

1. BIOGRAPHICAL SKETCH			
Dr. Muhammad Abu Bakr Shabbir		Assistant Professor (TTS)	
Ph.D., M.Phil., DVM, RVMP (Pak)			
HEC Approved PhD Supervisors			
Email: abubakr.shabbir@uvas.edu.pk			
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EDUCATION			
INSTITUTION AND LOCATION	Qualification	MM/YY	FIELD OF STUDY
University of Agriculture, Faisalabad, Pakistan	DVM	06/2010	Veterinary Medicine
University of Agriculture, Faisalabad, Pakistan	M.Phil	12/2012	Microbiology
Huazhong Agricultural University, Wuhan, China	Ph.D	12/2018	Microbiology

A. AREAS OF INTEREST

My research interests are focused on veterinary bacteriology, CRISPR-cas system usage to express protein in bacteria and the involvement of said system in virulence, antibiotic resistance and how this system changes the pathophysiology of bacteria. My future goals will be to utilize my potential of microbiology research in veterinary sciences.

B. POSITIONS AND HONORS

Positions and Employment

Aug 2019 – To date	Assistant Professor (TTS) Department of Microbiology, University of Veterinary and Animal Sciences (UVAS), Lahore.
Jan 2013 – Aug 2014	Lab Manager, K & N's poultry diagnostic and research institute at Abbottabad.
Nov 2011 – Dec 2012	Research Assistant, University Diagnostic Laboratory, University of Veterinary and Animal Sciences, Lahore.

Honors

2014-2018 Won Ph.D scholarship from Chinese Scholarship Council from September 2014 to December 2018.

C. PEER-REVIEWED PUBLICATIONS

Book Chapter

- Sajid, A., Ahmed, S., Shabbir, M. A. B., Maan, M. K., Ahmed, I., Li, J., Yuan, Z., & Hao, H. (2018). PK/PD for prediction and contain of antimicrobial resistance. In A. Budimir (Ed.), *Fighting Antimicrobial Resistance* (Chapter 16). Zagreb, Croatia: IAPC Publishing
- Newcastle disease in mammalian species: The propensity of cross-species transmission towards public health perspective in Veterinary Pathobiology and Public Health (**Chapter No. 38**) **Authors:** Aziz Ul-Rahman, **Muhammad Abu Bakr Shabbir** and Muhammad Asif Raza. 1st edition (2021), PageNo.451–461.
- Peste des petits ruminants in a wide range of domestic, wild and unusual hosts: A potential constraint in disease control efforts" in Animal Health Perspective (**Chapter 11**), **Authors:** Aziz Ul-Rahman, Momena Habib, **Muhammad Abu Bakr Shabbir**, Muhammad Furqan Shahid, Asif Mehmood and Muhammad Asif Raza. Volume 2, **Page No.** 86–96
- Ul-Rahman, A., **M. A. B. Shabbir**, S. A. Rajput, M. Habib, N. Bano, A. Anjum, N. Niaz, N. Shafi, and M. A. Raza. "Covid-19 and Vaccine Hesitancy among Public Communities: A Global Health Perspective." *One Health Triad, Unique Scientific Publishers, Faisalabad, Pakistan* 1 (2023): 80-85.
- Ul-Rahman, Aziz, **Muhammad Abu Bakr Shabbir**, and Muhammad Asif Raza. "NEWCASTLE DISEASE IN MAMMALIAN SPECIES: THE PROPENSITY OF CROSS-SPECIES TRANSMISSION TOWARDS PUBLIC HEALTH PERSPECTIVE." *VETERINARY PATHOBIOLOGY & PUBLIC HEALTH* (2021): 451.

