



Summary

I have PhD in Plant sciences (Molecular Biology, genomics and proteomics), Senior faculty member of public sector University, Shaheed Benazir Bhutto University (www.sbbu.edu.pk) and University of Malakand (www.uom.edu.pk) with more than 17 years' experience of teaching, research and administration.

Published more than 35 research articles in well reputed local and international journals with impact factors (Total IF 26). Also conducted and organized National and international conferences, workshops and seminars organized by Quid e Azam University islam abad, PARC islam abad, Shaheed Benazir Bhutto University Sheringal and university of Malakand. Also worked as resource person for the collection and identification of wild medicinal plants and non cultivable, wild fruit plants of the projects of Pakistan Agricultural Research Centre (PARC).

I am permanent reviewer of 7 national journals and reviewed more than 20 articles of national and international status of (even impact factor) and thesis of M. Phil scholars of national universities. I am also member of the editorial board of few journals. I have taken reaserach classes with M. Phil scholars for one session and with BS and M. Sc for 17 years and supervised thesis research of BS, M. Sc and M. Phil (9 scholars) for many times.

Being senior faculty member of my university, I have been remained member of selection committee, academic council, examination committees and ASRB of the university. Also conducted board of studies and other forams being convenor and members. Also worked as Head of the department of Forestry, Botany, zoology and also worked as campus coordinator of University campus Wari.

Contact Details

Date of Birth: April 10, 1978
 Residence Status: Citizen of Pakistan
 Domicile: District Dir Lower, Pakistan
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Objective

To work as an independent researcher to chase additional research and training in order to have better skills to pursue a career in academia and research, or any other related fields

Experience

2019- till date Chairman/HOD/AP, Department of Botany, Zoology
 Shaheed BB University, University campus Wari, Dir Upper
 2018- 2019: Chairman/ HOD, Department of Botany,
 Shaheed BB University, Sheringal, Dir Upper
 2015- 2018: Lecturer, Department of Botany, Shaheed BB University,
 Sheringal, Dir upper

2014- 2015	Chairman, Biological Sciences, Sub Campus Wari Shaheed BB University, Sheringal, Dir (Upper), Khyber Pakhtunkhwa-Pakistan
2012- 2014	Coordinator, University Sub Campus Wari Shaheed BB University, Sheringal, Dir (Upper), Khyber Pakhtunkhwa-Pakistan
2009-2012	Lecturer in Botany Department of Forestry Shaheed BB University, Sheringal, Dir (Upper), Khyber Pakhtunkhwa-Pakistan
2005-2009	Chairman/ HOD, Department of Forestry University of Malakand, Dir (Lower), Khyber Pakhtunkhwa-Pakistan
2003-2004	Visiting Lecturer Govt. Degree College Timer Gara, Dir(Lower) Khyber Pakhtunkhwa-Pakistan
2001-2003	Lecturer in Botany Hira College Timer Gara, Dir (Lower) Khyber Pakhtunkhwa-Pakistan

Publications

Papers Published

No	Article name	Journal Name	Publishing detail	Impact factor / category	Authors
1.	Arbuscular Mycorrhizal Fungi (AMF) effects on growth and nutritional performance of <i>Mentha arvensis</i> L. at various levels of rock phosphate amendments	BIOSCIENCE RESEARCH	2020,17(3):1730-1742.	0.737	Tanvir Burni, Subhan Ullah, Zahid Fazal, Sakina Bibi, Ali Hazrat and Khan Sher
2.	Assessment of Induced Variability of Yield Contributing Traits in M1 Gamma Irradiated Germplasm of wheat (<i>Triticum aestivum</i> L.)	<i>Journal of Stress Physiology & Biochemistry</i>	2020; 16(2) 102-113	2.638	Amir Hasan Khan, Tabinda Newsheen, Muhammad Abdul Aziz, Sharif Ullah, Khan Sher, Ateeur Rahman, Ahmad Hassan Khan
3.	Effect of Gamma Irradiation on Yield and Yield Contributing Traits in Hybrids of Sunflower (<i>Helianthus annuus</i> L.)	<i>Journal of Stress Physiology & Biochemistry</i>	Vol. 15, No. 1, 2019, pp. 05-15 ISSN 1997-0838	2.638	Saira Naz, Muhammad Subhan, Khan Sher, Hasin Sahar, Qaisar Ali, Shakirullah Khan Shakir
4.	Bryophytes flora of Sheringal Valley, Dir Upper, Khyber Pakhtunkhwa, Pakistan	Pak. J. Weed Sci. Res	2020, 26 (1): 76-83.	Y	Ali Hazrat, Muhammad Nisar, Khan Sher
5.	effects of (vam) vesicular arbuscular mycorrhizae on growth performance of <i>mentha longifolia</i> l. At various levels of rock phosphate	FUUAST J.BIOL.,	(2018), 8(2): 311-318	X	Zahid fazal, Khan Sher, ali hazrat, muhammad subhan, mohammad nisar, and tanveer burni

