

DR. HAFIZ IFTIKHAR HUSSAIN

Assistant Professor
Department of Pathology
Cholistan University of Veterinary and Animal Sciences, Bahawalpur - Pakistan
<https://dr-iftikhar-portfolio.vercel.app/>



PERSONAL PROFILE

Permanent Address: Farooka, District Sargodha, Pakistan
Contact: +92 3000235334
E mail: hafiziftikharhussain@cuvas.edu.pk
Language Proficiency:
Fluent in English
Chinese (Listening and Speaking)

ACADEMIC QUALIFICATION

2013-2017

Doctor of Philosophy (PhD)

Major: Basic Veterinary Medicine
Field: Pathobiology
Marks: 981/1200 (81.75%)
Huazhong Agricultural University, Wuhan, P. R. China

2010 – 2012

Master of Philosophy (M. Phil)

Major: Pathology
Field: Histopathology and Toxicology
CGPA 3.81/4.00 (78.84%)
University of Agriculture, Faisalabad – Pakistan

2005 – 2010

Doctor of Veterinary Medicine

CGPA - 3.26/4.00 (69.18%)
University of Agriculture, Faisalabad – Pakistan

RESEARCH EXPERIENCE

PhD Thesis

Functional Genomic and Transcriptomic Profiling of Pathogenic Multidrug Resistant and Highly Virulent *Escherichia coli* of Poultry Origin

M.Phil. Thesis

Clinico-Pathological studies of Newcastle disease in Arsenic intoxicated Broiler chicks

JOB EXPERIENCE

10.07.2018 – 18.12.2018

Assistant Professor in Department of Veterinary Pathology, Faculty of Veterinary and Animal Sciences, PMAS-Arid Agriculture University Rawalpindi-Pakistan.

19.12.2018 to date

Assistant Professor in Department of Pathology, Cholistan University of Veterinary and Animal Sciences (CUVAS), Bahawalpur-Pakistan.

Current Status

Currently I am working as

- **Assistant Professor** Department of Pathology (CUVAS, Bahawalpur-Pakistan)
- **Officer Incharge** Department of Medical Laboratory Technology (CUVAS, Bahawalpur-Pakistan)
- **Coordinator** Doctor of Veterinary Medicine Degree program, and B.S. Medical Laboratory Technology Batch 2024-28 (CUVAS, Bahawalpur-Pakistan)
- **Member** One Health Club (CUVAS, Bahawalpur-Pakistan)
- **Member** Pakistan Veterinary Medical Council
- **Member** Pakistan Biological Safety Association

RESEARCH SKILLS AND INTEREST

Antibiotic resistance determination, Extended spectrum- β -lactamase detection, HPLC, PCR, DNA Extraction, RNA Extraction, Protein Extraction, RNA Sequencing, Whole genome re-sequencing, Animal's modeling, Development of cell lines, ELISA Test (Enzyme-Linked Immunosorbent Assay), Spectrophotometry, Biofilm formation and detection, Pathological studies of bacterial and viral diseases in poultry and livestock, Necropsy Examination, Phytomedicine and Toxicopathology.

HONORS AND AWARDS

- Sahadat-e-Hifz-ul-Quran, Wafaq-ul-Madaris, Islamabad.
- Scholarship from "Chinese Scholarship Council" for PhD
- Winner of "Best Student Paper Award" in "The First Annual Academic Symposium for International Students" held in Huazhong Agricultural University Wuhan, China on 6th January 2018.
- Certified reviewer of "Antimicrobial Resistance & Infection Control" journal.
- Reviewer of well reputed journals e.g., Malaysian Journal of Microbiology, Frontiers in Veterinary Science – section - Veterinary Infectious Diseases, Ecotoxicology and Environmental Safety, Dose Response, PLOS ONE, IJID One Health, Scientific Reports, BioMed Research International, Open Access Journal of Microbiology & Biotechnology, and Canadian Journal of Infectious Diseases and Medical Microbiology.
- Editorial Board member of few well-regarded journals, e.g., Agrobiological Records, THE PROGRESS: A Journal of Multidisciplinary Studies.