Research Articles

NO.	PUBLICATION DETAIL	IF
1.	Du, J., Shi, H., Manzoor, Z., Tahir, A. H., Fatima, A., Fayyaz, T., Shabbir, M.A.B... & Maan, M. K. (2025). Assessment of Inflammatory Biomarkers and Their Correlation With Wound Healing Status Following Application Of Chitosan Hydrogel With PRP. <i>Microbial Pathogenesis</i> , 108146.	3.5
2.	Anwar, U., Sattar, A., Rasheed, M. A., Shabbir, M. A. B. , & Abbas, M. (2025). Synergistic Antibacterial Activity of Azithromycin-Loaded Chitosan Nanoparticles Alone and in Combination with Cetirizine Dihydrochloride Against Resistant Isolates of Respiratory Tract Infections. <i>Antibiotics</i> , 14(10), 992.	4.6
3.	Munir, F., Safdar, W., Shabbir, M. A. , Ahmed, S., Navid, M. T., Ali, M., & Ahmed, I. (2025). Production, characterization, and antimicrobial activity of polyhydroxyalkanoates synthesized by <i>Bacillus</i> species against skin pathogens. <i>RSC Advances</i> , 15, 35182–35200.	4.6
4.	Huda, M. N. U., Shabbir, M. Z., Tahir, A. H., Ahmad, A. A., Zahoor, U. B., Ahmad, W., ... &	1.9