amendments					
6.	Taxonomic study of Green Algae of Lower River Swat, KP, Pakistan	FUUAST Journal of Biology	(2012) Vol. 2 Issue 1, p125-130.	X	Khan Sher, Ali Hazrat
7.	effects of the root bark extract of <i>monotheca buxifolia</i> (falc.) A. Dc on antioxidant potential and seral properties of rabbit (<i>Oryctolagus cuniculus</i>)	<i>Pak. J. Weed Sci. Res.</i>	2018, 24(4): 429-438,	Y	Khan Sher, Ali Hazrat, Muhammad Nisar and Asim Muhammad.
8.	Floristic diversity and ecological characteristics of flora of Kharawo Talash, Dir lower, Khyber Pakhtunkhwa, Pakistan	BIOSCIENCE RESEARCH	2020 17(2): 681-687.	0.737	Ali Hazrat, Zubair Shah, Khan Sher, Zakia Ahmad, Shabana Bibi, Gul Rahim, Shah Zaman, Zahid Fazal, Muhammad Mukhtiar, Tabinda Newsheen, Jehan Zada and Arshad Khan
9.	Floristic Diversity And Weed Communities Of Maize, Potato And Mungnean Crops Of Kalash Valley Chitral Hindukush Range Khyber Pakhtunkhwa	<i>Pakistan Pak. J. Weed Sci. Res.,</i>	2019., 25 (2): 79-90.	Y	Zahid Fazal, Jaweria Gul, Muhammad Subhan, Khan Sher and Qasir Ali.
10.	Floristic inventory and ethnomedicinal survey of important plants of kalash valley chatral, hindukush range, Khyber pakhtunkhwa, pakistan	BIOSCIENCE RESEARCH	2020., 17(2):1233-1246.	0.737	Zahid Fazal, Khan Sher, Lal Badshah, Ali Hazrat, Hafiz Ullah, Imran Ahmad, Subhan Ullah and Sakina Bibi.
11.	Medicinal value and taxonomic study of Euphorbiaceae from Dir upper Khyber Pakhtunkhwa Pakistan	BIOSCIENCE RESEARCH	2020., 17(3): 1792-1797.	0.737	Ali Hazrat, Gul Rahim, Abdur Rahim, Ikram Ilahi, Zakia Ahmad, Tour Jan, Wali Khan, Bakht Naz, Hussain Shah, Zahid Fazal, Muhammad Asif Nawaz, Khan Sher, Amir Hassan Khan, Shabana Bibi, Abid Ullah and Mohammad Nisar.
12.	PCR based genetic diversity in common bean (<i>Phaseolus vulgaris</i>) landraces collected from Malakand, Division, Khyber Pakhtunkhwa, Pakistan	<i>Sarhad Journal of Agriculture</i>	2019., 35(2): 579-586.	X	Sher, K., M. Nisar and M. Subhan.
13.	Phytosociological structure of Skyland forests at Wari, Dir Upper, Khyber Pakhtunkhwa, Pakistan	BIOSCIENCE RESEARCH	2020, 17(2): 815-826.	0.737	Sharifullah, Ali Hazrat, Amir Hasan Khan, Khan Sher, Shaukat Ali, Muhammad Abdul Aziz, Ateeur Rahman, Ahmad Hassan khan, Khaleeq Ahmad and Muhammad Adnan

