

Prof Dr Shujaul Mulk KhanProfessor (Tenured) of Plant Sciences, *Quaid-i-Azam University Islamabad, Pakistan**Member Pakistan Academy of Sciences**President, International Society of Ethnobiology**Visiting Faculty of UNISG, Italy & Pavlodar Kazakhstan**Visiting Scientist at various Universities of the Republic of Kazakhstan**HEC approved supervisor**PhD & Post Doctorate - University of Leicester, United Kingdom*<https://www.gau.edu.pk/profile.php?id=804024><https://www.paspk.org/members-of-the-academy/><https://www.ethnobiology.net/about/current-ise-board/#President><https://www.unisg.it/en/visiting-professors/><http://sc.hec.gov.pk/aphds/submit.asp?supid=5846><http://www2.le.ac.uk/departments/biology/people/harper/people/khan>http://scholar.google.com/citations?user=SOyrU_AAAAAJ&hl=en<https://www.researchgate.net/profile/Shujaul-Khan-2><https://orcid.org/0000-0003-1217-6612><https://ethnobiomed.biomedcentral.com/about/editorial-board>*A smart team leader and elegant group member who can serve under any sort of competitive environment***Personal data**

✚	Father's Name	Aurang Zeb
✚	Year of Birth	1980
✚	Place of Birth/Domicile	Tehsil Matta, District Swat, Pakistan
✚	Nationality	Pakistani
✚	Permanent	Village Shandal, P/O Gat, Tehsil Matta, District Swat - 19040, Pakistan
✚	Office/ Postal address	Department of Plant Sciences, Quaid-i-Azam University Islamabad, Pakistan
✚	Contacts	Mobile: 0092 3349311639; Office: 0092 51 90643069 E-mail: shuja60@gmail.com & smkhan@qau.edu.pk

Academic qualification

Post Doctorate (<i>Biogeography</i>)	2013	University of Leicester, UK (<i>Invited to write a review for Annals of Botany</i>)
PhD (<i>Ecology & Conservation</i>)	2012	University of Leicester, UK (<i>Nominee for the best thesis award</i>)
MPhil (<i>Botany</i>)	2008	Hazara University Mansehra, Pakistan (<i>1st division/1st Position</i>)
MSc (<i>Botany</i>)	2004	University of Peshawar, Pakistan (<i>1st division/1st Position/Distinction</i>)
BEd (<i>Bio-Chem. Group</i>)	2005	AIOU Islamabad, Pakistan (<i>1st division</i>)
BSc (<i>Biosciences</i>)	2001	University of Peshawar, Pakistan (<i>1st division/1st Position Distinction</i>)
CT (<i>Training</i>)	2005	PITE Peshawar Pakistan (<i>1st division/1st Position</i>)
FSc (<i>Pre-Medical</i>)	1999	BISE Swat, Pakistan (<i>1st division</i>)
SSC (<i>Science</i>)	1996	BISE Swat, Pakistan (<i>1st division/1st Position</i>)

Additional computer literacy*Statistical Software*

SPSS, STATISTICA, CANOCO, PCORD, SAM, DECORANA, TWINSpan, JUICE, GIS, R Studio,

Others

Ref Works, End Note, MS Word for Long Document, Excel-Stat, MS Excel for large data matrices, MS PowerPoint for posters and conferences, CANVA,

International and National Awards

1. Won the COMSTECH Best Paper Award in Biology 2023; a Medal, a Certificate and cash prize worth US \$. 2500/- (February 2023).
2. Received 1st Quaid-i-Azam University Best Performance Award and Certificate of Appreciation (December 12th, 2023).

3. Elected as President, International Society of Ethnobiology for the duration of 4 years i.e., 2022 – January, 2026.
4. Elected as Member of Pakistan Academy of Sciences for the duration of 10 years i.e., January, 2020 – January, 2030.
5. Achieved Outstanding Scientist Award & certificate in the “11th International Scientist Awards on Engineering, Science and Medicine” VDGGOODS Kolkata (October 2020).
6. Achieved 7th HEC Outstanding Research Award, for Best Paper of the year 2017-18, Rs. 70,000/- plus, medal & a certificate (August 7th, 2019).
7. Achieved QAU Research Productivity Award, for top 3% researcher in the years, 2019 & 2020 including Rs. 100,000/- plus a letter of Appreciation (April 2021).
8. Membership of PAS was featured in the PAS Newsletter (January 2020). <https://www.paspk.org/wp-content/uploads/2020/03/January-2020-Newsletter.pdf>
9. Achieved QAU Research Productivity Award, for best researcher in the years, 2018 & 2019 including Rs. 100,000/- plus a letter of Appreciation (August 2020).
10. Listed in **top 50 young researchers** (under 40 years of age) of Pakistan in the category of Biological Sciences, Productive Scientists of Pakistan (PSP) by Pakistan Council of Science and Technology (PCST) in the year 2017 & 2018.
11. Achieved Excellent Scholar Award worth 8000 RMB (China Yuan) in the 19th International Botanical Congress (the IBC 2017), held at Schenzhen, China (July 23rd to July 29th, 2017)
12. PhD Thesis was considered for **first prize** in the Biological Science, University of Leicester, UK for the year 2012.
13. Acquired “**Merit Certificate**” for securing 1st position in MSc Botany, 2004.
14. Acquired “**Best Poet Certificate – student category**” in the Jahanzeb College Saidu Sharif Swat, Pakistan, during MSc in 2003.
15. Acquired “**Quaid-e-Azam award and certificate**” for securing 1st Position in B. Sc., 2001.

Other Achievements

1. I have been selected member of the Board of Governors (total No.=6) for ISGSS – International Society of the Gastronomic Science and Studies.
2. I have been invited for expert opinions on problems related to plantation, climate change and education by numbers of TV and Radio programs since 2018 to date.
3. Participations in the 12th International Food Event (Terra Madre del Gustu) held at Turin Italy, was featured in the HEC Pakistan’s magazine ‘NEWS & VIEWS’ page 36, September-October issue, 2018.
4. Participations in the 19th International Botanical Congress (the IBC 2017) held at Schenzhen China was featured in the HEC Pakistan’s magazine ‘NEWS & VIEWS’ page 07, July-August issue, 2017.
5. Listed in the **top 50 Productive Scientists of Pakistan (PSP)** - (young researchers - under the age of 40), in the category of Biological Sciences, by Pakistan Council of Science and Technology (PCST) in the years 2016 & 2017.
6. **Pioneer General Secretary** of ‘Society of Conservation Biology for Pakistan’, 2014-19.
7. Participation in two consecutive conferences in November 2013 at Antalya Turkey was attributed in the HEC Pakistan’s magazine ‘NEWS & VIEWS’ page 16, December issue, 2013.
8. Participations in Plants Survey of Britain as BSBI member were highlighted by Botanical Society of Britain & Ireland (BSBI), 2012. <http://bsbipublicity.blogspot.co.uk/2014/03/hackfall-wood-image-k.html>
9. News of best PhD thesis and overall performance in PhD was featured in the HEC Pakistan’s magazine ‘NEWS & VIEWS’ page 13, July issue, 2012.
10. Participations in international conferences at Holland and Norway were featured in the HEC Pakistan’s magazine ‘NEWS & VIEWS’ page 13, December issue, 2011.
11. PhD research activities were featured in the HEC Pakistan’s magazine ‘NEWS & VIEWS’, page 09, August, 2011 issue.
12. Got **first position** and distinction as a **first MPhil Student** of Hazara University Mansehra, Pakistan, 2008.
13. Throughout **first division** in academic carrier, 1987-2012.
14. Topper of KP province in Classic Teacher training, 2005.
15. Got **first position** in S.S.C. (Metric Exam), 1996.