	Shabbir, M. A. B. (2025). Molecular detection and prevalence of colistin-resistant <i>Escherichia coli</i> in poultry and humans: a one health perspective. <i>Brazilian Journal of Microbiology</i> , 1-12.	
5.	Ahmad, M., Omer, M. O., Iqbal, Z., Sattar, A., & Shabbir, M. A. B. (2025). Targeting Antimicrobial Resistance in <i>Salmonella Enteritidis</i> : Synergistic Action of N-acetyl cysteine with Florfenicol and CRISPR-Cas System Involvement. <i>Pakistan Veterinary Journal</i> . DOI: 10.29261/pakvetj/2025.212	5.4
6.	Maan, M. K., Yi, D., Shabbir, M. A. , & Abouelfetouh, M. M. (2025). Effect of novel probiotics on gut microbiota to alleviate hepatic lipidosis in dairy cattle. <i>Microbial Pathogenesis</i> , 107730.	3.5
7.	Anwar, U., Sattar, A., Rasheed, M. A., Shabbir, M. A. B. , & Abbas, M. (2025). Preparation, characterization and toxicological evaluation of azithromycin-loaded chitosan nanoparticles alone and in combination with cetirizine dihydrochloride. <i>Asian J. Agric. Biol</i> , 2025, 2024178.	1.6
8.	Shabbir, M. A. B. , Shamim, M., Tahir, A. H., Sattar, A., Qin, W., Ahmad, W., ... & Ashraf, M. A. (2024). Potential of ZnO nanoparticles for multi-drug resistant <i>Escherichia coli</i> having CRISPR-Cas from poultry market in Lahore. <i>BMC microbiology</i> , 24(1), 355.	4.2
9.	Beig, M. M., Ali, M. A., Javed, H., Yaqub, T., Mehmood, A. K., Nawaz, M., Shabbir, M.A.B. , ... & Anjum, A. A. (2024). Geospatial dynamics of SARS-CoV-2 variants during the Fifth Wave of COVID-19 in Punjab, Pakistan. <i>Advancements in Life Sciences</i> , 11(2), 493-499.	0.9
10.	Rafiq, M. S., Shabbir, M. A. , Raza, A., Irshad, S., Asghar, A., Maan, M. K., ... & Hao, H. (2024). CRISPR-Cas System: a new Dawn to combat antibiotic resistance. <i>BioDrugs</i> , 38(3), 387-404.	5.4
11.	Zahid, A., ul Eiza, N., Khalid, M., Irshad, H. U., Shabbir, M. A. B. , Ali, A., ... & Huang, L. (2024). Targeting inflammation for the treatment of endometritis in bovines. <i>Microbial Pathogenesis</i> , 188, 106536.	3.3
12.	Shabbir, M. A. B. , Ul-Rahman, A., Iftikhar, M. R., Rasheed, M., Maan, M. K., Sattar, A., ... & Aslam, H. B. (2024). Exploring the interplay of the CRISPR-CAS system with antibiotic resistance in <i>Staphylococcus aureus</i> : a poultry meat study from lahore, Pakistan. <i>Medicina</i> , 60(1), 130.	2.6
13.	Majeed, A., Mahmood, S., Tahir, A. H., Ahmad, M., Shabbir, M. A. B. , Ahmad, W., ... & Ramish, W. (2023). Patterns of common dermatological conditions among children and adolescents in Pakistan. <i>Medicina</i> , 59(11), 1905.	2.6
14.	Wu, Q., Wei, H., Lei, C., Wu, R., Shabbir, M. A. B. , Peng, D., ... & Wang, Y. (2023). ATP bioluminescence-based method for screening of multiclass antibiotic residues in animal derived foods. <i>Microchemical Journal</i> , 193, 108981.	4.8
15.	Ashraf, M. A., Nawaz, M., Asif, A., Ali, M. A., Mehmood, A., Aziz, M. W., Shabbir, M.A.B. ,... & Yaqub, T. (2023). Temporal study of wastewater surveillance from September 2020 to March 2021: an estimation of COVID-19 patients in Lahore, Pakistan. <i>Environmental Science and Pollution Research</i> , 30(33), 80855-80862.	5.2