14.	Protein Profiling of Indegnous Common Bean Through SDS-PAGE	BIOSCIENCE RESEARCH	2020., 17(2): 688-698.	0.737	Khan Sher, Mohammad Nisar, Muhammad Subhan, Ali Hazrat, Asim Muhammad, Fatih Hansi and Zahid Fazal.
15.	Pteridophytic flora of Jelar valley, Dir upper, Khyber Pakhtunkhwa, Pakistan	BIOSCIENCE RESEARCH	2020, 17(2): 982-987.	0.737	Ali Hazrat, Khan Sher, Tour Jan, Gul Rahim, Shah Zaman, Zakia Ahmad, Zahid Fazal, Muhammad Mukhtiar, Shabana Bibi, Tabinda, Newsheen, Jehan Zada, Shahid Ullah, Abid Ullah and Mohammad Nisar.
16.	Survey of taxo- ethnomedicinal plants belonging to family <i>Apiaceae</i> in the outer hills of Dir Kohistan, Pakistan	BIOSCIENCE RESEARCH	2020, 2020 17(2): 919-925.	0.737	Ali Hazrat, Khan Sher, Gul Rahim, Zakia Ahmad, Jehan Zada, Muhammad Mukhtiar, Zahid Fazal, Shabana Bibi, Amir Hassan, Abid Ullah and Mohammad Nisar.
17.	Taxo-ethnomedicinal diversity of <i>Asteraceae</i> family of Dir Upper, Khyber Pakhtunkhwa, Pakistan	BIOSCIENCE RESEARCH	2020., 2020 17(2): 961-968.	0.737	Ali Hazrat, Tour Jan, Khan Sher, Gul Rahim, Shah Zaman, Muhammad Mukhtiar, Tabinda Newsheen, Zakia Ahmad, Zahid Fazal, Shabana Bibi, Jehan Zada, Abid Ullah and Mohammad Nisar.
18.	Taxonomic and ethnobotanical study of <i>Ranunculaceae</i> from Dir Upper, Khyber Pakhtunkhwa, Pakistan	BIOSCIENCE RESEARCH	2020., 17(2): 933-940.	0.737	Ali Hazrat, Khan Sher, Gul Rahim, Jehan Zada, Muhammad Mukhtiar, Zakia Ahmad, Zahid Fazal, Shabana Bibi, Amir Hassan, Abid Ullah and Mohammad Nisar
19.	Taxonomic and medicinal study of papilionaceae of District Upper Dir, Khyber Pakhtunkhwa, Pakistan.	<i>Sarhad Journal of Agriculture</i>	2020., 36(3): 974-978.	X	Hazrat, A., M. Nisar, K. Sher, J. Shah, T. Jan and A. Ullah.
20.	Taxonomic and medicinal survey of <i>Lamiaceae</i> in the hilly area of Dir Kohistan, Khyber Pakhtunkhwa, Pakistan	BIOSCIENCE RESEARCH	2020., 2020 17(2): 969-975.	0.737	Ali Hazrat, Khan Sher, Zakia Ahmad, Muhammad Mukhtiar, Zahid Fazal, Shabana Bibi, Jehan Zada, Shah Zaman, Gul Rahim, Abid Ullah and Mohammad Nisar
21.	The effect of vescicular arburcular association on the nutritional values of <i>Mentha longifolia</i> L. at vareious level of rock phosphate amendments	BIOSCIENCE RESEARCH	2020., 17(1):515-523.	0.737	Zahid Fazal, Tanvir Burni, Khan Sher, Lal Badshah, Asim Muhammad and Ali Hazrat

