pakistan Veterinary Medical Council (Active)
- Pakistan Biological Safety Association (Lifetime Membership)
- Pakistan Students Association Massey University, Newzealand (President)
- Muslim Student Association Massey University New Zealand (President)
- Australian Society of Microbiology
- Member of National Disease Control Committee (NDCC).
- Society of Veterinary Physiology CVS, Lahore (President)
- Iqbalian Society, UVAS Lahore (President)
- Alumni Association, UVAS Lahore (Lifetime Membership)

ADVISORY SERVICES

- Headed the teams to diagnose the epidemics and outbreaks of diseases in livestock
- Isolation, Identification and control of pathogens of livestock to support the dairy and livestock department of Punjab, Pakistan
- Headed the teams of professionals to diagnose the outbreaks in governmental and private dairy farms
- Advisory services to develop Disease diagnostic labs in public and private sectors