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Designation		Professor/ Director ORIC		
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Qualification				
Year	Degree/Certificate	Name of the Institute/ University	Field of study	
	PhD	University of Glasgow, U.K.	Plant Stress Physiology	
	MS/ Mphil	Sindh Agriculture University, Tandojam, Pakistan.	Plant Breeding and Genetics	
	Graduation	Univ. of Agriculture, Faisalabad, Pakistan.	Plant Breeding and Genetics	
Publications in HEC Recognized journals				
S. No	Title of Paper	Name of Journal	National/ International	Publication date
1	Amplification of Mitochondrial DNA for detection of <i>Plasmodium vivax</i> in Balochistan.	Pakistan Journal of Medical Association	International	2016
2	Prevalence of Zoonotic Tuberculosis and Brucellosis in Animals of Quetta and Pishin Districts, Balochistan.	Pakistan J. Zoology	International	2016
3	Molecular Study on the Prevalence of Respiratory Mycoplasma Species in Small Ruminants of Kuchlak, District Quetta and Khanozai, District Pishin, Balochistan.	Pakistan J. Zoology	International	2015
4	Detection of BCR/ABL fusion gene, hematological and cytogenetical analysis of Chronic Myeloid Leukemia patients in Quetta, Pakistan.	Asian Pacific Journal of Cancer Prevention	International	2015
5	Eco physiology of seed germination in native and exotic labiates of Balochistan	Biologia	National	2014
6	Somatic Embryogenesis and Organogenesis from Somatic Embryonic Explants of <i>Pinus Geradiana</i> Wall. Ex LAMB	Journal of Applied and Emerging Sciences (JA&ES)	National	2014

7	Bacterial Community Profiles in Rhizosphere of Paddy Rice based on 16S rRNA Sequence Analysis	JA&ES	National	2014
8	Construction of expression vector pVBG2307 by adding transcription initiation and termination elements	JA&ES	National	2013
9	Impact of Phosphorus Levels on Vegetative Growth and Seed Yield of Lettuce (<i>Lactuca sativa</i> L.) Cultivars	COMU Journal of Agriculture Faculty (Turkey	International	2013
10	Earliness and Yield Performance of Sunflower Hybrids in Uplands of Balochistan, Pakistan	Pak. J. Bot	International	2013
11	Stabilization of Fresh Buffalo Milk By Activating Lactoperoxidase System	The Journal of Animal and Plant Sciences	International	2013
12	Reproductive biotechnologies in dairy industry in Pakistan	The Journal of Animal and Plant Sciences	International	2013
13	Comparative Genome/Proteome Analysis of Four Serotypes of Dengue Virus Using Bioinformatics Tools	JA&ES	National	2012
14	Tempo spatial study of the deposition of lead on <i>Pinus eldarica</i> . (Medw) around the road side of Quetta city	JA&ES	National	2006
15	Response of sunflower hybrids in Uplands of Balochistan	JA&ES	National	2006
16	Production Constraints' of Apple Production in Balochistan	JA&ES	National	2006
17	Impact of Varying Nitrogen Levels on Growth and Yield of Fennel (<i>Foeniculum vulgare</i>)	JA&ES	National	2005
18	Effect of EM on VAM Development and Subsequent Crop Growth in Canola (<i>Brassica Napus</i> L.)	JA&ES	National	2005
19	Hybrid vigor for grain yield and its components in maize crosses	Sarhad J. Agric	National	2001
20	Hybrid Vigor for seed Cotton yield and its Components in <i>Gossypium Hirsutum</i> L	Sarhad J. Agric	National	2001

Paper Presented

S. No	Title of Paper	Name of Conference	National/ International	Date
1	Assessment of the primary site of thermal injury in sassessment of the Primary Site of Thermal Injury to Photosynthesis in Temperate and Tropical C3 and C4 Plants	Annual Conference of Society of Experimental Biology in Glasgow, Scotland, UK.	International	2011
2	THERMO-TOLERANCE STUDIES ON BARLEY (<i>Hordeum vulgare</i> L.) VARIETIES FROM ARID AND TEMPERATE REGIONS	Food Security and Climate Change in Dry Areas ICARDA International	International	2010

			Conference, in Amman, Jordan.		
3	Plant Temperature Response Networks		SEB Annual Conference in Prague, Czech Republic -	International	2010
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.	May, 2014	Till Date	BUIITEMS	Professor	
2.	December, 2012	May, 2014	BUIITEMS	Associate Professor	
3.	December, 2004	December, 2012	BUIITEMS	Assistant Professor	
4.	April, 1996	December, 2004	Agriculture Research Institute Quetta, Department of Agriculture and Cooperatives, Government of Balochistan.	Research Officer	
Additional Responsibilities					
S. No	From (year)	To (year)	Name of the Institution/ Organization	Position held	
1.	June, 2014	Till Date	BUIITEMS	Director, Office of Research, Innovation and Commercialization (ORIC)	
2.	September, 2012	Till Date	BUIITEMS	Administrator, Chiltan Campus	
3.	July, 2006	May, 2007	BUIITEMS	Project Director, (BPS-19), Carnation Development Project	
Area of specialization			Plant Stress Physiology, Plant Tissue Culture		
Research Interests			Effects of environmental stress on plant membranes. Physiological, biochemical and molecular / genetic approaches to determine how environmental stress factors affect plant membranes.		
Future Vision			To evolve abiotic stress tolerant crop plants and develop techniques where high value low delta crops can be multiplied and grown with minimum amount of irrigational water.		
Expertise			<ul style="list-style-type: none"> Measuring photosynthetic efficiency of green intact leaves through Infra-Red Gas Analyzer (IRGA). Modulated Chlorophyll Fluorescence Measurements. 		

	<ul style="list-style-type: none"> • Metabolite Pool Analysis through Dimensional Liquid Chromatography / Mass Spectrometry (2D LC-MS). • Ion Analysis through Inductively Coupled Plasma Optical emission Spectrometer (ICP-OES).
HEC Approved supervisor	Yes / No
If Yes, provide HEC URL	<i>e.g.</i> http:// sc.hec.gov.pk/aphds/submit.asp?supid=4894
Research grants/ Projects	<p>2013-2016</p> <p>Research Proposal “DEVELOPMENT OF PLANT STRESS PHYSIOLOGY LABORATORY FOR SCREENING / SELECTION OF INDIGENOUS GERMPLASM OF CEREAL CROPS FROM ARID AREAS OF BALOCHISTAN FOR ABIOTIC STRESS TOLERANCE” approved for funding of 7.86 million by Higher Education Commission of Pakistan.</p> <p>2006-2009</p> <p>Research Project “Development of economical protocols for propagation of different varieties of carnation using tissue culture technology” funded by Higher Education Commission of Pakistan with a total cost of PKR 1.83 Million.</p> <p>2003-2006</p> <p>Research and developmental project “Development of olive propagation, production and processing in Balochistan” funded by Government of Balochistan, executed in directorate of tropical fruits Agriculture Research Institute Sariab Quetta and 6 other districts of Balochistan with a cost of PKR 30.00 Million.</p> <p>1999-2000</p> <p>Research project “Mutation breeding for enhancement of local tomato shelf life through gamma radiation” funded by World Bank, executed at vegetable botany section Agriculture Research Institute Sariab Quetta with a cost of PKR 1.20 Million.</p> <p>1997-1998</p> <p>Research project “Agronomic adaptation of true potato seed in uplands of Balochistan” funded by (Swiss Development Cooperation), executed at Vegetable seed farm Agriculture Research Institute Sariab Quetta (PKR 0.98 Million)</p>