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Designation		Assistant Professor		
Department		Department of Microbiology		
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Qualification				
Year	Degree/Certificate	Name of the Institute/ University	Field of study	
	PhD	University of The Punjab, Lahore, Pakistan	Microbiology and Molecular Genetics	
	MS/ Mphil	University of the Punjab, Lahore, Pakistan	Microbiology and Molecular Genetics	
	Graduation	BUITEMS, Quetta	Biotechnology and Informatics	
Publications in HEC Recognized journals				
S. No	Title of Paper	Name of Journal	National/ International	Publication date
1	Waterborne Escherichia coli: Biosafety and Screening as Plant Growth Promoting Rhizobacteria	<i>Journal of Pure and Applied Microbiology</i>	International	October, 2014
2	Science, Scientists and Economic Growth	<i>Journal of Science, Technology, and Development</i>	National	2014
3	The Microbiological quality of Ice used to cool juices and food items in Lahore	<i>International Journal of Microbiology and Allied Sciences</i>	International	February, 2015
4	Halotolerant rhizobacteria: Beneficial plant metabolites and growth enhancement of <i>Triticum aestivum L.</i> in salt amended soils	<i>Archive of Agronomy and Soil Sciences</i>	International	April, 2015
5	Knowledge,	<i>Pak J Public Health</i>	National	June, 2015

	Attitude and Practice of Pesticides Handlers in Pakistan			
6	Microbiological biosafety multiple drug resistance and functional diversity of bacteria associated with the surface of raw vegetables	<i>Iran Journal Public Health</i>	International	March, 2017
7	Auxin production by rhizobacteria was associated with improved yield of wheat (<i>Triticum aestivum</i> L.) under drought stress	<i>Archive of Agronomy and Soil Sciences</i>	International	August, 2017
8	Phylogenetic diversity of drought tolerant <i>Bacillus</i> spp. and their growth stimulation of <i>Zea mays</i> L. under different water regimes.	<i>Research Journal of Biotechnology</i>	International	October, 2017
9	"Microbial inhabitants of agricultural land have potential to promote plant growth but they are liable to traditional practice of wheat (<i>T. aestivum</i> L) straw burning.	<i>Biocatalyst and Agricultural Biotechnology</i>	International	March, 2019
10	Prevalence of G6PD Deficiency In Newborns of Local Community of Quetta	<i>World Journal of Pharmaceutical and Medical Research</i>	International	June, 2019
11	Genomic and biological characteristics of Avian Orthoavulavirus-1 strains isolated from multiple wild birds and backyard chickens in Pakistan	<i>Tropical Animal Health and Production</i>	International	March, 2021
12	Characterization and survival of broad-spectrum biocontrol agents against phytopathogenic fungi	<i>Revista Argentina de microbiología</i>	International	March, 2022
13	Characterization of broad-spectrum biocontrol efficacy of <i>Bacillus velezensis</i> against <i>Fusarium oxysporum</i> in <i>Triticum aestivum</i> L.	<i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i>	International	March, 2022
14	The Microphenotron: a novel method for screening plant growth-promoting rhizobacteria	<i>PeerJ</i>	International	May, 2022
15	Epidemiology of Obesity in Asia: Challenges and Prevention	<i>Advancements in Life Sciences</i>	National	July, 2022
16	Surveillance and Assessment of Risk Factors for Newcastle Disease Virus from Live Bird Retail Stalls in Lahore District of Pakistan	<i>Avian Diseases</i>	International	August, 2022
Paper Presented				

S. No	Title of Paper	Name of Conference	National/ International	Date
1	Hands-on Training on modern Techniques in Research on Abiotic Stress Tolerance in Plants in NIAB, Faisalabad, Pakistan	Hands-on Training on modern Techniques in Research on Abiotic Stress Tolerance in Plants	National	21-24 th Feb, 2012
2	International Conference on Nonmaterial and Nano-ethics	International Conference on Nonmaterial and Nano-ethics, COMSATS, Lahore Campus, Lahore, Pakistan.	International	December 01-03, 2011,
3	Prevalence of Glucose-6-Phosphate Dehydrogenase deficiency in Baluchistan	32 nd Pakistan Congress of Zoology (International)	International	September, 2015
4	Recent Advancement in Stem Cell Research	International conference on Recent Advancement in Stem Cell Research	International	December, 2015
5	Plant Growth promoting rhizobacteria: From Lettice to Micro-Tom Tomato	11 th Biennial Conference “Molecular Biosciences- Challenges and Opportunities”	International	November, 2015
6	Auxin production and ACC-deaminase activity of <i>Pseudomonas</i> and their phytostimulatory effect on <i>Vigna mungo</i> (L.) Hepper	International Science Conference on Agriculture and Food Security y Issues in Global Environmental Perspectives	International	July, 2012
7	Chemical Biosafety for the Young Scientists	Biosafety Training	National	June, 2015