Higher education institutions level experience

- ❖ Tenured Professor of Plant Sciences, **Quaid-i-Azam University Islamabad, Pakistan**, August 07, 2024 to-date.

- ❖ Associate Professor (Tenured), **Department of Plant Sciences, Quaid-i-Azam University Islamabad, Pakistan**, June 29, 2020 to August 07, 2024.
- ❖ Visiting Scientist to teach and train the researchers (Faculty & Students) in the **Pavlodar Pedagogical University named after Alkai Margulan, Pavlodar, Kazakhstan** September 05 - 26, 2024.
- ❖ Visiting Scientist to teach and train the researchers (Faculty & Students) in the **Pavlodar Pedagogical University named after Alkai Margulan, Pavlodar, Kazakhstan** September 01 - 30, 2023.
- ❖ Visiting Scientist to teach and train the researchers in the **Toraighyrov University Pavlodar, Kazakhstan** November 20, 2022 to December 20, 2022.
- ❖ Assistant Professor of Plant Sciences, **Department of Plant Sciences, Quaid-i-Azam University Islamabad, Pakistan**, May 26, 2015 – June 27, 2020.
- ❖ Lecturer in Botany, **Department of Botany, Hazara University Mansehra, Pakistan**, May 4, 2006 - May 26, 2015.
- ❖ Adjunct/Visiting Faculty member for the course of Master in *“Food Culture and Communications: Human Ecology and Sustainability”* **University of Gastronomic Sciences Pollanzo, Bra Italy**, June 2014 to date.
- ❖ Post Doctorate Fellow, **Centre for Landscape and Climate Research, Department of Geography University of Leicester, UK**, May, 2012 – February, 2013.
- ❖ Practical Demonstrator, **Department of Biology, University of Leicester, UK**, October, 2008 – August, 2012.
- ❖ Invigilator examinations, **University of Leicester, UK**, October, 2009 – August, 2012.
- ❖ Lecturer in Biology, **Government Degree College Totalai, District Buner Pakistan**, and October 1, 2005 - May 03, 2006.
- ❖ Lecturer in Botany, **Swat Rubicon Degree College Gulibagh, District Swat, Pakistan**, October 8, 2003 - September 30, 2005.

Research Grants/Projects

- ✓ Research project titled *“Wild Edible Mushroom of Murree forest - their potential as a rich source of protein, domestication, in-situ conservation and ex-situ cultivation potentials”* worth Rs. 0.830/- millions has been initiated as Principal Investigator in the year 2024-2025 (1 year) via the Pakistan Academy of Sciences (Ref. No. 5-9/PAS/1392/PC-1).
- ✓ International Research project titled *“Ecological and molecular assessments of the prioritized endemic plants in the Himalaya”* worth Rs. 8.7820/- millions has been approved as Principal Investigator in the year 2022-2024 (2 years) via jointly by the Pakistan Science Foundation and National Natural Science Foundation China (PSF-NSFC/JSEP/262/2022-2023).
- ✓ Research project titled *“The Marble wastewater treatment through Bioremediation; an environmental friendly approach to modern world water issues”* worth Rs. 0.81430/- millions has been initiated as Principal Investigator in the year 2022-2024 (2 years) via the Pakistan Academy of Sciences (Ref. No. 59/PAS/2383).
- ✓ Research project titled *“Linking forest diversity, structure and functions along climate and soil conditions across Pakistan”* worth Rs. 0.50/- millions has been initiated as Principal Investigator in the year 2022-2024 (2 years) via the WWF Small Grants Program Pakistan.
- ✓ Research project titled *“Identification of potential ecological zone for introduction of suitable Grape (Vitis vinifera L.) varieties; a step towards poverty alleviation and sustainable development in the FATA region of Pakistan”* worth Rs. 4.889 million has been completed as Principal Investigator in the year 2019-2021 via the ALP program of PARC (F. NO. 2-38/2018/(ALP)-PARC (P)).
- ✓ Research project titled *“Community Studies of Nannorrhops ritchiana (Mazri Plant) in Sheikh Baddin National Park with special focus on its Quantitative Attributes”* worth Rs. 70000/- has been completed as Principal Investigator in the year 2021-2022 via the National Parks Khyber Pakhtunkhwa program.
- ✓ Research project titled *“Comparative studies of Phyto-diversity within and around the Ayubia National Park with reference to species conservation”* worth Rs. 70000/- has been completed as Principal Investigator in the year 2020-2021 via the National Parks Khyber Pakhtunkhwa program.
- ✓ Research project titled *“Conservation Ecological and studies of medicinal plants of Chitral Gol National Park (CGNP), Pakistan”* worth Rs. 70000/- has been completed as Principal Investigator in the year 2018-2019 via the National Parks Khyber Pakhtunkhwa program.
- ✓ Research project titled *“Effect of natural gas emitted pollution on ecological, anatomical and biochemical characteristics of local vegetation growing around Nashpa Gas Plant in District Karak*

Pakistan” worth Rs. 120000/- has been completed as Principal Investigator in the year 2016-2017 under the URF program of QAU.

- ✓ Research project titled “*Ecological studies of weed species of wheat with reference to edaphic factors in the District Malakand*” worth Rs. 80000/- has been completed as Principal Investigator in the year 2015-2016 under the URF program of QAU (Principle Investigator).

