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<b>Qualification</b>				
Year	Degree/Certificate	Name of the Institute/ University	Field of study	
2024	PhD	BUITEMS Quetta	Biotechnology & Informatics	
2016	MS	BUITEMS Quetta	Biotechnology & Informatics	
2012	BS	BUITEMS Quetta	Biotechnology & Informatics	
2012	MA	UOB	International Relations	
2007	FSC	BBISE Quetta	Pre-Medical	
2005	Metric	BBISE Quetta	Science	
<b>Selected Publications in HEC Recognized journals</b>				
S. No	Title of Paper	Name of Journal/Publisher	National/ International	Publication date
1	Genome-wide analysis of CNGC gene family in Brassica juncea (L.) Czern reveals key targets for stress resistance and crop improvement	Plant Gene/Elsevier	International	2024
2	Identification of MC4R and VCP Genetic Variants in Two Pakistani Families Showing Symptoms of Diabetes, Hyperphagia, Seizures, and Obesity	Molecular Medicine Communications	National	2023

3	Detection of two missense substitutions in gene EPM2B in patients of myoclonic epilepsy from Balochistan.	Pakistan Journal of Zoology	National	2023
4	Genome-wide identification and evolutionary analysis of CNGC gene families in sixteen Brassicaceae genomes.	Turkish journal of Botany	International	2022
5	Comparative Genomics and Evolutionary Analysis of Plant CNGCs.	Biology Methods & Protocols/ Oxford University Press	International	2022
6	BrCNGC gene family in field mustard genome-wide identification, characterization, comparative synteny, evolution and expression profiling.	Scientific reports/Nature	International	2021
7	Systematic study of the stress responsive Rboh gene family in Nicotiana tabacum: Genome-wide identification, evolution, and role in disease resistance.	Genomics/ Elsevier	International	2020
8	Recent trend of genome-wide multigene family analysis and their role in plant drought tolerance.	Ann Agric Crop Sci/Austin publishing group	International	2019
9	Genetic characterization of the Makrani people of Pakistan from mitochondrial DNA control region data.	Legal Medicine/Elsevier	International	2015

#### **Paper Presented and Abstract Published**

S. No	Title of Paper	Name of Conference	National/ International	Date
1	Genome wide identification and evolutionary analysis of CNGC gene families in sixteen Brassicaceae plant genome	5th Pak-Turk Conference on emerging technologies in the field of Sciences and Engineering	International	December 1-2, 2022
2	Genome-wide identification, characterization, comparative synteny, evolution and expression profiling of the CNGCS of Brassica juncea	3rd International Conference on Applied Biosciences (ICAB-2022)	International	December 28-29, 2022
3	Genome wide identification and evolutionary analysis of CNGC gene families in sixteen Brassicaceae plant genome	NUST Conference on Agricultural Sciences and Technology (NCAST23)	International	March 14-16, 2023

#### **Workshops and Conferences Attended**

S. No	Name of conference/workshop	Place	Date
1	Biosafety and Quality Assurance	BUIITEMS Quetta	2016

2	Professional Development Training Program	BUIITEMS Quetta	2016
3	PACE Collaborative workshops, equality, tolerance	Islamabad	2016
4	University Teaching	BUIITEMS Quetta	2017
5	Intellectual Property, Patent and Trademark	BUIITEMS Quetta	2017
6	Biosafety awareness workshop	BUIITEMS Quetta	2019
7	DICE AFS & Mega Event 2021, Focal person BUIITEMS/ Attended	MNS University of Agriculture Multan	2021
8	Training workshop on infection prevention and control, good clinical laboratory practices and patient occupational safety	BUIITEMS Quetta	2022
9	Navigating the pathways of publishing in high-quality journals	Pakistan State Universities	2023
10	How to effectively use researcher academy and Elsevier journal finder	Pakistan State Universities	2023
11	Wolters Kluwer OVID database	Online	2023
12	Biorisk management complementary training	Usmania Restaurant Quetta	2024

### Work Experience

S. No	From (year)	To (year)	Name of the Institution/ Organization	Position held
1	14 July 2016	Present	Department of Biotechnology, BUIITEMS, Quetta, Pakistan	Lecturer

### Area of specialization

Genetics, Genomics, Bioinformatics

### Research Interest

Comparative and evolutionary study on commercially cash plants

### Additional Information

- Writing columns on national Newspapers
- Paper Reviewer

BMC Genomics. BMC Plant Biology. Environmental Sciences Europe. Functional & Integrative Genomics. Journal of Plant Growth Regulation. Scientific Reports. Advances in Redox Research. Plant Molecular Biology Reporter. Genetica. Agriculture, Ecosystems and Environment. Genetic Resources and Crop Evolution

- Professional society membership

Lifetime member

Pakistan Biological Safety Association (Membership number 1021 @2019)

- Number of Students supervised.

Bachelor of Science (BS) thesis

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