		Workshop for Young Scientists, University of Agriculture Faisalabad		
8	Halotolerant Rhizobacteria, Molecular Characterization and its Application in Stress alleviation of crop plants	International Conference on Trends and Prospects in Molecular Biosciences	International	October, 2017
9	Auxin production by rhizobacteria was associated with improved yield of <i>Triticum aestivum</i> L. under drought stress	International Conference on Conventional and Modern Approaches in Plant Sciences	International	November, 2017
10	Biofertilizers: Field Evaluation and Selection of Rhizobacterial Inoculants for the Enhancement of Wheat”	One Day Seminar In Department Biological Sciences, School of Life University of Management and Technology, Lahore	National	December, 2018

Books Authored/ Edited

S. No	Name of book	Publisher	ISBN
1	Sustainable Agriculture: Nanotechnology, Biotechnology, and Management	Chapter accepted	

Work Experience

S. No	From (year)	To (year)	Name of the Institution/ Organization	Position held
1	2010	2011	Health Department, Govt. of Punjab, Lahore	Internee, Under National Internship Program
2	2011	2011	Department of Microbiology and Molecular Genetics, University of The Punjab, Lahore	Visiting Lecturer
3	07-01-2013	04-07-2013	Lancaster Environment Center, University of Lancaster, United Kingdom	Visiting Researcher
4	2015	2017	Superior College University, Lahore	Visiting Lecturer
5	2018	2019	Virtual University of Pakistan, Lahore	Lecturer

6	07-05-2019	29-09-2019	Virtual University of Pakistan, Lahore	Assistant Professor
7	30-09-2019	To Date	Department of Microbiology, BUITEMS	Assistant Professor
Area of specialization			Microbiology and Molecular Genetics	
Research Interest			Microbiology and Molecular Genetics	
Future Research Plans			Microbiology, Molecular Genetics, Stress Biology	
HEC Approved supervisor			yes	
If Yes, provide HEC URL			<i>e.g.</i> http://sc.hec.gov.pk/aphds/	
Research grants/ Projects				
Additional Information				
Fellowships and Awards				
<ul style="list-style-type: none"> • Higher Education Commission awarded Scholarship for Ph.D. Studies under Indigenous 5000 Ph.D. Fellowship program (PIN NO. 106-2381-Bm6-133). • Research Fellowship to visit Lancaster Environment Center, University of Lancaster, United Kingdom by Higher Education Commission under International Research Support Program (IRSIP) (IRSIP No. 1-8/HEC/HRD/2012/2586). 				
MEMBER				
<ul style="list-style-type: none"> • Pakistan Microbiology Society • American Society of Microbiology (ASM) • Linkage Coordinator of the National Academy of Young Scientists (NAYS), Pakistan • Member Executive Council, National Academy of Young Scientists (NAYS), Pakistan 				
AREA OF RESEARCH				
<p>PhD Thesis title: “Plant Growth Promoting Potential of Rhizobacteria under Abiotic Stress” in Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore, Pakistan. In future, research interests particularly about development and commercialization of these rhizobacteria as a bio-fertilizers.</p> <p>My research interest in the field of rhizobiology i.e., Isolation and Identification Plant Growth Promoting rhizobacteria under different abiotics stress condition, their screening on the basis of phytohormone production and ACC deaminase activity. I have also much more interested in advance Molecular aspects of rhizobacteria, such as gene responsible to stress tolerance and proteomics studies.</p> <p>BS research thesis title was “Prevalence of Obesity in Baluchistan”</p>				