Academic/Travel grants

1. Achieved a partial **Travel Grant (PAS/5-9/PAS/PC-I/1460 worth Rs. 240,000/-** from Pakistan Academy of Sciences to attend 18th Congress of International Society of Ethnobiology (ISE), at Marrakech, Morocco (May 15th to 19th, 2024).
2. Achieved a partial **Travel Grant worth US\$ 1832/-** from Global Diversity Foundation to attend Pre-congress of International Society of Ethnobiology (ISE) “Mentoring the Emerging Ethnobiologists”, at Zarkten, Morocco (May 11th to 14th, 2024).
3. Achieved a **Travel Grant (PSF/P&D/TG-PSDP(30)/23) worth Rs. 350,000/-** from Pakistan Science Foundation to attend 5th Mustafa Award Ceremony and Science Technology Exchange Program (STEMP), at Isfahan Iran (September 30th to October 5th, 2023).
4. Achieved a **Travel Grant/honorarium (Kazakhstan ministry of Science and Technology) worth Kazakh Tenge. 1840000/-** as a visiting Scientist to Pedogogical University Pavlodar, Kazakhstan (September 1st to September 30th, 2023).
5. Achieved a **Travel Grant/honorarium (Kazakhstan ministry of Science and Technology) worth Kazakh Tenge. 1900000/-** as a visiting Scientist to Toraighyrov University Pavlodar, Kazakhstan (November 20th to December 20th, 2022).
6. Achieved a **Travel Grant (Slow Food Association) worth Euro. 2500/-** to attend 14th International Food Congress and Exhibition, Italy (September 21st to September 27th, 2022).
7. Achieved a full sponsorship from the International Office of the Kazan University Tatrastan Russia, to attend the International science and Research Conference "Historical, cultural and scientific heritage; Development of UNESCO World Heritage Sites in the Republic of Tatarstan" (December 03-05, 2019), at Kazan Tatarstan, Russia.
8. Achieved a **Travel Grant (PSF/P&D/TG-ND (303)/18) worth Rs. 175000/-** from Pakistan Science Foundation to attend 12th International Food Congress and Exhibition, Italy (September 19th to September 25th, 2018).
9. Secured a **Travel Grant (No.295.82/TG/HEC/R&D/2013/26248) worth Rs. 277400/-** from Higher Education Commission Pakistan to attend 5th international conference of the Society for Conservation Biology (SCB) Oceania section at Wellington, New Zealand (July 2nd to July 6th, 2018).
10. Secured a **Travel Grant worth Rs. 30000/- from Malaysian Academy of Science** to attend Regional Conference of ASM & NASEM as Invited Speaker “To promote Safe and Secure Science in the Middle East/North Africa and South/South east Asia” (February 5 – 9, 2018) at the Sunway University Kuala Lumpur Malaysia.
11. Achieved a **Travel Grant (PSF/P&D/TG-ND (94)/17) worth Rs. 173650/-** from Pakistan Science Foundation to attend 19th International Botanical Congress (IBC 2017), at Shenzhen, China (July 23rd to July 29th, 2017).
12. Achieved a **Travel Grant (PSF/P&D/TG-II (1105)/14) worth Rs. 139500/-** from Pakistan Science Foundation to attend 3rd International Symposium on Biology of Rare and Endemic Plant Species (BIORARE-2014) at Antalya, Turkey (April 19th to April 23rd, 2014).
13. Achieved a **Travel Grant (No.186.60/TG/HEC/R&D/2013/864) worth Rs. 179500/-** from Pakistan Science Foundation to attend 11th International Ethnobotany Symposium 2013 at Antalya, Turkey (November 1st to November 6th, 2013).
14. Achieved a **Travel Grant (No.183.33/TG/HEC/R&D/2013/572) worth Rs. 232750/-** from Higher Education Commission Pakistan to attend international conference INTECOL 2013 at London, UK (August 18th to August 23rd, 2013).
15. Achieved a **Travel Grant worth £ 750/-** from British Ecological Society to attend international conference INTECOL 2013 at London, UK (2013).
16. Achieved University of Leicester **Post Doctorate Fellowship worth £ 1000/- per month** (June 1st 2012 to January 31st, 2013) from Centre for Landscape and Climate Research, University of Leicester (2012).
17. Granted with a **Scholarship worth £ 65,000/-** by HEC Pakistan for PhD studies from University of Leicester, UK (2008-2012).

Administrative experience

- Director Career Counselling, Quaid-i-Azam University Islamabad 2024 - to date.
- Member National Curriculum Review Committee, NCRC – Environmental Sciences – HEC Pakistan, 2023 – to date
- Member DTRC, Government College Women University Sialkot, Pakistan 2023 - to date
- Member (Elected), Academic Council **Quaid-i-Azam University Islamabad, Pakistan**, 2023-2024.
- Senior Warden Boys Hostels, **Quaid-i-Azam University Islamabad, Pakistan**, 2023.
- Member of Selection Board (Subject Expert Bio-Sciences), **Mirpur University of Sciences and Technology (MUST), Kashmir**, 2022 – to date.
- Member Board of Faculty of Biological and Health Sciences, **Hazara University Mansehra, Pakistan**, March, 2022 to date.
- Member of the Oversight Committee under the project **Green Youth Movement** - Prime Minister Youth Program at HEC Islamabad, Pakistan, November, 2021 to date.
- Subject Expert, Scrutiny and Quantification Committee, Department of Plant Breeding & Genetics, **The University of Haripur, Pakistan**, August 2021 to date.
- Member of Selection Board (Subject Expert Bio-Sciences), **Khushal Khan Khattak University Karak, Pakistan**, 2016 - 2022.
- Subject Expert Bio-Sciences, Federal Public Service Commission, Islamabad, Pakistan, 2021 to date.
- Appointed member of the Board of Faculty, **Faculty of Biological Sciences, Quaid-i-Azam University Islamabad, Pakistan**, for the duration of three years (w.e.f. 02/06/2016 to 01/06/2019).
- Appointed member of the Board of Studies, **Department of Plant Sciences, Quaid-i-Azam University Islamabad, Pakistan**, for the duration of three years (w.e.f. 02/06/2016 to 01/06/2019).
- Member Executive Council, Academic Staff Association, (**Representative of the Department of Plant Sciences**) Quaid-i-Azam University Islamabad, Pakistan, January, 2019 to date.
- Member Departmental Disciplinary Committee, **Department of Plant Sciences, Quaid-i-Azam University Islamabad, Pakistan**, January, 2019 to date.
- In-Charge Student affairs, **Department of Plant Sciences, Quaid-i-Azam University Islamabad, Pakistan**, January, 2019 - February, 2020.
- Member Career Counselling and Placement System Committee, **Department of Plant Sciences, Quaid-i-Azam University Islamabad, Pakistan**, December, 2016 to January 2020.
- In-Charge Departmental Library, **Department of Plant Sciences, Quaid-i-Azam University Islamabad, Pakistan**, September 2017 to February 2018.
- Course Coordinator, **Department of Plant Sciences, Quaid-i-Azam University Islamabad, Pakistan**, January 2016 to September 2017.
- Member of the Admission Committees for MSc, MPhil & PhD, **Department of Plant Sciences, Quaid-i-Azam University Islamabad, Pakistan**, August 2015 to Date.
- Member of the Board of Studies, **Department of Botany, Hazara University Mansehra, Pakistan**, August 2012 – May 2015.
- Member of the Academic Committee, **Department of Botany, Hazara University Mansehra, Pakistan**, August 2012 – May 2015.
- Member of the Evaluation Committee of Faculty on Tenured Tract System (TTS), **Department of Botany, Hazara University Mansehra, Pakistan**, August 2012 – May 2015.
- Member of the Seminar & Conferences Committee, **Department of Botany, Hazara University Mansehra, Pakistan**, August 2012 – May 2015.
- In charge of the Environmental Club, **Department of Botany, Hazara University Mansehra, Pakistan**, August 2012 – May 2015.
- Departmental Controller Examination, **Department of Botany and Department of Genetics, Hazara University Mansehra, Pakistan**, May 4, 2006 - October 9, 2008.
- Member Proctorial Board, **Hazara University Mansehra, Pakistan**, May 4, 2006 - October 9, 2008.
- Faculty Proctor **Hazara University Mansehra, Pakistan**, January 2006 - March, 2008.