16.	Lail, N. U., Sattar, A., Omer, M. O., Hafeez, M. A., Khalid, A. R., Mahmood, S., Shabbir, M.A.B. , ... & Almutairi, M. M. (2023). Biosynthesis and characterization of zinc oxide nanoparticles using <i>Nigella sativa</i> against coccidiosis in commercial poultry. <i>Scientific Reports</i> , 13(1), 6568..	4.6
17.	Aziz, M. W., Mukhtar, N., Anjum, A. A., Mushtaq, M. H., Shahid, M. F., Ali, M., Shabbir, M.A.B. , ... & Yaqub, T. (2023). Molecular Characterization and Selection of Indigenous SARS-CoV-2 Delta Variant for the Development of the First Inactivated SARS-CoV-2 Vaccine of Pakistan. <i>Vaccines</i> , 11(3), 607.	7.8
18.	Ahmad, W., Shabbir, M. A. B. , Ahmad, M., Omer, M. O., Mushtaq, R. M. Z., Aroosa, S., ... & Majeed, A. (2023). Insights into the Prognostic Role of Serum Interleukin-6 and Hematobiochemical Alterations in Cattle during Recent Outbreaks of Lumpy Skin Disease in Lodhran District, Pakistan. <i>Vaccines</i> , 11(1), 113..	7.8
19.	Aziz, U. R., Shabbir, M. A. B. , Rehman, A., Iqbal, M. Z., Yasin, R., Ishaq, H. M., ... & Raza, M. A. (2023). Seroprevalence of Newcastle disease virus and avian influenza virus in poultry and captive wild birds in poultry-dense regions of Pakistan. <i>Veterinaria Italiana</i> , 59(1).	0.5
20.	Nawaz, M., Ashraf, M. A., Ali, M. A., Shabbir, M. Z., Shabbir, M. A. B. , Altaf, I., ... & Yaqub, T. (2022). Renaissance helps in early clearance of SARS-CoV-2: In-vivo activity of the iodine complex in Rhesus macaque. <i>Life</i> , 12(9), 1424.	3.253
21.	Wu, X., Liu, J., Feng, J., Shabbir, M. A. B. , Feng, Y., Guo, R., ... & Wang, Y. (2022). Epidemiology, environmental risks, virulence, and resistance determinants of <i>Klebsiella pneumoniae</i> from dairy cows in Hubei, China. <i>Frontiers in microbiology</i> , 13, 858799.	5.640
22.	Abdul Hafeez, M., Mehdi, M., Aslam, F., Ashraf, K., Aleem, M. T., Khalid, A. R., Shabbir, M.A.B. ,... & Almutairi, M. M. (2022). Molecular characterization of <i>Toxoplasma gondii</i> in cats and its zoonotic potential for public health significance. <i>Pathogens</i> , 11(4), 437.	3.492
23.	Raza, S., Mukhtar, N., Nawaz, M., Ali, M. A., Shabbir, M. A. B. , Ashraf, M. A., ... & Yaqub, T. (2021). A cross-sectional survey of knowledge, attitude, and practices of university students in Pakistan regarding COVID-19. <i>Frontiers in Public Health</i> , 9, 697686.	3.709
24.	Maan, M. K., Chaudhry, T. H., Sattar, A., Shabbir, M. A. B. , Ahmed, S., Mi, K., ... & Huang, L. (2021). Dose optimization of aditoprim-sulfamethoxazole combinations against <i>Trueperella pyogenes</i> from patients with clinical endometritis by using semi-mechanistic PK/PD model. <i>Frontiers in Pharmacology</i> , 12, 753359.	5.8
25.	Yaqub, T., Nawaz, M., Shabbir, M. Z., Ali, M. A., Altai, I., Raza, S., Shabbir, M.A.B. , ... & Farooq,	3.118

