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Designation		Assistant Professor		
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Faculty		Life Sciences and Informatics		
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Qualification				
Year	Degree/Certificate	Name of the Institute/ University	Field of study	
	Post Doctorate	-	-	
1	PhD	Institute of Biochemistry and Biotechnology, UVAS, Lahore	Molecular Biology	
2	MS/ Mphil	Institute of Biochemistry and Biotechnology, UVAS, Lahore	Molecular Biology	
3	Graduation	Balochistan University of Information Technology, Engineering and Management Sciences, Quetta	Biotechnology and Informatics	
Publications in HEC Recognized journals				
S. No	Title of Paper	Name of Journal	National/ International	Publication date
1	Genomic and Comparative Clinico-Pathological Assessment of Two Pakistani Pigeon-Derived Newcastle Disease Virus Sub-Genotypes XXI.1.1 and XXI.1.2 Isolated in 2017 (Corresponding Author)	Comparative Immunology, Microbiology and Infectious Diseases	International (IF = 2.8)	Feb, 2023
2	Natural bioactive phytochemicals to reduce toxicity in common carp <i>Cyprinus carpio</i> : A challenge to environmental risk assessment of nanomaterials for sustainable conservation of aquatic species	Water	International (IF = 3.530)	May, 2023
3	Parasitological, Molecular, and Epidemiological Investigation of <i>Trypanosoma evansi</i> Infection Among Dromedary Camels in Balochistan Province (Accepted) (Corresponding Author)	Parasitological Research	International (IF = 2.383)	April, 2023
4	Phylogenetic and Antigenic Analysis of Infectious Bronchitis Virus Isolated from Commercial and Backyard Chickens in	Journal of General Virology	International (IF = 5.141)	July, 2023

	Pakistan, 2015-2018 (Accepted) (Corresponding Author)			
5	Identification of two novel missense TBX22 mutations is a frequent cause of non-syndromic cleft palate in Pakistani population. (Corresponding Author)	Pakistan Journal of Zoology	National/ International (IF = 0.687)	Jan, 2023
6	HCV/HBV Co-infection: Current Prospectives	Journal Antiviral Therapy	International (IF = 1.2)	July, 2023
7	Determination of Genetic Variations in Bovine Toll-Like Receptor 2 Gene in Native Achai and Lohani cattle breeds of Khyber Pakhtunkhawa, Pakistan (Corresponding Author)	Pakistan Journal of Zoology	National/ International (IF = 0.687)	July, 2023
8	Mutational and Evolutionary Analysis of Interleukin-2 Gene in Pakistani Goat Breeds	Pakistan Journal of Zoology	National/ International (IF = 0.687)	May, 2023
9	Cattle be in two mind states: an overview of heat stress tolerance in Cattle	Intl J Agric Biol	National	Feb, 2023
10	Insight of Polymorphic Variants of MHC Class II Antigen (BuLA-DRB3) Gene in Pakistani Buffalo	Journal of Animal and Plant Sciences	National/ International (IF = 0.70)	Jun, 2023
11	Novel Polymorphisms and Molecular Evolution of Complete Toll-like Receptor 2 Gene in Four Pakistani Sub-Tropically Adapted Cattle Breeds and Holstein Friesian (Accepted) (Corresponding Author)	Animal Gene	International	July, 2023
12	An integrative analysis of phenotypic and genetic heritability features of type 2 diabetes with variations in VDR gene: A family based study (Accepted)	Kuwait Journal of Science	International (IF = 1.4)	July, 2023
13	Exosomes in Cancer: Diagnosis Leading Therapeutics (Accepted)	Journal of Cancer Control and Screening	International	July, 2023
14	Sociodemographic and Genetic Determinants of Non-Alcoholic Fatty Liver Disease in Type 2 Diabetes Mellitus Patients	Journal of Genetic Engineering and Biotechnology	International	May, 2022
15	Surveillance and assessment of risk factors for Avian orthoavulaviruse 1 from live bird retail stalls in Lahore district of Pakistan. (Corresponding Author)	Avian disease	International (IF = 1.602)	August, 2022
16	Isolation of Avian Orthoavulaviruses-1 from Caged Birds in Lahore District, Punjab. (Corresponding Author)	Acta Veterinaria Hungarica	International (IF = 0.959)	Feb, 2022
17	Genetic polymorphism in the mitochondrial D-loop of Oriental White-backed Vultures (<i>Gyps bengalensis</i>)	Ornis Hungarica	International	June, 2022
18	Distribution of Genetic Variations and Protein Domains Architecture of Toll-like Receptor2 Gene in Nari Master Cattle.	Pakistan Journal of Agriculture Sciences	National/ International (IF = 0.856)	2022