22.	Antibacterial and anti-fungal activities of nine species of family Ranunculaceae from Dir Kohistan valley, KPK, Pakistan	FUUAST J. BIOL	(2012). 2(2) 69-72	X	Ali Hazrat, Jehandar Shah, Mohammad Nisar and Khan Sher
23.	socioeconomic and biological conditions of saifulmalook national, Pakistan	Journal of Biodiversity and environmental sciences (JBES)	(2013) 3 (3) 21-29	1.356	Sher Shah, Khan Sher, Muzafar Shah, Ahmad Hussain
24.	Taxonomic studies on the Asteraceae of Dir Kohistan Khyber Pakhtunkhwa Pakistan	Review of Research Journal	(2014), 3(5)1-7.	5.763	Ali Hazrat, M. Nisar, J. Shah, S. Zaman and K. Sher
25.	Role of economic plants in the community development of Dir valley Khyber Pakhtunkhwa, Pakistan	FUUAST J. Biol	(2015) (2015., 5(1): 137-143	X	Ali Hazrat, Muhammad Nisar, Khan Sher and Shah Zaman
26.	Effect of gamma irradiation on yield and yield contributing traits of hybrids of sunflower (<i>Helianthus annuus</i> L.)	Journal of Stress Physiology & Biochemistry	2019), Vol. 15, No. 1, , pp. 05-15	2.638	Saira Naz, Muhammad Subhan, Khan Sher, Hasin Sahar, Qaisar Ali, Shakirullah Khan Shakir
27.	PCR Based Genetic Diversity in Common Bean (<i>Phaseolus vulgaris</i>) Landraces Collected from Malakand, Division, Khyber Pakhtunkhwa, Pakistan,	Sarhad journal of agriculture	2019., Vol.35, Iss.2, Pages 579-586	X	Khan Sher, Muhammad Nisar and Muhammad Subhan
28.	effects of the root bark extract of <i>Monothecha buxifolia</i> (Falc.) on antioxidant potential and seral properties of rabbit (<i>Oryctolagus cuniculus</i>)	Pak. J. Weed Sci. Res.,	(2019)24(4): 429-438, 2018 429	Y	Khan Sher, Ali Hazrat, Muhammad Nisar and Asim Muhammad
29.	Alleviation of shoot tip necrosis in in vitro propagation of <i>Salvia santolinifolia</i> , Boiss.	Romanian Biotechnological Letters University of Bucharest Printed in Romania.	2017. Vol., No. x, Copyright © 2018	0.823	Tour Jan, Ali Hazrat, Beena Naqvi, Khan Sher, Muhammad Asif Nawaz, Muhammad Nisar, Nasrullah Khan, Gul Jan, Farzana Gul Jan And Raiha Qadri.
30.	Species composition and carbon dynamics of <i>Abies pindrow</i> forest of dir Kohistan, Pakistan,	journal of applied ecology & env. Research	2019	0.82	Rahman Ud Din, Lubna Ansari, Adnan Ahmad, Sami Ullah, Mubasharah Munir, Khan Sher.
31.	Floristic Diversity And Weed Communities Of Maize, Potato And Mungnean Crops Of Kalash Valley Chitral Hindukush Range Khyber Pakhtunkhwa, Pakistan	<i>Pak. J. Weed Sci. Res</i>	2019., 25 (2): 79-90	Y	Zahid Fazal, Jaweria Gul. Muhammad Subhan. Khan Sher, Qasir Ali.
32.	The effect of Environment on the yield contributing traits of the selected exotic common beans landraces in northern parts of Khyber Pakhtunkhwa – Pakistan	Sarhad journal of agriculture	. 2019	X	Khan Sher, M. Nisar, A. Hazrat

33.	A taxonomic study of papilionaceae of district upper dir khyber pakhtunkhwa Pakistan	Sarhad journal of agriculture	2019	X	Ali hazrat, k. Sher, tour jan
34.	Trace metal concentration in important medicinal plants of Khyber Pakhtunkhwa, Pakistan	BIOSCIENCE RESEARCH,	2020. 2020 17(2): 699-710.	0.737	Amir Hasan Khan, Muhammad Abdul Aziz, Khan Sher, Ali Hazrat, Niaz Wali, Habib Ullah, Sharif Ullah, Khaleeq Ahmad Ateeur Rahman and Muhammad Adnan.
35.	Genetic diversity in common beans (<i>Phaseolus vulgaris</i> L.) Collected from different ecological zones of Malakand division (a part of the Sino Japanese region of Pakistan)	Sarhad journal of agriculture	36(4): 1203-1213.	x	Khan Sher, M. Nisar, A. Hazrat

26.26

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Papers accepted:**Supervision of Research Thesis of M. Phil is the Co - Supervisor**

No.	Title of theses	Scholar
1.	Phytosociological studies of Skyland Hill at Tehsil Wari District Dir Upper Khyber Pakhtunkhwa Pakistan"	Sharif ULLAH
2.	Assessment of Induced Variability of Yield Contributing Traits in M ₁ Gamma Irradiated Germplasm of Tomato (<i>Lycopersicum esculentum</i> . Mill)"	Mr. Atte Ur Rahman
3.	Study on Radiated Germplasm of Wheat Varieties (<i>Triticum aestivum</i> L.) in Bajaur, KPK"	Ameer Hassan Khan
4.	Effect of Ionizing Radiation on Vegetative Characteristics and Yield Components of Maize (<i>Zea mays</i> L.)"	Ahmad Hassan Khan
5.	Effect of Gamma Irradiation on Vegetative, Floral Characteristics, Yield Components and Seed Yield of Soybean (<i>Glycine max</i> L.)"	S. Farman ULLAH
6.	Phytosociological Study of Some Prominent Weeds Prevalent in Maize and Wheat Fields of Tehsil Zargarandaeh, District Chitral, KPK, Pakistan."	Ms. Haseen Sahar
7.	Ethnobotany of Kailash Valley of Chitral and The Phytosociology of its Major Crops"	Zahid Fazal
8.	Effect of Gamma irradiation on the Morphology, Yield and Yield components in Sunflower (<i>Helianthus annuus</i> L.) Varieties."	Saira Naz
9.	Effect of Induction of Mutation through Gamma Rays on Vegetative, Floral and Yield Parameters of Okra (<i>Abulmoschuus esculentus</i> L.)"	Mr. Qaiser khan