	O. (2021). A longitudinal survey for genome-based identification of SARS-CoV-2 in sewage water in selected lockdown areas of Lahore City, Pakistan: a potential approach for future smart lockdown strategy. <i>Biomedical and Environmental Sciences</i> , 34(9), 729.	
26.	Iqbal, Z., Hussain, H. I., Seleem, M. N., Shabbir, M. A. B. , Sattar, A., Aqib, A. I., ... & Hao, H. (2021). RNA-seq-based transcriptome analysis of a cefquinome-treated, highly resistant, and virulent MRSA strain. <i>Microbial Pathogenesis</i> , 160, 105201.	3.73
27.	Altaf, I., Nadeem, M. F., Hussain, N., Nawaz, M., Raza, S., Shabbir, M. A. B. , ... & Yaqub, T. (2021). An in vitro antiviral activity of iodine complexes against SARS-CoV-2. <i>Archives of Microbiology</i> , 203(7), 4743-4749.	1.88
28.	Hussain, H. I., Aqib, A. I., Seleem, M. N., Shabbir, M. A.B. , Hao, H., Iqbal, Z., ... & Li, K. (2021). Genetic basis of molecular mechanisms in β -lactam resistant gram-negative bacteria. <i>Microbial pathogenesis</i> , 158, 105040.	3.73
29.	Wu, Q., Shabbir, M. A. B. , Peng, D., Yuan, Z., & Wang, Y. (2021). Microbiological inhibition-based method for screening and identifying of antibiotic residues in milk, chicken egg and honey. <i>Food Chemistry</i> , 363, 130074.	7.514
30.	Wu, Q., Liu, X., Dun, X., Shabbir, M. A. B. , Peng, D., Yuan, Z., & Wang, Y. (2021). The screening and identification of six commonly used antibiotics in swine kidney by a microbiological inhibition method. <i>Microchemical Journal</i> , 161, 105796.	3.594
31.	Ul-Rahman, A., Shabbir, M. A. B. , Mehmood, A., & Shabbir, M. Z. (2021). Genotypic and sub-genotypic diversity of avian paramyxoviruses 2, 4 and 6. <i>Pakistan Veterinary Journal</i> , 156-159.	1.318
32.	Ul-Rahman, A., Shabbir, M. A. B. , Aziz, M. W., Yaqub, S., Mehmood, A., Raza, M. A., & Shabbir, M. Z. (2020). A comparative phylogenomic analysis of SARS-CoV-2 strains reported from non-human mammalian species and environmental samples. <i>Molecular Biology Reports</i> , 47(11), 9207-9217.	1.402
33.	Wu, Q., Zhu, Q., Shabbir, M. A. B. , Sattar, A., Peng, D., Tao, Y., ... & Wang, Y. (2021). The search for a microbiological inhibition method for the rapid, broad-spectrum and high-throughput screening of six kinds of antibiotic residues in swine urine. <i>Food Chemistry</i> , 339, 127580.	7.514
34.	Maan, M. K., Sattar, A., Mi, K., Shabbir, M. A. B. , Xie, S., Xin, L., ... & Yuan, Z. (2020). Integration of PK/PD for dose optimization of aditoprim against Trueperella pyogenes causing endometritis in bovines. <i>Microbial Pathogenesis</i> , 142, 104097.	3.73
35.	Ul-Rahman, A., Shabbir, M. A. B. , Ahmed, M., & Shabbir, M. Z. (2020). A comparative evaluation of serum biochemistry profile and antigenic relatedness among velogenic and mesogenic Avian avulavirus 1 infection in chickens and pigeons. <i>Tropical animal health and production</i> , 52(4), 1977-1984.	1.089