	(Corresponding Author)			
19	CTLA-4 gene polymorphism: an important predictor of T1D	Immunobiology	International	June, 2022
20	Distribution of Genetic Variations in Toll-like Receptor 2 gene of Native Red Sindhi Cattle Breed. (Corresponding Author)	Journal of Plant and Animal Sciences	National/ International (IF = 0.7)	2022
21	Interferon- α -A (IFN- α -A) Diversity in Domestic Yak (<i>Bos grunniens</i>) of Pakistan.	Veterinarska stanica	International	Jan, 2022
22	Tharparker Blue Peafowl (<i>Pavo cristatus</i>) Genetic Architecture; Explored by Mitochondrial DNA Control Region.	Pakistan Journal of Zoology	National/ International (IF = 0.687)	December, 2022
23	Genomic and Biological Characteristics of Avian Orthoavulavirus-1 strains Isolated from Multiple Wild Birds and Backyard Chickens in Pakistan. (Corresponding Author)	Tropical Animal Health and Production	International (IF = 1.893)	Sept, 2021
24	Novel Polymorphisms in Coding Region of Heat Shock Protein 70.1 Gene in Subtropically Adapted Red Sindhi Cattle Breed.	International Journal of Agriculture and Biology	National/ International	2021
26	Microsatellite marker based genetic diversity in Mareecha and Barela breeds of dromedary camel from Pakistan.	Veterinarska Stanica	International	2021
27	Mitochondrial Phylogeny and Population Structure of Pakistani Dromedary Camel.	International Journal of Agriculture and Biology	National/ International	2021
28	Prion Protein Gene Shows Low Sequence Diversity in Wild Punjab Urial from Pakistan.	Pakistan journal of Zoology	National/ International (IF = 0.687)	2021
29	Molecular Phylogeny and Genetic Diversity of Domestic Yaks (<i>Bos grunniens</i>) in Pakistan based on Mitochondrial and Microsatellite Markers	Veterinarska Stanica	International	2021
30	Genetic Evaluation of Rajanpuri Goat by Complete mtDNA Displacement Region and Microsatellite Markers.	Veterinarska Stanica	International	2021
31	Investigation of oxidative stress enzymes and histological alterations in tilapia exposed to chlorpyrifos.	Environmental Science and Pollution Research	International (IF = 5.8)	2020
32	Detection of genetic variations in pattern recognition receptor (PPR) gene of Tharparkar cattle breed.	Pakistan Veterinary Journal	National/ International (IF = 2.3)	2020
34	Seroprevalence of <i>Toxoplasma gondii</i> and associated hematological alterations in small ruminants of D.G. Khan district of Southern Punjab, Pakistan	Arquivo Brasileiro de Medicina Veterinária e Zootecnia	International (IF = 0.4)	2020