Article reviewer

- Sarhad Journal Of Agriculture Sciences.
- Pakistan journal of botany
- FUUAST J. BIOL
- Journal of Stress Physiology & Biochemistry
- Pure and Applied Biology (PAB) Online ISSN: 2304-2478
- Pakistan Journal of weed science research <https://www.wssp.org.pk/weed/ojs/index.php/index>

Supervision of Research Thesis of B.S being Supervisor

No.	Name	Program	Title	Year
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1.	Wasim ULLAH	BS (Botany)		2014
2.	Taj Muhammad	BS (Botany)	Some study of the medicinal plants of Lamoti Dir upper, KP, Pakistan (a case study of alpine and sub alpine zone)	2014
3.	Ubaidullah	BS (Forestry)	Traditional use of medicinal plants of Doog Dara, Dir Upper, KP, Pakistan	2013
4.	Gauhar Ali	BS (Forestry)	Well known plants of Yakh Tangy, District Shangla, KP, Pakistan	2012
5.	Aziz Ahmad	BS (Forestry)	Biodiversity of Katori Lake (Jaz Banda), Dir Kohistan, KP, Pakistan	2012
6.	Sarir Ahmad	BS (Forestry)	Floristic composition of Dir Kohistan Forest emphasize with high valued medicinal plants, KP, Pakistan	2012
7.	Sher Shah	BS (Forestry)	Socio-economic and biological conditions of Saiful Malook National, KP, Pakistan	2011
8.	Habibullah	BS (Forestry)	Population structure and Dynamics of <i>Quercusbaloot</i> District Dir Upper, KP, Pakistan	2010

Education

2019	PhD in Botany Shaheed Benazir Bhutto University, Thesis: "Morphometric, Proteomic and PCR based genetic diversity in common bean (<i>Phaseolus vulgaris</i>) landraces collected from Malakand Division, KP, Pakistan) in comparison to some exotic land races" Advisor: Prof: Dr. Muhammad Subhan Co: adviser: Dr. Muhammad Nisar
2013	M. Phil in Botany University of Malakand, Thesis: "Effects of <i>Monothecha buxifolia</i> extract on normal rabbits (<i>Oryctologus cuniculus</i>)" Advisor: Prof: Dr. Alam Zeb CGPA: 3.49 out of 4.00
2001	M. Sc in Botany University of Peshawar, Subject: Botany Thesis: "Some study of Green Algae of lower River Swat, NWFP Pakistan" Advisor: Prof: Dr. Zahir Shah Marks obtained: 740/1200 Division 1 st
1998	B.Sc University of Peshawar, Subject: Botany/Chemistry Marks obtained: 309/550 Division 2 nd
1996	F.Sc Board of Intermediate and Secondary Education Swat Pakistan Subject: Pre Medical Marks obtained: 701/1100 Division 1 st Distinction: 1 st position in the college
1994	Metric/SSC Board of Intermediate and Secondary Education Swat Pakistan Subject: Science Marks obtained: 614/850

Division 1st**Thesis reviewed and external examiner**

 PhD and M. Phil Thesis examined/ reviewed of the University of Baluchistan and Gilgit University, Gilgit Baltistan.

Project submitted/supervised**New projects submitted to PSF/HEC**

- Phyto-Resource Conservation of Wild Plant Relatives of Sino-Japanese Region Dir Upper Khyber Pakhtunkhwa
- Cultivation/ Processing of Mushrooms at High Altitude Research Centre at Takai Banda and Jhaz Banda, Dir Upper under the Shaheed Benazir Bhutto University, Sheringal, Dir Upper

Completed projects/ reports

- Feasibility report of mushroom cultivation at high Altitude Research Centre at Takai Banda /Jhaz Banda, Dir Upper under the Shaheed Benazir Bhutto University, Sheringal, Dir Upper
- Worked in Project No. 5061 as associate researcher approved by HEC "Morphological and molecular cataloging of Pakistani common beans (*Phaseolus vulgaris* L.) for the selection of high yielding genetically superior genotype.