36.	Sattar, A., Hafeez, M. A., Wu, Q., Tahir, A. H., Shabbir, M. A. B. , Chen, D., ... & Yuan, Z. (2020). Disposition of cyadox in domesticated cats following oral, intramuscular, and intravenous administration. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 43(2), 97-107.	1.175
37.	Ahmed, S., Ning, J., Peng, D., Chen, T., Ahmad, I., Ali, A., Shabbir, M.A.B. , ... & Yuan, Z. (2020). Current advances in immunoassays for the detection of antibiotics residues: A review. <i>Food and Agricultural Immunology</i> , 31(1), 268-290.	3.101
38.	Wu, Q., Gao, X., Shabbir, M. A. B. , Peng, D., Tao, Y., Chen, D., ... & Wang, Y. (2020). Rapid multi-residue screening of antibiotics in muscle from different animal species by microbiological inhibition method. <i>Microchemical Journal</i> , 152, 104417.	3.594
39.	Wu, Q., Zhu, Q., Liu, Y., Shabbir, M. A. B. , Sattar, A., Peng, D., ... & Yuan, Z. (2019). A microbiological inhibition method for the rapid, broad-spectrum, and high-throughput screening of 34 antibiotic residues in milk. <i>Journal of dairy science</i> , 102(12), 10825-10837.	3.082
40.	Ul-Rahman, A., & Shabbir, M. A. B. (2020). In silico analysis for development of epitopes-based peptide vaccine against Alkhurma hemorrhagic fever virus. <i>Journal of Biomolecular Structure and Dynamics</i> , 38(10), 3110-3122.	3.310
41.	Huang, L., Maan, M. K., Xu, D., Shabbir, M. A. B. , Dai, M., & Yuan, Z. (2019). Pharmacokinetic-pharmacodynamic modeling of cyadox against Escherichia coli in swine. <i>Microbial Pathogenesis</i> , 135, 103650.	2.581
42.	Shabbir, M. A. B. , Shabbir, M. Z., Wu, Q., Mahmood, S., Sajid, A., Maan, M. K., ... & Yuan, Z. (2019). CRISPR-cas system: biological function in microbes and its use to treat antimicrobial resistant pathogens. <i>Annals of clinical microbiology and antimicrobials</i> , 18(1), 21.	2.924
43.	Ahmad, A. A., Shabbir, M. A. B. , Xin, Y., Ikram, M., Hafeez, M. A., Wang, C., ... & Hu, M. (2019). Characterization of the complete mitochondrial genome of a whipworm Trichuris skrjabini (Nematoda: Trichuridae). <i>Genes</i> , 10(6), 438.	3.331
44.	Li, J., Hao, H., Dai, M., Zhang, H., Ning, J., Cheng, G., Shabbir, M.A.B. , ... & Yuan, Z. (2019). Resistance and virulence mechanisms of Escherichia coli selected by enrofloxacin in chicken. <i>Antimicrobial agents and chemotherapy</i> , 63(5), 10-1128.	4.904
45.	Li, C., Zhou, K., Chen, D., Xu, W., Tao, Y., Pan, Y., Shabbir, M.A.B. , ... & Xie, S. (2019). Solid lipid nanoparticles with enteric coating for improving stability, palatability, and oral bioavailability of enrofloxacin. <i>International Journal of Nanomedicine</i> , 1619-1631.	5.115
46.	Wu, Q., Peng, D., Liu, Q., Shabbir, M. A. B. , Sajid, A., Liu, Z., ... & Yuan, Z. (2019). A novel microbiological method in microtiter plates for screening seven kinds of widely used antibiotics	4.295