Memorandums of Understandings

- ✓ MoU between QAU and Pavlodar Pedagogical University, Qazaqstan signed in September 2023.
- ✓ MoU between QAU and Astana International University, Qazaqstan signed in December 2022.

- ✓ MoU between QAU and Astana Botanical Garden Nursultan, Qazaqstan signed in December 2022.
- ✓ MoU between QAU and Toraighyrov University Pavlodar, Qazaqstan signed in December 2022.
- ✓ MoU between QAU and Society for Environment and Mangroves Protection signed in March 2023, where the society initiated to donate 15000 fruit plants to QAU.
- ✓ MoU between QAU Botanical Garden and Astana Botanical Garden, Qazaqstan signed in January 2023.

Research experience and Titles covered during Post Doctorate, PhD, MPhil and MSc

- ❖ Completion of Research Project “**Developing Conservation criteria for the Plant Biodiversity in Montane Ecosystems; using the Western Himalayas as a case study**”, 2013 (Post Doctorate fellowship).
- ❖ Completion of Research Project on “**Plant Communities and Vegetation Ecosystem Services in the Naran Valley, Western Himalayas**”, 2012 (PhD Thesis).
- ❖ Completion community participation project with NGO ‘ASHAR’ on “**Ethnobotanical Study of Upper Siran Valley, District Mansehra, Pakistan**”, 2007 – 2008 (Resulted a journal paper).
- ❖ Completion of Research Project on “**Genetic Diversity Analyses of Pakistani Peas Germplasm through RAPD Markers**”, 2008 (MPhil Thesis).
- ❖ Completion of Research Project on “**Ethno-medicinal Plants of Shawar Valley District Swat Pakistan**”, 2004 (MSc Thesis).

Courses developed/designed at postgraduate level

- ✚ **Vegetation Dynamics**; PhD/MPhil, Department of Plant Sciences, Quaid-i-Azam University Islamabad Pakistan, 2018.
- ✚ **Vegetation Analyses**; PhD/MPhil, Department of Botany, Hazara University Mansehra Pakistan, 2013.
- ✚ **Ecological Communities**; PhD/MPhil, Department of Botany, Genetics & Zoology, Hazara University Mansehra Pakistan, 2012.

Courses

taught at graduate and postgraduate levels

- **Vegetation Dynamics**; PhD/MPhil, Department of Plant Sciences, Quaid-i-Azam University Islamabad Pakistan, 2018 – to-date.
- **Advances in Applied Ecology**; PhD/MPhil, Department of Plant Sciences, Quaid-i-Azam University Islamabad Pakistan, 2015 to-date.
- **Phytogeography**; PhD/MPhil, Department of Plant Sciences, Quaid-i-Azam University Islamabad Pakistan, 2015 to-date.
- **Plant Ecology I & II**; BS, Department of Plant Sciences, Quaid-i-Azam University Islamabad Pakistan, 2018 to date.
- Pakistan, 2015 to 2021. **Lab-III**; MSc/BS, Department of Plant Sciences, Quaid-i-Azam University Islamabad Pakistan, 2015-2020.
- **Edaphology & Soil Biology**; MSc/BS, Department of Plant Sciences, Quaid-i-Azam University Islamabad
- **Plant Ecology**; MSc, Department of Plant Sciences, Quaid-i-Azam University Islamabad Pakistan, 2015 – 2020.
- **Vegetation Analyses**; PhD/MPhil, Department of Botany, Hazara University Mansehra Pakistan, 2013 – 2015.
- **Ecological Communities**; PhD/MPhil, Department of Botany, Genetics & Zoology, Hazara University Mansehra Pakistan, 2012 – 2015.
- **Plant Ecology**; MSc/BS, Department of Botany Hazara, University Mansehra Pakistan, 2006 – 2015.
- **Conservation Genetics**; MSc/BS, Department of Genetics, Hazara University Mansehra Pakistan, 2013 – 2015.
- **Plant Taxonomy**; Practical demonstration to BS, students at Department of Biology, University of Leicester, UK, October 2008 – August 2012.
- **Plant Physiology**; Practical demonstration to MS, students at Department of Biology, University of Leicester, UK, October 2009 - 2011.
- **Plant systematic**; MSc, Department of Botany Hazara University Mansehra Pakistan, 2008.
- **Morphology of Vascular Plants**; BS (Hons), Department of Botany Hazara University Mansehra Pakistan, 2008.

- **Plant Physiology and Ecology;** BS (Hons), Department of Botany Hazara University Mansehra Pakistan, 2008.
- **Research Methodology;** BS (Hons), Department of Botany Hazara University Mansehra Pakistan, 2008.
- **Basic Botany;** BS (Hons), Department of Genetics Hazara University Mansehra Pakistan, 2008.
- **Mycology & Plant Pathology;** MSc, Department of Botany Hazara University Mansehra Pakistan, 2006 - 2008.
- **Phycology & Bryology;** MSc, Department of Botany Hazara University Mansehra Pakistan, 2006 - 2008.
- **Diversity of Vascular Plants;** MSc, Department of Botany Hazara University Mansehra Pakistan, 2006 - 2008.
- **Environmental Biology;** MSc, Department of Botany Hazara University Mansehra Pakistan, 2006 - 2008.
- **Cell Biology;** BS (Hons), Department of Biochemistry Hazara University Mansehra, 2006 - 2007.
- **Botany, Zoology and Geography** (BSc), Swat Rubican College Gulibagh, Swat and Government Degree College Totale, District Bunir, 2003 - 2006.
- **Biology,** (FSc Level), Swat Rubican College Gulibagh, Swat and Government Degree College Totale, District Bunir, 2003 - 2006.