35	Association of Interleukin 17F with Arthritis in Punjabi Families of Pakistan.	Journal of Bioresource Management	International	2020
36	Molecular analysis of Staphylococcus aureus isolated from infected dairy goats.	Thai J Vet Med	International (IF = 0.439)	2020
37	Sequence-Based Structural and Evolution of Polymorphisms in Bovine Toll-Like Receptor2 Gene in Dhanni and Jersey Cattle Breeds. Genetic polymorphisms in bovine TLR2. (Corresponding Author)	Russian Journal of Genetics	International (IF = 0.691)	2020
38	Polymorphic Variation and Phylogeny of the Myostatin Gene in Wild Punjab Urial (Ovis vignei punjabiensis)	Pure and Applied Biology	National	2020
39	Isolation and Genetic Characterization of Virulent Strains of Avian Avulavirus-1 from Multiple Avian Species in Azad Jammu and Kashmir 2017-18. (Corresponding Author)	Brazilian Journal of Microbiology	International (IF = 2.214)	2020
40	Identification of three Cyprinidae family members through Cytochrome Oxidase I.	Pakistan Journal of Zoology	National/ International (IF = 0.687)	2020
42	Determination of Genetic Variations in Bovine Toll-Like Receptor 2 Gene in Native Achai and Lohani cattle breeds of Khyber Pakhtunkhawa, Pakistan. Accepted in (Corresponding Author)	Pakistan Journal of Zoology	National/ International (IF = 0.687)	2020
43	The Emergence of Avian Orthoavulavirus 13 in Wild Migratory Waterfowl in China Revealed the Existence of Diversified Trailer Region Sequences and HN Gene Lengths within this Serotype.	Viruses	International (IF = 5.818)	2019
44	Immunoprotective role of live LaSota vaccine under immunosuppressive condition in birds challenge with virulent AAvV-1 virus. (Corresponding Author)	Tropical Animal Health and Production	International (IF = 1.893)	2019
45	Enhanced phylogenetic resolution among closely related Newcastle disease viruses using unbiased Next generation sequencing of formalin-fixed paraffin-embedded chicken tissues.	Virus Gene	International (IF = 2.198)	2019
46	Isolation and characterization of avian influenza H9N2 viruses from different avian species in Pakistan 2016-2017. (Corresponding Author)	Avian Disease	International (IF = 1.602)	2019
47	Pathotyping and Genetic Characterization of Avian Avulavirus-1 and Low Pathogenicity H9N2 Avian Influenza Viruses Isolated from Punjab, Pakistan.	Pakistan Journal of Zoology	National/ International (IF = 0.687)	2019
48	Pathotyping and genetic characterization of Avian Avulavirus-1 from domestic and	Archives of Virology	International (IF = 2.7)	2018

	wild waterfowl, geese and black swans in Pakistan, 2014 to 2017. (Corresponding Author)			
49	Comparison of Protection and Viral Shedding Following Vaccination with Newcastle Disease Virus strains of different genotypes used in vaccine formulation. (Corresponding Author)	Tropical Animal Health and Production	International (IF = 1.893)	2018
50	Molecular Characterization and Phylogenetic Analysis of Fowl Adenoviruses Isolated from Commercial Poultry Flocks in Pakistan during 2014-15. (Corresponding Author)	Pakistan Journal of Zoology	National/ International (IF = 0.687)	2018
51	Draft Genome sequences of three Ochrobactrum spp. isolated from different avian hosts in Pakistan.	Genome Announcement	International	2018
52	Oculocutaneous Albinism in Pakistan: A review	Journal of Cancer Science and Therapy	International	2018
53	Repeated isolation of virulent Newcastle disease viruses in poultry and captive non-poultry avian species in Pakistan from 2011 to 2016.	Preventive Veterinary Medicine	National/ International (IF = 3.372)	2017
54	Complete genomic analysis of Newcastle Disease Virus of a recent panzootic isolated from vaccinated poultry flock in 2014 in Pakistan.	Journal of Animal and Plant Sciences	National/ International (IF = 0.7)	2017
55	New sub-genotypes of virulent avian paramyxoviruses 1 from pigeons co-circulate in Eastern Europe, Asia, and Africa.	BMC Veterinary Research	International (IF = 2.792)	2017
56	A robust and cost-effective approach to sequence and analyze complete genomes of small RNA viruses.	Virology Journal	International (IF = 5.913)	2017
58	Complete Genome Sequence of a Velogenic Newcastle Disease Virus isolated from Clinically Healthy Exotic Parakeet (Melopsittacus undulatus) in Pakistan.	Genome Announc	International	2017
59	Molecular Effects of Polymorphism in the 3'UTR of Osteopontin Gene in Riverine Buffalo.	Pakistan Journal of Zoology	National/ International (IF = 0.687)	2017
60	Characteristic features of IFN- α gene of MHC-I in Beetal goat breed of Punjab, Pakistan.	The Journal of Animal and Plant Sciences	National/ International (IF = 0.7)	2017
61	Association between the Catechol-O-Methyl Transferase Gene and Obsessive Compulsive Disorder: A Case Control Study.	Pakistan Journal of Zoology	National/ International (IF = 0.687)	2017
62	Risk factors assessment and molecular characterization of Theileria in small ruminants of balochistan.	The Journal of Animal & Plant Sciences	National/ International (IF = 0.7)	2017
63	Vitamin D Receptor Gene Polymorphism	International	International	2017