CONFERENCES/SEMINARS/WEBINARS ATTENDED

2008

International conference on "**Future prospects of dairy production in Pakistan**" University of Agriculture, Faisalabad – Pakistan

2014	"Food security and drug residues in animals" Huazhong Agricultural University Wuhan, China
2014	"Perspectives of pyrethroids toxicity" Key Laboratory for Veterinary Pharmacology and Toxicology, Huazhong Agricultural University Wuhan, China
2014	"Antimicrobial resistance" National key laboratory for veterinary Drug Residues Huazhong Agricultural University, Wuhan, China.
2014	"The 6th International Symposium on Emerging Viral Diseases Control" Organized by Wuhan institute of Virology, Chinese Academy of Sciences (CAS) on 29-31, October 2014.
2015	"Two Days International Seminar on Poultry Diseases" Organized by Department of Pathology, University of Agriculture, Faisalabad (UAF), Pakistan, on 14-15 December.
2017	"The Belt and Road" Sino-Pakistan Forum" Organized by International college, Huazhong Agricultural University, Wuhan, China, on 04-08 December 2017.
2018	"The First Annual Academic Symposium for International Students" organized by International College, Huazhong Agricultural University, Wuhan, China, on 6th January 2018.
2018	"Seminar on World Rabies Day" , Organized by Department of Veterinary Pathology, Faculty of Veterinary and Animal Sciences, PMAS-Arid Agriculture University Rawalpindi, in joint venture with National Institute of Health Islamabad on 28 September 2018.
2018	"National Poultry Symposium on Health & Welfare" , Organized by Department of Poultry Sciences, Faculty of Veterinary and Animal Sciences, PMAS-Arid Agriculture University Rawalpindi, on 11-12, December 2018.
2018	"International Seminar on Avian Disease Diagnosis" , Organized by Department of Poultry Sciences, Faculty of Veterinary and Animal Sciences, PMAS-Arid Agriculture University Rawalpindi, on 13 December 2018.
2019	"1st National Conference Microbiology Infectious Diseases and Health Safety" April 4-5 th , 2019, University of Swabi, Anbar, KP, Pakistan.
2019	"2nd International Buffalo Congress IBC" February 18-19, 2019, University of Veterinary & Animal Sciences, Lahore-Pakistan.
2020	"Virtual One Health International Conference" held on 25-26 Nov. 2020 in College of Veterinary & Animal Sciences, Jhang, Pakistan.

- 2020** **“International Webinar on Cyanide Poisoning”** Department of Vet. Medicine, UVAS, Lahore-Pakistan, dated 23 Sep. 2020.
- 2022** **“Seminar and Walk on Dengue Awareness Day”** organized by Faculty of Veterinary Science, Cholistan University of Veterinary & Animal Sciences, Bahawalpur, dated 04-11-2022.
- 2022** One Day Seminar on **“Food security and Livestock”** organized by Faculty of Veterinary Science, Cholistan University of Veterinary & Animal Sciences, Bahawalpur, dated 01-12-22.
- 2022** **“The Belt and Road International Academic Conference on Animal Health Breeding and Disease Prevention (Talk online).** Organized by Shihezi University and Huazhong Agricultural University, China, dated 30-12-2022.
- 2023** **“International conference on Strengthening Collaboration for Improved Health Security (SCIHS),** at UVAS Lahore, Pakistan, 14-15 March, 2023.
- 2023** An International conference on **“Innovation in Biochemistry, Veterinary Medicine and Pharmacology”** organized with Higher Education Commission (HEC) on February 06-07, 2023 at CUVAS, Bahawalpur-Pakistan
- 2023** One-day seminar on **“Sire Summaries for Farmers”** organized by Cholistan University of Veterinary & Animal Sciences, Bahawalpur, dated 21-12-2023.
- 2024** One Day Seminar **“Assessment of Desert Ecology Through Animals”** organized by Faculty of Bioscience, Cholistan University of Veterinary & Animal Sciences, Bahawalpur, dated 01-03-2024.
- 2025** **“1st International Virtual Conference for Young Researchers on Applied Chemistry and Biological Sciences.** Dated: February 25-26, 2025. Organized by Department of Applied Chemistry, Government College University Faisalabad, Pakistan.
- 2025** **“21st Annual Conference of the Medical Microbiology and Infectious Diseases Society of Pakistan (MMIDSP)”** held on February 7th and 8th, 2025, at Nishtar Medical University, Multan, Pakistan.
- 2025** Organized a one-day seminar on **“World Tuberculosis Awareness Day”** on 24th March 2025, jointly organized by Department of Microbiology and Department of Pathology, CUVAS-Bahawalpur, Pakistan.
- 2026** Delivered a talk as a **“Guest Speaker”** on **“Beyond the Myths: The Science of Blood Donation and Thalassemia Prevention”** during a webinar organized by Blood Chain Pakistan on August 16, 2026.