Students' supervision

S. No	Name	Title of the thesis/dissertation	Session
<i>Students supervised - PhD</i>			
1.	Ujala Ejaz	<i>Ecological assessment of vegetation dynamics of the Aik stream with reference to the Industrial Pollution in Sialkot, Pakistan</i>	2020-2024
2.	Shahab Ali	<i>Linking Forest Diversity, Structure and Functions along the Climate and Soil Conditions across Pakistan</i>	2019-2024
3.	Abdullah	<i>Ecology, Socioeconomics, Ethnobotany, Seed's dormancy and the Mazri Palm {Nannorrhops ritchieana (Griff.) Aitch.}; an appraisal from Khyber-Pakhtunkhwa Pakistan</i>	2019-2023
4.	Hazrat Ali	<i>Ecological assessment of vegetation and indigenous uses of plant resources in District Malakand Khyber Pakhtunkhwa</i>	2018-2023
5.	Zeeshan Ahmad	<i>A holistic approach to bring sustainability and resilience in Plant and Microbe populations in the marble waste polluted ecosystem of the Khyber Pakhtunkhwa, Pakistan</i>	2019-2022
6.	Amjad ur Rehman	<i>Ecological and Geoinformatics Evaluation of Vegetation Dynamics in the Murree Forrests; a step towards Biodiversity Conservation</i>	2016-2021
7.	Muhammad Iqbal	<i>Distribution of Weeds in Wheat crops with Reference to Farming System Analysis of Malakand District</i>	2014-2020
8.	Zulfiqar	<i>Conservation issues and restoration strategies of Japanese Oak in the Himalayan region of Pakistan</i>	2013-2019
9.	Zaheer Abbas	<i>Plant Diversity, Species Distribution Pattern and Ecosystem Services of the Shigar Valley Karakorum</i>	2013-2018
10.	Waqas Khan	<i>Evaluation of Plant Diversity of Thandiani Sub Forest Division, District Abbottabad; A step towards conservation management</i>	2012-2017
11.	Azhar Mehmood	<i>Assessment of Floristic Diversity along Environmental Gradients in the District Tor Ghar, Khyber Pakhtunkhwa, Pakistan</i>	2011-2016
12.	Abbas Shah	<i>Assessment of Cultural Drivers of Plant Biodiversity of District Tor Ghar, Khyber Pakhtunkhwa, Pakistan</i>	2011-2015
<i>Students under supervision - PhD</i>			
13.	Sadia Jehangir	<i>Ecological assessment, distribution pattern, range expansion of noxious invasive species and their impact on the associated flora along the elevation gradient in Azad Kashmir, Pakistan</i>	2020-2024
14.	Shakil Ahmad Zeb	<i>Ecological studies of macro-fungi with special references to host environment interactions</i>	2022-2025
15.	Qurat Ul Ain	<i>Ecological Assessment of Weeds under the Influence of Climatic, Edaphic, and Farming Dynamics in the Wheat Crop</i>	2022-2025
16.	Nazia Akbar	<i>Ecological assessment of Vegetation structure and plant Diversity</i>	2021-2025

		<i>along environmental gradient in Sudhnoti District of Kashmir Himalyas, Pakistan</i>	
17.	Fazal Manan	<i>Micro-plastics a rapidly Emerging Threat to Human Health</i>	2023-2026
<i>Students supervised – MPhil/MS</i>			
1.	Maria Shah	<i>Ecological role of plant nurseries in economically significant species; a case study from Malakand region</i>	2022-2024
2.	Zohaib Jamal	<i>Vegetation assessment and Carbon sequestration potential of the Pai reserved forest, District Shaheed Benazirabad (Nawabshah), Sindh, Pakistan</i>	2022-2024
3.	Tehsin Ullah	<i>Slow food as an identity of Pathans' tradition; a case study from the Districts of Bannu and Lakki Marwat, Pakistan</i>	2022-2024
4.	Waseem Abbas	<i>Distribution and Population Ecology of Seriphidium kurramense (Qazilb.) Y.R.Ling; a narrow Endemic plant of the Kurram Valley, western Pakistan</i>	2022-2024
5.	Muhammad Iqram	<i>Significance of Carbon Sequestration in palatable grasses of Poonch, Azad Jammu and Kashmir.</i>	2022-2024
6.	Huma Gul	<i>Ecological distribution and assessment of mushroom species in the District Swabi, Khyber Pakhtunkhwa, Pakistan</i>	2022-2024
7.	Syeda Azra Israr	<i>Vegetation studies of Mahaban and adjacent hills of the District Swabi with special reference to fire incidence</i>	2021-2023
8.	Aaiza Qamar	<i>Morpho-physiological and biochemical evaluation of pollution affected plants along IJP Road in the twin cities of Pakistan</i>	2021-2023
9.	Amina Shoukat	<i>Evaluation of Carbon sequestration potential in wheat and rice crop of Shakargarh, Punjab, Pakistan</i>	2021-2023
10.	Saira Meher	<i>The role of Mango gardens in Carbon sequestration; a case study from Multan, Pakistan</i>	2021-2023
11.	Nafeesa Hayat	<i>Vegetation Assessment of the Rawat Industrial Zone, Rawalpindi, Pakistan</i>	2021-2023
12.	Ayesha Irshad Khalid	<i>Assessment of Above Ground Carbon Stock in the Tree Vegetation of the Dry Temperate Region along the elevation gradient; A case study from Northern Pakistan</i>	2021-2023
13.	Maham Rana	<i>Ecological Evaluation of Structure and Function of Woody vegetation in the Industrial region of Capital Territory Islamabad Pakistan.</i>	2021-2022
14.	Ateeqa Khalid	<i>Quantitative and Functional Traits Ecology of Herbaceous Vegetation; a case study of I-9 Industrial Zone, Islamabad Pakistan</i>	2021-2022
15.	Amin Ur Rehman	<i>Wood Density and Biomass along the climatic gradient of the Hindu-Himalayan Forests</i>	2020-2021
16.	Muhammad Suliman	<i>Carbon Sequestration in woody vegetation of the Temperate Forest of Hindu Kush Mountains</i>	2020-2021
17.	Dost Muhammad	<i>Variations in the ecological characteristics of woody plants along the Monsoon gradient of Northern Pakistan</i>	2020-2021
18.	Hameed Ullah	<i>Vegetation Assessments under the influence of environmental variables in the Yakhtangay hill, District Shangla, Pakistan</i>	2020-2021
19.	Sara Shehzadi	<i>Biological assessment of Arisaema jacquemontii; a species of temperate mountains of Pakistan</i>	2020-2021
20.	Khadija Rehman	<i>Ecological assessment of vegetation along the pollution gradient; a case study from the Rawal Lake and Shahdara Stream</i>	2019-2020
21.	Shakil Ahmad Zeb	<i>Sapio-Temporal and Phytogeographical Analysis of the Riparian Vegetation under various environmental variables along the River Panjkora District Dir Lower, Khyber Pakhtunkhwa, Pakistan</i>	2019-2020
22.	Yaseen Khan	<i>Comparative studies of different varieties of grapes grown in various geographical regions</i>	2019-2020
23.	Samana Azam	<i>Ecological assesment of Plant Communities along the environmental gradient of District Haveli, Azad Jammu & Kashmir</i>	2019-2020
24.	Mevish Mumshad	<i>Phyto-ecological studies and Distribution pattern of Plant</i>	2019-2020