Research Interests

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- Molecular biology
 - Genomics
 - Mycology
 - Bio chemistry
 - Plant systematics
 - Ethno botany
 - Ecology and biodiversity
 - Medicinal plants

Conferences, Trainings and Workshops Attended (National)

2019 Selected for oral presentation by International Conference on Agriculture and Plant Science To be held by March 30-31, 2020 | Osaka, Japan

Title: Proteomic diversity and profiling of Indigenous Common Bean genotypes collected from the Northern Hindu Kush ranges of Pakistan through SDS Page

2019 Attended inception meeting organized by PGRI, NARC, Islam Abad under Project entitled " Medicinal and aromatic Plants, collection and conservation strategies" December 03, 2019

2019 Certificate of appreciation being organizer of the seminar
New horizon in life sciences and health care
by
Department of bio; Sciences, Shaheed Benazir Bhutto University
November 21, 2019

2018 Certificate of appreciation being a collaborator and Participation in the seminar
Crop wild relatives' genetic resources of Pakistan and their utilization organized by

Pakistan, research council, held at Islamabad
November 14 2018

- 2014** **Co Organizer**
4th international and 13th national conference on botany
Shaheed BB University Sheringal Dir Upper, KP, Pakistan under the supervision of Higher Education Commission
August 26-28, 2014
- 2013** **Symposium Co-Organizer**
Two Days Symposium on **“Application Of Frontier Technologies In Documentation And Conservation Of Biodiversity And Climate Change”** at Shaheed BB University Wari Campus under the supervision of Higher Education Commission
November 29-30, 2013
- 2013** **participants**
In Three *Days Training Course* on **“Ensuring Training Effectiveness”** at Shaheed BB University Wari Campus under the supervision of Higher Education Commission
August 26-28, 2013
- 2009** **participants**
In One Week *Post Graduate Training Course* on **“Nuclear and Other Advance Technologies in Agricultural and Biological Research”** at NIAB (National Institute of Agriculture and Biological Science)
December 07-18, 2009

Skills & Abilities

Journal editing and reviewing of articles

- Having experience of editing in a journal as member of editorial board
- Having a long experience of reviewing articles of reputed journals

Laboratory skill

- Understanding of good laboratory practice, understanding the safety precautions to be observed in the laboratory
- Expertise in experienced applications and approaches of laboratory work and advance planning of experiments and capability for understanding the experimental problems, Design, conduct and interpret scientific research, Apply a scientific approach to problems, Communicate findings using models, charts and graphs
- Communicating new research findings to the audiences and biological research findings using scientific writing.
- Understanding how to maintain an accurate and well-documented laboratory notebook and can do work effectively as a team member and team leader and knowing Data processing
- Expertise in microscopy and dissection of plant parts with staining and photography.
- Restriction analysis, gel electrophoresis, and gel documentation, Isolation and analyze DNA, RNA and protein, Sequence genomes

Microbiology skill

- Use of micropipettes
- Molecular cloning
- Use of restriction enzymes
- Use of PCR(Polymerase Chain Reaction) machines
- Agarose Gel Electrophoresis and Polyacrylamide Gel Electrophoresis
- Blotting techniques Ex: Western Blot

Anatomy, Botany, and General Biology skill

- Use of a microtome to make slides
- staining techniques

Teaching skill

- Defining essential teaching skills
- Lesson presentation
- Lesson management
- Classroom climate
- Discipline

Computer skill

- Windows 2000, Networking Essentials, MS Office Pack,
- Internet + E-mail, Hardware assembling, Software Installations
- Power point, Home Plan Pro (Software for mapping),

