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Designation	Assistant Professor			
Department	Microbiology			
Faculty	Life Sciences and Informatics			
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Qualification				
Year	Degree/Certificate	Name of the Institute/ University	Field of study	
2017	Post Doctorate	Zhejiang University, P.R. China	Genomics & Biotechnology	
2014	PhD	Zhejiang University, P.R. China	Plant Pathology/ Applied Microbiology	
2011	MS/ Mphil	Quaid-i-Azam University, Islamabad, Pakistan	Biotechnology	
2009	Graduation	BUITEMS, Quetta, Pakistan	Biotechnology & Informatics	
Publications in HEC Recognized journals				
S. No	Title of Paper	Name of Journal	National/ International	Publication date
1	Systematic study of the stress-responsive Rboh gene family in <i>Nicotiana tabacum</i> : Genome-wide identification, evolution and role in disease resistance	Genomics	International (IF: 3.327)	August 2019
2	Cadmium phytotoxicity: issues, progress, environmental concerns and future perspectives.	Revista de la Facultad de Ciencias Agrarias	International (IF: 1.158)	August 2019
3	Recent Trend of Genome-Wide Multigene Family Analysis and Their Role in Plant Drought Tolerance	Annals of Agricultural & Crop Sciences	International	July 2019
4	Genome-wide identification, evolution and expression analysis of cyclic nucleotide-gated channels in tobacco (<i>Nicotiana tabacum</i> L.)	Genomics	International (IF: 3.327)	March 2019
5	Evolutionary and expression analysis of CAMTA gene family in <i>Nicotiana tabacum</i> yielded insights into their origin, expansion and stress responses	Scientific reports	International (IF: 4.525)	

6	Rhizosphere-associated <i>Alcaligenes</i> and <i>Bacillus</i> strains that induce resistance against blast and sheath blight diseases, enhance plant growth and improve mineral content in rice	Journal of Applied Microbiology	International (IF: 2.683)	March 2018
7	Comprehensive genomic analysis of the CNGC gene family in <i>Brassica oleracea</i> : novel insights into synteny, structures, and transcript profiles	BMC genomics	International (IF: 3.73)	December 2017
8	A consortium of rhizobacterial strains and biochemical growth elicitors improve cold and drought stress tolerance in rice (<i>Oryza sativa</i> L.)	Plant Biology	International (IF: 2.156)	May 2016
9	Multiplex PCR assay for simultaneous detection of six major bacterial pathogens of rice	Journal of applied microbiology	International (IF: 2.683)	May 2016
10	Palynological Studies of Genus <i>Draba</i> L. In.: <i>Brassicaceae</i>) From Pakistan	BAOJ Biotech	International	April 2016
11	Gene expression of type VI secretion system associated with environmental survival in <i>Acidovorax avenae</i> subsp. <i>avenae</i> by principle component analysis	International journal of molecular sciences	International (IF: 4.183)	September 2015
12	Genome-wide Association Mapping of Quantitative Trait Loci (QTLs) for Contents of Eight Elements in Brown Rice (<i>Oryza sativa</i> L.)	Journal of agricultural and food chemistry	International (IF: 3.154)	September 2015
13	Controlling bacterial leaf blight of rice and enhancing the plant growth with endophytic and rhizobacterial <i>Bacillus</i> strains	Toxicological & Environmental Chemistry	International (IF: 3.179)	July 2015
14	Bioinformatics study of Tocopherol biosynthesis pathway genes in <i>Brassica rapa</i>	Int. J. Curr Microbiol. App Sci	International	February 2015
15	Cyclic nucleotide-gated ion channel gene family in rice, identification, characterization and experimental analysis of expression response to plant hormones, biotic and abiotic stresses	BMC genomics	International (IF: 3.73)	December 2014
16	Utilization of plant materials for control of soybean cysts nematode	Acta Agriculturae Scandinavica, Section B—Soil & Plant Science	International (IF: 0.81)	July 2014
17	Thidiazuron induced plant regeneration in <i>Brassica rapa</i> var. Turnip via seed derived calli induction and radical scavenging activity	Sarhad Journal of Agriculture	National	June 2014
18	Tomato plant growth promotion and antibacterial related-mechanisms of four rhizobacterial <i>Bacillus</i> strains against <i>Ralstonia solanacearum</i>	Symbiosis	International (IF: 2.009)	June 2014
19	A novel rhizobacterium Bk7 for biological	European journal	International	April 2014