		<i>Communities in Dhirkot, Bagh, Azad Jammu & Kashmir</i>	
25.	Farmanullah	<i>Ethno-ecological assessments and nutritional analyses of Vitis vinifera L. grown in Bajaur, Pakistan</i>	2018-2019
26.	Syeda Sabina Nizkat	<i>Comparative studies of Phyto-diversity within and around the Ayubia National Park with reference to species conservation</i>	2018-2019
27.	Sanam Asmat	<i>Plant species distribution and community pattern along environmental gradient of the Chitral Gol National Park</i>	2018-2019
28.	Abdul Rahman	<i>Ethno-biological and nutraceuticals evaluations of selected Grape cultivars from Quetta, Pishin and Bannu regions of Pakistan</i>	2018-2019
29.	Abdullah	<i>Ecological Assessment, Conservation Status and Restoration Strategies for Nannorrhops ritichiana (Griff.) Aitch. in the Agency of Bajaur, FATA, Pakistan</i>	2018-2019
30.	Fatima Abid	<i>Ecological Evaluations of Plant Communities and its Indicator Species under the influence of Edaphic Factors; A Case study from the Khad Valley, Kallar Syedan, Rawalpindi, Pakistan</i>	2018-2019
31.	Saifullah	<i>Ecological Comparisons of Vegetation and Soil along the Fresh and Salty Water Regimes in Bannu and Karak, Pakistan</i>	2018-2019
32.	Batool Zahra	<i>Phytosociological Studies of the Nagar Valley, Gilgit Baltistan, Pakistan</i>	2018-2019
33.	Fazal Manan	<i>Conservation and Ethno-ecological Studies of Parrotiopsis jacquemontiana (Dcne.) Rehder in Dir, KP, Pakistan</i>	2017-2018
34.	Saqib Kamran	<i>Role of the Graveyards in phyto-diversity and species conservation; a pilot study from the District Bannu, KP Pakistan</i>	2017-2018
35.	Zahoor Ul Haq	<i>Ecological distribution and Syntaxonomic evaluation of Alder (Alnus nitida (Spach) Endl.Gen.) of the Northern Pakistan</i>	2017-2018
36.	Arooj Ashraf	<i>Application and effect of Plant Growth Promoting Bacteria isolated from medicinal plants on root development</i>	2017-2018
37.	Shahzada Azizullah Khan	<i>Phytogeographical Classification and Multivariate Vegetation Analyses of the Jambil Valley, District Swat, Pakistan</i>	2017-2018
38.	Zeeshan Ahmad	<i>Isolation and Characterization of Microbial flora in Marble Waste Polluted Ecosystem of District Buner, Pakistan</i>	2017-2018
39.	Majid Iqbal	<i>Phyto-ecological and Edaphological evaluation of Quaid-i-Azam University Campus Islamabad Pakistan in the scenario of anthropogenic activities</i>	2017-2018
40.	Kainat Fatima	<i>Phytosociological Quantification of Vegetation under the influence of Edaphic Factors in the Nala Ban region of District Kotli, Azad Jammu and Kashmir</i>	2017-2018
41.	Murtaza Hussain	<i>Floristic exploration and quantitative ecological study of the Zeran Valley, Kurram Agency, Pakistan</i>	2016-2017
42.	Iram Noreen	<i>Phytogeographic studies of a polluted ecosystem, the area around Nashpa gas plant in District Karak, Pakistan</i>	2016-2017
43.	Sohail Anwar	<i>Floristic composition, Vegetation analyses and Ecological Gradient of the Laikot forests in Kalam, District Swat, Pakistan</i>	2016-2017
44.	Sana Rasheed	<i>Impact of the Tobas (water bodies) on pattern, composition and richness of vegetation; A case study of the Cholistan desert, Bahawalpur, Pakistan</i>	2016-2017
45.	Muhammad Abbas Khan	<i>Species Diversity and Ethnobotanical Study of Allai Valley in the Western Himalayan Region of Pakistan</i>	2016-2017
46.	Shehroz Anum	<i>Effect of endophytic strain Kocuria rhizophila 14 asp. on the growth of selected ornamental plants against Nickel (Ni)</i>	2015-2016
47.	Abdussalam	<i>In vitro and in vivo evaluation of diverse bread wheat genotypes for drought stress tolerance</i>	2015-2016
48.	Iram Gul	<i>Bioconversion of Quercus glauca (Blue Japanese Oak) seed cones into biofuel using nanotechnology</i>	2015-2016
49.	Saeed Ur Rahman	<i>Systematic studies of family Berberidaceae</i>	2015-2016
50.	Farwa Kiran Rafi	<i>Biodiesel production from Citrus fruit using Transesterification</i>	2015-2016