	influences the T1D onset in Juveniles of Pakistan: A Case Control Study. International Journal of Genomics.	Journal of Genomics	(IF = 2.758)	
64	c-Myc has Altered Expression in Canine and Feline Tumors.	Pakistan J. Zool.	National/ International	2017
65	H9N2 Low pathogenic avian influenza in Pakistan (2012-2015).	Veterinary Record Open		2016
66	Control Region and Cytochrome b Gene based Phylogeny of Kail Sheep Breed of Azad Jammu and Kashmir: Implications towards Conservation.	Journal of Animal & Plant Sciences	National/ International (IF = 0.7)	2016
67	Complete genome sequence of a virulent Newcastle disease virus strain isolated from a clinically healthy duck (Anas platyrhynchos domesticus) in Pakistan.	Genome Announc	International	2016
68	Complete genome sequence of genotype VI Newcastle disease viruses isolated from pigeons in Pakistan.	Genome Announc	International	2016
69	Feline Mammary Tumors Show Altered COX-2 and BRCA1 Expression.	Pakistan Journal of Zoology	National/ International (IF = 0.687)	2016
70	Microsatellite Markers Based Genetic Evaluation of Pakistani Cattle Breeds.	Pakistan Journal Zoology	National/ International (IF = 0.687)	2016
71	COX-2 and BRCA1 have altered expression profile in different canine tumors.	J. Anim. Plant Sci.	National/ International (IF = 0.7)	2016
72	Allele and Haplotype diversity of 17 Y-STRs loci in Northern region Pashtun (Pathans) population of Pakistan. (Corresponding Author)	Australian Journal of Forensic Science	International (IF = 1.21)	2016
73	Complete genome sequence of newly emerging virulent Newcastle disease virus isolated from chickens in Pakistan.	Genome Announcements	International	2015
74	Emergence of New Sub-Genotypes of Virulent Newcastle Disease Virus with Panzootic Features	Infection, Genetics and Evolution	International (IF = 4.393)	2015
75	Presence of Virulent Newcastle Disease Virus in Vaccinated Chickens Farms	Journal of Clinical Microbiology	International (IF = 11.667)	2015
77	Mitochondrial Cytochrome-B And D-Loop Sequence Based Genetic Diversity In Mareecha And Bareela Camel Breeds Of Pakistan.	J. Anim. Plant Sci	National/ International (IF = 0.7)	2015
78	Assessment of genetic diversity in Balochi and Rakhshani sheep breeds of Balochistan using microsatellite DNA markers.	Journal of Animal and Plant Sciences	National/ International (IF = 0.7)	2014
79	Assessment of Genetic Diversity in Kail sheep breed of Azad Jammu and Kashmir, Pakistan using microsatellite markers.	Journal of Animal and Plant Sciences	National/ International (IF = 0.7)	2014
80	Phylogeny of Pakistani cattle breeds using	Pakistan Journal	National/	2014

	mitochondrial cytochrome b gene.	of Zoology	International (IF = 0.687)	
81	The Future prospective of Genomic Biotechnology in animal breeding “their Potential for livestock production in Pakistan. (Corresponding Author)	The Journal of Animal & Plant Sciences	National/ International (IF = 07)	2013
82	Biological and Molecular Characterization of Newcastle Disease Virus Through Haemagglutinin-neuraminidase Gene Isolated from Lahore District.	Journal of Infection and Molecular Biology	National	2013
83	Biotechnological Approaches for Better Buffalo Production. Invited paper	Buffalo Bulletin	International (IF = 0.20)	2013
84	Genomic Exploration of Pakistani Buffalo-our Black Gold.	Buffalo Bulletin	International (IF = 0.20)	2013
85	High conservation of SRY gene in Buffalo compared to other Bovids.	Buffalo Bulletin	International (IF = 0.20)	2013
86	Microsatellite markers based Genetic Diversity Analysis in Damani and Nachi Goat Breeds of Pakistan.	Pakistan Veterinary Journal	National/ International (IF = 2.3)	2013
87	Evolution of Newcastle disease virus: Disease appraisal with global and Pakistan perspective.	J. Inf. Mol. Biol	National/ International	2013
88	L-carnitine of red meat consumption contributes less in heart diseases progression as compared to low expressed PPAR α leading to activation of mTOR1C.	International Journal of Advanced Research	National/ International	2013
89	Effect of different vaccination routes using live vaccine against Newcastle Disease on lymphoid organs of Broiler Chickens.	Journal of Infection and Molecular Biology	National/ International	2013
90	Microsatellite marker based genetic diversity among four varieties of Pakistani Aseel Chicken.	Pakistan Veterinary Journal	National/ International (IF = 2.3)	2012
91	Genetic Study of USH1C/DFNB18 by linkage analysis.	Asian Journal of Pharmaceutical and Biological Research	International	2012