	control of brown sheath rot of rice caused by <i>Pseudomonas fuscovaginae</i> and its mode of action	of plant pathology	(IF: 1.744)	
20	Characterizing the mode of action of <i>Brevibacillus laterosporus</i> B4 for control of bacterial brown strip of rice caused by <i>A. avenae</i> subsp. <i>avenae</i> RS-1	World Journal of Microbiology and Biotechnology	International (IF: 2.652)	February 2014
21	<i>Draba ishkomania</i> (<i>Brassicaceae</i>), a new addition to flora of Pakistan	Sarhad Journal of Agriculture	National	June 2013

Paper Presented

S. No	Title of Paper	Name of Conference	National/ International	Date
1	Suppression of Rice Blast and Sheath Blight Diseases by <i>Alcaligenes faecalis</i> , a new biocontrol agent with multiple modes of action	3rd World Congress and Expo on Applied Microbiology, Dubai, UAE	International	November 07-09, 2016
2	Plant regeneration from seed derived callus of medicinally important <i>Brassica rapa</i> var.	12th National and 3rd International Conference of Botany, Islamabad, Pakistan	International	September 01-03, 2012
3	Effects of thidiazuron on in vitro plant regeneration and radical scavenging activity in <i>Brassica rapa</i> var. <i>turnip</i>	12th National and 3rd International Conference of Botany, Islamabad, Pakistan	International	September 01-03, 2012
4	<i>Draba sherwalii</i> (<i>Brassicaceae</i>), a new addition to flora of Pakistan	12th National and 3rd International Conference of Botany, Islamabad, Pakistan	International	September 01-03, 2012
5	Effects of thidiazuron on the in vitro plant regeneration and radical scavenging activity in <i>Brassica rapa</i> var. <i>turnip</i>	SAARC Regional Conference on New Frontiers in Agricultural Genomics and Biotechnology, Islamabad	International	June 6, 2012
6	Status of genus <i>Draba</i> in Pakistan. A critical view	National Symposium on Biodiversity of Pakistan, Islamabad	National	June 7-9, 2011
	<i>Lespedeza bicolor</i> , a new record from Pakistan	2nd international conference of plant scientists, Lahore, Pakistan	International	February 22 - 24, 2011
	<i>Draba gilgitica</i> a new taxon from Pakistan	2nd International Conference,	International	December 29-31, 2010

			Biodiversity is our life (IC Bio our life), Khairpur (Mirs), Sindh Pakistan		
Books Authored/ Edited					
S. No	Name of book			Publisher	ISBN
1	Cosmetic Herbs			LAP Lambert Academic Publishing	ISBN 978-3-8484-4307-9
2	Plant Cyclic Nucleotide-Gated Channels: Methods and Protocols			Springer Nature	
Work Experience					
S. No	From (year)	To (year)	Name of the Institution/ Organization	Position held	
1	February 2019	September 2019	BUIITEMS, Quetta	Assistant Professor (IPFP)	
2	2015	2019	Guizhou Academy of Tobacco Science & Molecular Genetics, Guiyang, P.R. China	Foreign Expert Scientist	
3	2012	2013	Dr. Pan's English Academy, Yiwu, P.R. China	Lecturer	
4	2009	2010	Benazir Bhutto Hospital, Rawalpindi, Pakistan	Pathologist	
Area of specialization			Genomics, Plant Pathology, Biotechnology, Plant Tissue Culture, Biological control		
Research Interest			Applied Genomics, Applied Biotechnology, Applied Microbiology, Genetic & Infectious diseases, Computational Biology		
Future Research Plans			To attract International and national funding and collaborators for research projects in the areas of Applied Biotechnology and Applied Microbiology.		
HEC Approved supervisor			Yes		
If Yes, provide HEC URL			https://www.hec.gov.pk/english/scholarshipsgrants/ASA/Pages/APS-EPORTAL.aspx (APP_ID 31592)		
Research grants/ Projects			Under-scrutiny		
Additional Information					