Research Skills

- SPSS (Statistical Package for Social Sciences),
- Statistix
- NTSYS PC 2.1
- PC ord
- STATISTICA 7
- PhD in Molecular/cellular biology
- Comparative analysis of endogenous and exotic beans based on Morphometric diversity
- Multilocational trials of selected beans for yield and yield contributing traits to assessment of environmental acceptability:
- Biochemical Characterization/Proteomics assay of Common bean using SDS-PAGE analysis
- Molecular characterization of Common Bean using SSR markers
- Demonstrated track record across multiple projects to prototype innovative applications and efficiently develop them towards high impact results
- Strong work ethic, motivation, creativity, scientific curiosity
- At least 17 years of experimental research experience (academic)
- Basic Statistics (Mean, Analysis of variance (ANOVA), Variation coefficient and Standard errors)
- Two-Way-Cluster Analysis and Genetic Similarity:
- Linkage Analysis:
- Data analysis: (Protein data matrix, Jaccard Similarity Coefficient and two way cluster analysis (TWCA) conducted using PC-ORD in order to find out the genetic association/linkage (GA/L) within bean landraces.
- Knowing Principal Coordinate Analysis (PCA) by using PC-ORD to find out clustering.
- Similarly, having knowledge of Genetic indices (GI) to calculate Unweight Pair-Group Average (UPGMA) %disagreement using Software STATISTICA)

Typing skills

- speed is approx. 30 words per minute

Visits for research purpose

Several times I traveled across the Forested Areas of Pakistan (Dir, Swat, Chitralgol National Park, Abbottabad, Murree, Baltistan Skardu Astoreetc). Similarly I also visited the Mangrove forests coastal Areas of Sindh for research purposes. Visited various universities and research stations, like PARC, NIAB, NIBGE, NIFA etc

Professional Tests

- 2013** Graduate Assessment Test (GAT) Subject by National testing Service Pakistan (NTS) Score: 65/100 (Percentile: 87.25 %) Valid upto 29th May 2015
- 2012** Graduate Assessment Test (General) GAT by National testing Service Pakistan (NTS) Score: 55/100 (Percentile: 78.87 %) Valid upto 17th April 2014

Volunteer Services

Member Social Welfare Society

At student life of the University I had been a volunteer with student Society for the Protection of the Rights of the Child 1996 to 2001. I participated in their activities related to advocacy and awareness programs. I also attended their workshops and seminars regarding their rights, education, Child Abuse, Child trafficking, and Exchanged Marriages etc

Member Blood Donor Society

At Student life I remained an active member of the University Blood Donor Society. Personally I donated blood to the patients and urge other to donate.

Skills

Computer	Windows 2000, Networking Essentials, MS Office Pack, Internet + E-mail, Hardware assembling, Software Installations Power point, Home Plan Pro (Software for mapping), ACD See and Ms Word.
Research Statistics	SPSS (Statistical Package for Social Sciences), statistix
Typing speed is	approx. 30 words per minute
Also work in	GPS (Global Positioning System)

Languages

Pashto: Native
 English: Conversant
 Urdu: Conversant
 Punjabi: Studied
 Hindko: Studied
 Arabic: Studied
 Persian: Studied

Other Services/Award

1. Pioneer Faculty Member of Shaheed Benazir Bhutto University Sheringal Dir upper
2. Obtained best teacher award from the University conducted by Quality Enhancement Cell (QEC).

Memberships/ Responsibilities

1. Member Academic Council Shaheed BB University Sheringal Dir (Upper), KP, Pakistan
2. Coordinator University Sub Campus Wari
3. Chairman Department of Botany
4. Chairman Department of Forestry
5. Focal Person of the Project entitled "Development of the Department of Forestry University of Malakand".
6. Worked as member board of studies of Forestry, botany and biology
7. Remained members of academic council at 2008 of the University of Malakand.
8. Member selection committee at Shaheed BB University at 2010
9. Worked as co-organizer of one international conference at Wari under Shaheed BB University at 2012.
10. Worked as member of UFM committee several times of SBBU.
11. Teaching subjects: Plant systematic, Anatomy, Taxonomy, Research methodology, Morphology of Plants etc.

References:

- **Khan Bahadar Marwat**
Meritorious Professor (Rtd)

Former VC UAP, Peshawar, Former Vice Chancellor, SBBU, Dir Upper

Phone: 00923209017020

Email: kbmarwatt@yahoo.com

- **Dr. Iqbal Munir**

Professor,

Director; Institute of Biotechnology & Genetic Engineering (IBGE)

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- **Dr. Muhammad Nisar**

Associate Professor at Botany, University of Malakand

Email: shaalpk@yahoo.com

Phone: 00923109598889

- **Dr. Gul Hassan**

Email: hassanpk_2000pk@yahoo.com

Phone: 00923420975599

Prof[®] in Agriculture, Shaheed BB University, Sheringal, Dir Upper