Paper Presented

S. No	Title of Paper	Name of Conference	National/ International	Date
1	Invited Speaker: The Ongoing Research Activities on Yak at Virtual University of Pakistan	The YAK (Bos Grunniens) Lifeline in High Mountains, Lahore	National/ International	18 th March 2021
2	Molecular characterization of Newcastle disease virus in Pakistan	1st National student conference on biological	National	(27-28 March, 2014)

			sciences in NIBGE		
3	Genomic, Epidemiological and Biological characterization of Newcastle Disease Virus from Pakistan		37 th All Pakistan Science Conference held at main campus, PCSIR, Lahore	National/ International	16 th to 17 th Nov. 2015.
Books Authored/ Edited					
S. No	Name of book			Publisher	ISBN
	Nil				
Work Experience					
S. No	From (year)	To (year)	Name of the Institution/ Organization	Position held	
1	2021	Continue	Department of Biotechnology, BUIITEMS, Quetta	Assistant Professor	
2	2018	2021	Department of Biotechnology, Virtual University of Pakistan	Assistant Professor	
3	2017	2018	Department of Biotechnology, Virtual University of Pakistan	Lecturer	
4	2013	2017	Institute of Biochemistry and Biotechnology, UVAs, Lahore	Research Associate	
5	2009	2013	Quality Operations Laboratories, UVAS, Lahore	Research Associate	
Area of specialization			Molecular Virology, Human and Animal Genetics		
Research Interest			Virology and Genetics		
Future Research Plans			Genetics and Vaccination		
HEC Approved supervisor			-		
If Yes, provide HEC URL			-		
Research grants/ Projects			<ol style="list-style-type: none"> 1. Preparation of effective vaccine against Newcastle disease using Recombinant DNA technology and study their efficacy in chickens 2. Host Innate Immune Responses of Chicken, Ducks and Pigeons Infected with Avian Avulavirus-1s of Different Pathogenicity 3. Exploring the Genomic Potentials of Yak (<i>Bos grunniens</i>) from high altitudes of in Pakistan through Next Generation Sequencing; A Pilot Project 		
Additional Information					

Dr. Abdul Wajid is working as Assistant Professor at the Department of Biotechnology, BUIITEMS, Quetta. He is keen interest in the field of molecular virology, human and animal genomics. He is molecular virologist with research experience on infectious diseases mainly focus on Paramyxovirus and Orthomyxovirus of domestic and wild origin. His key interests are evaluation of vaccines, epidemiology, virus-host interactions and characterization of pathogens of animal and public-health concern. He is also trained in studying association of genetic diversity with performance and production potential of domesticated species. He is actively involved in academics and research activities in collaboration with several national and international institutes worldwide. He has published/accepted >100 research article, Impact factor > 100, 1003 citations, h-index of 16 and i10-index 21. He has been working as PI, Co-PI, Team Member and Research Associate in various research Projects on virology, human and animal's genetics. He has supervised >40 MS students and several MS and PhD students working under his supervision and co-supervision. With this summary, Dr. Abdul Wajid is committed to further continue in the area of his background expertise that includes but not limited to surveillance and epidemiology of the infectious disease, molecular characterization of pathogens of veterinary and public health importance and human/animal genomics.

Google Scholar: <https://scholar.google.com.pk/citations?user=Kjdiz6wAAAAJ&hl=en>

Researchgate: https://www.researchgate.net/profile/Abdul_Wajid14