51.	Ghana Maqsood	<i>Physico-chemical Analysis of Biodiesel Production from Filbert Tree</i>	2015-2016
52.	Umar Nawaz Khan	<i>Bioconversion of (Eucalyptus Globulus Labillardière) Biomass into Fuel by using Nanotechnology</i>	2015-2016
53.	Imran Aziz	<i>Floristic Evaluation and Vegetation analyses of the Bagh Duskheil Valley, District Dir Lower</i>	2015-2016
54.	Ahmad Zeb	<i>Altitudinal gradient analyses of the Balakot Forests of District Swat in the Hindukush Range of Mountains</i>	2015-2016
55.	Riazul Haq	<i>Plant Species Composition and Communities Pattern of the Doag Dara, District Dir Upper</i>	2015-2016
56.	Saira Bano	<i>Floristic Analyses of the Beer Hills along the Indus River of Districts Haripur and Abbottabad Pakistan</i>	2015-2016
57.	Murad Khan	<i>Vegetation Analyses of the Mount Eelum, District Swat through Multivariate approach</i>	2014-2015
58.	Bakht Naz	<i>Evaluation of Rape Seed Genotypes for Morphological Traits and Chemical Composition</i>	2014-2015
59.	Rabia Noor	<i>Morphological and Agronomic Characterization of Lentil Germplasm at Swat, Pakistan</i>	2014-2015
60.	Shamaila Bibi	<i>The Effect of Organic Nutrient and Potassium Application on Agronomic Traits of Strawberry</i>	2014-2015
61.	Akbar Zeb	<i>Phytosociological Studies of Vegetation of Biha Valley, District Swat</i>	2014-2015
62.	Hayatullah	<i>Floristic diversity and Quantitative Description of Vegetation of Mankial Valley</i>	2014-2015
63.	Aziz Ur Rahman	<i>Effect of Environmental Variables on Plant Species Composition: A Case Study of the Peochar Valley District Swat, Pakistan</i>	2014-2015
<i>Students under supervision - MPhil</i>			
64.	Jawad Hussain	<i>Ehtno-Ecological studies and Species Distribution Modelling of the selected medicinal Endemic plants from Northern Pakistan</i>	2023-2025
65.	Nazir Mohammad	<i>Functional Ecology of the Quercus incana Roxb. Forests from Swat, Pakistan with special reference to its Carbon sequestration potential</i>	2023-2025
66.	Muhammad Shakeel Khan	<i>Distribution modeling of the prioritized endemic plants of Hindu-Himalayas with special focus on their conservation</i>	2023-2025
67.	Zareena Batool	<i>Ecosystem services and plant associations of the Shyok valley, Karakoram, Pakistan: a case study from the cold desert</i>	2023-2025
68.	Muhamamd Asif Nawaz	<i>Role of Graveyards in vegetation conservation; a case study from southern Khyber Pakhtunkhwah</i>	2023-2025
69.	Maria Abdul Ghaffar	<i>Evaluation of the Industrially polluted zone of District Okara, Punjab, Pakistan</i>	2023-2025
70.	Zaki Ur Rahman	<i>Industrial pollutants in relation to vegetation in the District of Qasoor, Punjab, Pakistan</i>	2023-2025
71.	Madeeha Zaheer	<i>Household waste and its impact on vegetation</i>	2023-2025
72.	Habiba Shah	<i>Population ecology of Walnut (Juglans regia L.)</i>	2024-2026
73.	Zulekha Munir	<i>Population ecological studies of Broussonetia papyrifera L.</i>	2024-2026
74.	MahNoor	<i>Calotropis procera (Aiton) W.T.Aiton – A plant of multiple utilization</i>	2024-2026
75.	Saima Batool	<i>Lonicera – Distribution</i>	2024-2026
76.	Aleeza Arif	<i>Sialkot Industrial Waste in relation to the aquatic ecosystem</i>	2024-2026
77.	Syeda Shabeehat Uzzahra	<i>Deosai plateau a cradle of medicinal plants</i>	2024-2026
78.	Zeeshan Ullah	<i>Chagharzai Valley in the scenario of Carbon Sink</i>	2024-2026
<i>Students supervised – BS/MSc</i>			
79.	Sana Batool	<i>Distribution of weeds in the selected Kharif crops under the influence of ecological variables</i>	2023-2024
80.	Maham Ayesha	<i>A Comparative Study of Weeds Abundance in The Cotton Rice and Maize Crops Under the Influence of Edaphic and Anthropogenic</i>	2023-2024

		<i>Drivers</i>	
81.	Nazneen Bangash	<i>Carbon Sequestration Potential of Chinar (Platanus orientalis L.) in Parrachinar City, Pakistan</i>	2022-2023
82.	Ifrah	<i>Vegetable, Fruits and indigenous food recipes; a case study of the District Bahawalnagar, Pakistan</i>	2022-2023
83.	Laila Khan	<i>Bioremediation potential of Micro Fungi, isolated from the Marble Waste Polluted Ecosystem</i>	2021-2022
84.	Tehsin Ullah	<i>Optimization study of different varieties of grapes under agro-climatic condition of Distract Bannu</i>	2020-2021
85.	Amina Shoukat	<i>Carbon Sequestration Capacity of the Woody Vegetation in the Selected National Parks Hindu-Himalayan Forests of Pakistan</i>	2020-2021
86.	Tayyaba Jahan	<i>Vegetation in Bansra Gali National Park, Murree Pakistan; a preliminary ecological approach</i>	2017-2020
87.	Ateeqa Khalid	<i>Biological Spectrum of vegetation in the Bansra Gali National Park, Murree, Pakistan</i>	2017-2020
88.	Maham Rana	<i>Assessment of morphological traits and optimization of temperature for raisins preparation from selected grape varieties of Pakistan</i>	2017-2020
89.	Zeeshan Ahmad	<i>Weed species composition and distribution pattern in maize crop of Shahbaz Ghari, District Mardan</i>	2014-2015
90.	Shahab Ali	<i>Assessment of ornamental plant species grown in Home Gardens of Rustam, District Mardan</i>	2014-2015
91.	Keturah Smithson	<i>The effects of substrate on the invertebrates in the River Eye Brook, Leicestershire, UK</i>	2010-2011
92.	Lisa Smallwood	<i>Assessing recent macrophytes response to alterations in water chemistry in the River Welland, England</i>	2010-2011
93.	Noorullah	<i>Floristic and vegetation distribution of the Lalku Valley District Swat</i>	2007-2008
94.	Bakht Zada	<i>Ethnobotanical study of Nelonai Khwarr catchment District Shangla</i>	2007-2008
95.	Akbar Zeb	<i>Ethnobotanical study of the Dughalgay Valley District Swat.</i>	2007-2008
96.	Ayesha Azeem	<i>Important medicinal trees of Hazara Division, NWFP</i>	2007-2008
97.	Raja Saifur Rahman	<i>The Common Tree Species of Abbottabad City</i>	2007-2008

Books published

- Münir Öztürk, Shujaul Mulk Khan, Volkan Altay, Recep Efe, Dilfuza Egamberdieva, Furkat O. Khassanov, 2022. Biodiversity, Conservation and Sustainability in Asia: Volume 2: Prospects and challenges in South and Middle Asia. pp 1096. Springer International Publishing, ISBN 3030739422, 9783030739423. <https://link.springer.com/book/10.1007/978-3-030-73943-0>

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Papers published

Total Impact factor: 400 +

h index = 41, i index = 110, citations = 5300+

Research papers published in journals having Impact Factor - W category journals

- Ejaz U., Khan S. M., & Svenning J. C.. Advanced SOM-Based Spatial Analytics and Data-Driven Risk Assessment for Evaluating Ecological and Human Health Risks from Heavy Metal Contamination. *Journal of Hazardous Materials Advances* (Under Review).