TRAINING AND WORKSHOPS ATTENDED

2019	"In-Service Competency Enhancement Training for University Faculty" 25 th - 26 th April 2019, Cholistan University of Veterinary & Animal Sciences, Bahawalpur.
2019	"Two days hands on training on Bioinformatics" 26 th -27 th September 2019, College of Veterinary & Animal Sciences, Jhang, Pakistan.
2019	"Animal Disease Diagnostics and Outreach Through Gross Pathology" 15 October 2019, College of Veterinary & Animal Sciences, Jhang.
2019	"3rd All Pakistan Veterinary Degree Awarding Institutes Talent Competition" on 09-11 December 2019, Organized by Faculty of Veterinary Science, University of Agriculture, Faisalabad, Pakistan
2019	One Day Hands on Training Workshop "Bio-risk Management in Biological Labs" 20 th December 2019, Cholistan University of Veterinary & Animal Sciences, Bahawalpur.
2020	Five Days online "Faculty Orientation Training Workshop" under Punjab Higher Education Commission, Dated Nov. 02-06, 2020.
2021	"Five Days Virtual Training on Biorisk Management" dated Dec. 28, 2020, to Jan. 01, 2021, CUVAS-Bahawalpur.
2021	"One Day Training Workshop on Reproductive Ultrasonography of Small Ruminants" , held on 10 March 2021 in Cholistan University of Veterinary and Animal Sciences-Bahawalpur.
2021	"Two-days Biorisk Management refresher training course in collaboration with Health Security Partners" held on 7 th – 8 th October 2021, at Cholistan University of Veterinary & Animal Sciences, Bahawalpur.
2021	Faculty Development Workshop "Knowing Cancer in Small Animals to Improve their Quality of Life" , 08-10 July 2021 at UVAS-Lahore
2022	One-day workshop on "Biosecurity Measures and Necropsy Practices" organized by Coordinator DVM (2019-24) Faculty of Veterinary Science, Cholistan University of Veterinary & Animal Sciences, Bahawalpur, dated 07-12-2022.
2025	Training workshop on, "Self-Assessment Report (SAR) Writing" conducted at Cholistan University of Veterinary & Animal Sciences, Bahawalpur, dated 09-04-2025.

- 2025** **“National Outreach Program for Faculty”**, organized by National Academy of higher Education (NAHE) Higher Education Commission (HEC) in collaboration with Cholistan University of Veterinary & Animal Sciences, Bahawalpur, dated 21st April - 8th May 2025.
- 2025** Workshop on **“PSG 2023 Pakistan Percepts Standards and Guidelines for Quality Assurance”** organized by Pakistan Scientific and Technological Information Center, Pakistan Science Foundation and Cholistan University of Veterinary & Animal Sciences, Bahawalpur, dated June 19, 2025, at CUVAS Bahawalpur-Pakistan.
- 2026** Organized, “One day national workshop titled **"Fundamentals of Fine Needle Aspiration (FNA) Cytopathology for Thyroid and Breast Lesions"**, held on May 21, 2026, at Central Diagnostic Laboratory (CDL), CUVAS, Bahawalpur