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Designation	Assistant Professor			
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Qualification				
Year	Degree/Certificate	Name of the Institute/ University	Field of study	
2022	Post Doctorate	University of the Edinburgh, UK	Molecular Biology	
2016	PhD	University of the Punjab, Lahore	Molecular Biology	
2010	MS	COMSATS Institute of Information Technology, Islamabad	Microbiology	
2008	Graduation	BUITEMS	Biotechnology	
Publications in HEC Recognized journals				
S. No	Title of Paper	Name of Journal	National/ International	Publication date
1	Expression of Chitinase and shRNA Gene Exhibits Resistance to Fungi and Virus	Genes	International	2023/5
2	Transgenic maize inbred lines expressing high levels of Bacillus thuringiensis vegetative insecticidal protein (Vip3Aa86) offer effective control of maize stem borer (Chilo partellus)	Plant Cell, Tissue and Organ Culture (PCTOC)	International	2023/5
3	The development of cost effective 100 base pair prototype DNA ladder using polymerase chain reaction	Advancements in Life Sciences	National	2023/4
4	Silencing a Myzus persicae Macrophage Inhibitory Factor by Plant-Mediated RNAi Induces Enhanced Aphid Mortality Coupled with Boosted RNAi Efficacy in Transgenic Potato Lines	Molecular Biotechnology	International	2022/10

5	Characterization and survival of broad-spectrum biocontrol agents against phytopathogenic fungi	Revista Argentina De Microbiología	International	2022/7
Paper Presented				
S. No	Title of Paper	Name of Conference	National/ International	Date
1	Expression of Chitinase and shRNA Gene Exhibits Resistance to Fungi and Virus	International conference on advances in biological Sciences (ICABS-2023)	International	06-08th March 2023
Books Authored/ Edited				
S. No	Name of book	Publisher	ISBN	
	NA	NA	NA	
Work Experience				
S. No	From (year)	To (year)	Name of the Institution/ Organization	Position held
1	Feb-2018	Till date	BUIITEMS	Assistant Professor
2	Jan-2017	Jan-2018	Hazara University	Assistant Professor
3	Feb-2010	Nov-2013	Auriga Chemical Enterprises	Microbiology
Area of specialization		Plant-Microbe Interaction		
Research Interest				
Future Research Plans				
HEC Approved supervisor		Yes		
If Yes, provide HEC URL		https://www.hec.gov.pk/english/scholarshipsgrants/ASA/Pages/AP S-EPORTAL.aspx		
Research grants/ Projects		1. Development and commercialization of transgenic potato lines tolerant to fungi and viruses (8.28 Million PKR; Completed). 2. Development and commercialization of broad spectrum bio formulated fungicide (2.441 Million PKR; Completed). 3. Complete genome sequence of PVX isolate of Pakistan (0.492 Million PKR; Completed).		