	residues in milk, chicken egg and honey. <i>Frontiers in Microbiology</i> , 10, 436.	
47.	Shabbir, M. A. , Wu, Q., Shabbir, M. Z., Sajid, A., Ahmed, S., Sattar, A., ... & Yuan, Z. (2018). The CRISPR-cas system promotes antimicrobial resistance in <i>Campylobacter jejuni</i> . <i>Future Microbiology</i> , 13(16), 1757-1774.	3.19
48.	Shabbir, M. A. , Tang, Y., Xu, Z., Lin, M., Cheng, G., Dai, M., ... & Hao, H. (2018). The involvement of the Cas9 gene in virulence of <i>Campylobacter jejuni</i> . <i>Frontiers in cellular and infection microbiology</i> , 8, 285.	3.520
49.	Liu, Q., Lei, Z., Wu, Q., Awais, I., Shabbir, M. A.B. , Ahmed, S., ... & Yuan, Z. (2018). The reproductive toxicity of mequindox in a two-generation study in Wistar rats. <i>Frontiers in Pharmacology</i> , 9, 870.	3.831
50.	Liu, Q., Lei, Z., Guo, J., Liu, A., Lu, Q., Fatima, Z., Shabbir, M.A.B. ,... & Yuan, Z. (2018). Mequindox-induced kidney toxicity is associated with oxidative stress and apoptosis in the mouse. <i>Frontiers in Pharmacology</i> , 9, 436.	3.831
51.	Shabbir, M. A. B. , Hao, H., Shabbir, M. Z., Hussain, H. I., Iqbal, Z., Ahmed, S., ... & Yuan, Z. (2016). Survival and evolution of CRISPR–Cas system in prokaryotes and its applications. <i>Frontiers in immunology</i> , 7, 375.	6.429
52.	Li, J., Hao, H., Cheng, G., Wang, X., Ahmed, S., Shabbir, M. A. B. , ... & Yuan, Z. (2017). The effects of different enrofloxacin dosages on clinical efficacy and resistance development in chickens experimentally infected with <i>Salmonella Typhimurium</i> . <i>Scientific reports</i> , 7(1), 11676.	4.122
53.	Li, J., Hao, H., Cheng, G., Liu, C., Ahmed, S., Shabbir, M. A. , ... & Yuan, Z. (2017). Microbial shifts in the intestinal microbiota of <i>Salmonella</i> infected chickens in response to enrofloxacin. <i>Frontiers in microbiology</i> , 8, 1711.	4.076
54.	Ahmed, S., Ning, J., Cheng, G., Ahmad, I., Li, J., Mingyue, L., Shabbir, M.A.B. , ... & Yuan, Z. (2017). Receptor-based screening assays for the detection of antibiotics residues—a review. <i>Talanta</i> , 166, 176-186.	3.545
55.	Shabbir, M. A., Hao, H., Shabbir, M. Z., Wu, Q., Sattar, A., & Yuan, Z. (2016). Bacteria vs. bacteriophages: parallel evolution of immune arsenals. <i>Frontiers in microbiology</i> , 7, 1292.	4.019
56.	Sattar, A., Xie, S., Huang, L., Iqbal, Z., Qu, W., Shabbir, M. A. , ... & Yuan, Z. (2016). Pharmacokinetics and metabolism of cyadox and its main metabolites in beagle dogs following oral, intramuscular, and intravenous administration. <i>Frontiers in Pharmacology</i> , 7, 236.	3.83
57.	Sattar, A., Xie, S., Hafeez, M. A., Wang, X., Hussain, H. I., Iqbal, Z., Shabbir, M.A.B. , ... & Yuan, Z. (2016). Metabolism and toxicity of arsenicals in mammals. <i>Environmental toxicology and pharmacology</i> , 48, 214-224.	2.77
58.	Shabbir, M. Z., Jamil, T., Ali, A. A., Ahmad, A., Naeem, M., Chaudhary, M. H., Shabbir, M.A.B. , ... & Rabbani, M. (2015). Prevalence and distribution of soil-borne zoonotic pathogens in Lahore district of Pakistan. <i>Frontiers in Microbiology</i> , 6, 917.	4.076
59.	Shabbir, M. Z., Malys, T., Ivanov, Y. V., Park, J., Shabbir, M. A. B. , Rabbani, M., ... & Harvill, E. T. (2015). Microbial communities present in the lower respiratory tract of clinically healthy birds in Pakistan. <i>Poultry science</i> , 94(4), 612-620.	1.685
60.	Shabbir, M. Z., J. Park, M. Rabbani, K. Muhammad, M. Younus, M. Rehman, M. A. B. Shabbir , A. Ahmad, and E. T. Harvill. "Molecular identification of respiratory microbiota of a young ostrich (<i>Struthio camelus</i>) using tracheo broncho alveolar lavage." (2013): 1276-1280.	0.407
61.	Shabbir, M. Z., Zohari, S., Yaqub, T., Nazir, J., Shabbir, M. A. B. , Mukhtar, N., ... & Munir, M. (2013). Genetic diversity of Newcastle disease virus in Pakistan: a countrywide perspective. <i>Virology journal</i> , 10(1), 170.	2.465
62.	Anees, M., Shabbir, M. Z., Muhammad, K., Nazir, J., Shabbir, M. A. B. , Wensman, J. J., & Munir, M. (2013). Genetic analysis of peste des petits ruminants virus from Pakistan. <i>BMC Veterinary Research</i> , 9(1), 60.	2.903
63.	Munir, M., Shabbir, M. Z., Yaqub, T., Shabbir, M. A. B., Mukhtar, N., Khan, M. R., & Berg, M. (2012). Complete genome sequence of a velogenic neurotropic avian paramyxovirus 1 isolated from peacocks (<i>Pavo cristatus</i>) in a wildlife park in Pakistan. <i>Journal of Virology</i> , 86(23), 13113–13114.	2.465
64.	Shabbir, M. Z., Khalid, R. K., Freitas, D. M., Javed, M. T., Masood Rabbani, M. R., Tahir Yaqub, T. Y., Shabbir, M.A.B. , ... & Muhammad Abbas, M. A. (2013). Serological evidence of selected abortifacients in a dairy herd with history of abortion.	1.217
65.	Ahmad, A., Rabbani, M., Shabbir, M. Z., Muhammad, K., Yaqub, T., Saleemi, M. K., Shabbir, M.A.B. ,... & Alvi, S. Y. (2012). Comparative Suitability of Ear Notch Biopsy and Serum Pairs for Detecting Nature of Bovine Viral Diarrhoea Virus Infection in Dairy Herds. <i>Pakistan Veterinary Journal</i> , 32(3).	1.217
66.	Shabbir, M. Z., Nazir, M. M., Maqbool, A., Lateef, M., Shabbir, M. A. B. , Ahmad, A., ... & Ijaz, M. (2011). Seroprevalence of <i>Neospora caninum</i> and <i>Brucella abortus</i> in dairy cattle herds with high abortion rates. <i>Journal of Parasitology</i> , 97(4), 740-742.	1.395

D. PROJECTS WON

Sr. #	Title (Topic)	Progress	Funding Agency
1.	Molecular characterization and potential transmission of colistin resistant genes in <i>Escherichia coli</i> from poultry to humans.	Completed	International Foundation for Sciences (IFS)

E. CONFERENCE/ SEMINAR ORGANIZED

2-3 January 2025	Participated in two days training workshop on “ Advanced analytical techniques for mycotoxin detection and biochemical detoxification strategies ” organized by Quality operations laboratory, IOM, UVAS
28 November 2024	Participated as an organizer for one-day national symposium on “ Bovine brucellosis & control strategies ” jointly organized by University Diagnostic Laboratory (UDL), IoM UVAS & UM Enterprises
26-28 September 2024.	Participated as a member of disciplinary committee in “ Poultry science conference (PSC@IPEX 2024) ” jointly organized by UVAS & Pakistan poultry association
10-12 September 2024.	Participated as a participant in “ Three-Day complementary training on biorisk management ” conducted by association for biorisk management in collaboration with health security partners.
9-13 September 2024	Participated as a participant for five days workshop “ Master trainers’ program for M. Phil/Ph.D. supervisors. ”
12-16 August 2024	Participated as an participant in “ Independence Week Celebrations. ”
2-3 May 2024	Participated as an organizer in “ Genomic analysis of Infectious Bronchitis virus and disease control interventions ”.
26 April 2024	Participated as an organizer in “ World Veterinary Day 2024 ”.
24 April 2024	Participated as an organizer for a training entitled “ Capacity building training of Lab attendants regarding biosecurity protocols in research institutes ”.
21-23 February 2024	Participated as resource person for “ Four days hands-on training on Techniques in Microbiology ”.
14-16 November 2023	Participated as participant in “ PHEC’s three-day faculty development program (Batch-II) ”.
6 March 2023	Participated as Speaker in one day hands on training workshop on “ CRISPR-Cas9 genome modification technology ”.
2-3 June 2022	Participated as an Organizer in two days hands on training on “ 16S metagenomics: data analysis and applications ”.
27 December 2021 to 7 January 2022	Resource person for two weeks training course on “ Modern Diagnostic Techniques PCR and Ultrasonography ” organized by UVAS in collaboration with GRASP project implemented by International Trade Centre (ITC) funded by EU, Govt. of Balochistan.
5-6 October 2021	Participated in training titled “ Refresher course on biorisk Management ”.
13-14 July 2021	Resource person for the workshop titled “ Diagnosis of COVID-19 using RT-PCR ”.
6-8 July 2021	Resource person for the workshop titled “ Working in BSL-3 laboratory for emerging pathogens ”.
10-12 March 2021	Resource Person for the workshop titled “ Officers of diagnostic labs regarding advanced concepts of biorisk management ” organized by Directorate of animal disease diagnostic, reporting & surveillance, L&DD department Punjab in collaboration with IOM, UVAS, Lahore.
22 February 2021 to 5 March 2021	Resource person for two weeks hands-on training workshop titled “ Laboratory Biosafety, equipment maintenance and microbiological testing ” organized by the IOM, UVAS, Lahore.
23-27 November 2020	Participated in “ Faculty Orientation Training for University of Sargodha and University of Veterinary and Animal Sciences, Lahore ”
13-15 October 2020	Resource person for three days hands-on training on “ Laboratory biosafety, equipment maintenance and waste disposal ” for laboratory assistants of L&DD, Punjab organized at Institute of Microbiology (IOM), UVAS, Lahore.
12-16 October 2020	Participated in “ Virtual Training on Biorisk Management ” at Virology Laboratory, Department of Microbiology, UVAS, Lahore.
9 July 2020	Participated in “ How to publish with Oxford journals/Oxford medicine online supporting every stage in a medical career ”.
9-11 June 2020	Participated in “ Manuscript writing for researchers ” organized by Dr. A. Q. Khan Institute of Biotechnology and Genetic Engineering (KIBGE), University of Karachi.
13-14 April 2020	Resource Person for the Workshop titled “ Diagnosis of COVID-19 using RT-PCR ” at BSL-3 Laboratory for Emerging Pathogens, Department of Microbiology, UVAS, Lahore.
8-10 April 2020	Resource Person for the Workshop titled “ Working in BSL-3 Laboratory ” at BSL-3 Laboratory for Emerging Pathogens, Department of Microbiology, UVAS, Lahore.
2-4 March 2020	Participated in “ 2nd international workshop on Basic mechanism of disease and poultry pathology ” organized by Department of Pathology, UVAS Lahore.

F. Academic Editor: Canadian Journal of Infectious Diseases and Medical Microbiology

G. Reviewer of International Journal

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| 1. Infection and Drug Resistance | 11. International Journal of Microbiology |
| 2. Genetic Research | 12. Current Microbiology |
| 3. Frontiers in Public Health | 13. Gene Reports |
| 4. BioMed Research International | 14. Microchemical Journal |
| 5. Food Chemistry | 15. Gene Reports |
| 6. Antibiotics | 16. Biochemistry and Biophysics Reports |
| 7. Pharmaceuticals | 17. Chemical Engineering Journal |
| 8. Vaccines | |
| 9. Critical Reviews in Microbiology | |
| 10. Journal of infection and Public health | |

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