2. Ejaz U., Khan S. M., & Svenning J. C.. Anthropogenic Disturbance Amplifies Alien Plant Dominance, Driving Irreversible Homogenization of Riparian Vegetation. Nature Ecology and Evolution (Under Review).
3. Ahmad, Z. **S. M. Khan***, 2024. *Micro Fungal Remediation for Heavy Metals Pollution: A Molecular and Ecological Approach to Environmental Sustainability*. Journal of Cleaner Production, (Under Review). (ID = JCLEPRO-D-23-37149) (IF=11.10, Q1).
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5. Qamar, A., Ali, S., & **Khan, S. M. *** (2024). Elaborating solutions for bringing sustainability in the air-polluted urban environment via use of plants' anticipated performance and air pollution tolerance indices. Urban Climate, 58, 102156. (IF=6, Q1).
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190. Ijaz, F., I. U. Rahman, Z. Iqbal, J. Alam, N. Ali & **S. M. Khan***, 2018. *Ethno-ecology of the Healing Forest of Sarban Hills, Abbottabad, Pakistan: A Medicinal and Economic Appraisal*; In the Ozturk, M. and K.R. Hakeem (Eds.) “Plant and Human Health, Volume 1; Ethnobotany and Physiology”, pp 675-706. Springer; ISBN 978-3-319-93996-4. DOI. 10.1007/978-3-319-93997-1_20. <https://www.springer.com/us/book/9783319939964>
191. Taj, R., I. U. Rahman, A. H. Shah, S. M. Khan*, A. Afzal, N. Ali, Z. Iqbal, & F. Ijaz, 2018. *Plant Resources and Human Ecology of Tarnawae, Area District Abbottabad Pakistan*; In the Ozturk, M. and K.R. Hakeem (Eds.) “Plant and Human Health, Volume 1; Ethnobotany and Physiology”, pp 731-756. Springer; ISBN 978-3-319-93996-4. DOI. 10.1007/978-3-319-93997-1_23. <https://www.springer.com/us/book/9783319939964>

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192. H. Ahmad, M. O. Turk, W. Ahmad & **S. M. Khan***, 2015. *Status of Natural Resources in the Uplands of the Swat Valley, Pakistan*; In the Ozturk, M., K.R. Hakeem, I. Faridah-Hanum and R. Efe, (Eds.) “*Climate Change Impacts on High-Altitude Ecosystems*”, pp 49-98. Springer; ISBN 978-3-319-12858-0. <http://www.springer.com/us/book/9783319128580>
193. **Khan, S. M.*** & H. Ahmad, 2015. *Species Diversity and use patterns of the alpine flora with special reference to climate change in the Naran, Pakistan*; In the Ozturk, M., K.R. Hakeem, I. Faridah-Hanum and R. Efe, (Eds.) “*Climate Change Impacts on High-Altitude Ecosystems*”, pp 155-175. Springer; ISBN 978-3-319-12858-0. <http://www.springer.com/us/book/9783319128580>

Blogs

194. **Manan, F. & Khan, S. M., 2014.** “*Cultivating Slow Food in Pakistan: Empowering Farmers for a Healthier Future*” Slow Food, <https://www.slowfood.com/blog-and-news/from-farm-to-the-dining-table-a-slow-food-activity-from-pakistan/> October 10, 2024.
195. **Khan, S. M., 2014.** “*Scientists look for a common language in Himalaya’s Ecology*”, Botany One (B1). <https://botany.one/2014/11/scientists-look-common-language-himalaya-ecology/>, November 10, 2014.

196. **AJ Cann & Khan, S. M., 2013.** “Plant biodiversity conservation in montane ecosystems”. <https://botany.one/2013/10/plant-biodiversity-conservation-montane-ecosystems-invited-review/> , October 21, 2013.

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197. Shah, M., Ullah, T., & **Khan, S. M.**, 2023. *Papri*. <https://www.fondazioneslowfood.com/en/ark-of-taste-slow-food/papri/>
198. Shah, M., Ullah, T., & **Khan, S. M.**, 2023. *Kakori*. <https://www.fondazioneslowfood.com/en/ark-of-taste-slow-food/kakori/>
199. Abbas, W., Abdullah, & **Khan, S. M.**, 2023. *Kurramewaly Wrezhay - Rice*. <https://www.fondazioneslowfood.com/en/ark-of-taste-slow-food/kurramewaly-wrezhay-rice/>
200. Abbas, W., **Khan, S. M.** & Abdullah, 2023. *Wild Fig, Inzhar or Injeer*. <https://www.fondazioneslowfood.com/en/ark-of-taste-slow-food/wild-fig/>
201. Abbas, W., **Khan, S. M.** & Abdullah, 2023. *Wild Cherry - Arghenja Torbai*. <https://www.fondazioneslowfood.com/en/ark-of-taste-slow-food/wild-cherry/>
202. Abbas, W., **Khan, S. M.** & Abdullah, 2023. *Ranzhokhay Bread* <https://www.fondazioneslowfood.com/en/ark-of-taste-slow-food/ranzhokhay-bread/>
203. Ullah, T., & **Khan, S. M.**, 2023. *Sweet Crumbled Bread – Choori* <https://www.fondazioneslowfood.com/en/ark-of-taste-slow-food/sweet-crumbled-bread/>
204. Ullah, T., & **Khan, S. M.**, 2023. *Spin Sari Halwa* <https://www.fondazioneslowfood.com/en/ark-of-taste-slow-food/spin-sari-halwa/>

Books published (Theses in book format) - (Though the publisher is not that much respected by HEC)

205. Ahmad, Z. and **S. M. Khan**, 2016. *Weed species distribution pattern in maize crop of Mardan, Pakistan*. ISBN 978-3-659-96215-8, pp 84.
206. Khan, M., **S. M. Khan** and M. Ilyas, 2015. *Changes in Vegetation along elevation in the Mount Eelum, Swat Pakistan*. ISBN 978-3-659-70942-5, pp 99.
207. **Khan, S. M.**, S. Bibi and H. Ahmad, 2015. *The Effect of Organic Nutrient Complex and Potassium on Strawberry*, SBN 978-3-659-69358-8, pp 99.
208. **Khan, S. M.**, A. Azeem and H. Shaheen, 2012. *Ethnobotanical Profile of Medicinal Trees from the Lesser Himalayas*. ISBN 978-3848435234, pp 108.
209. Alam, N., **S. M. Khan**, and Z. Ullah, 2011. *Present Status of Sub Tropical Dry Deciduous Forests of Pakistan*. ISBN 978-3-8465-5209-4, pp 232.
210. **Khan, S. M.**, A. Zeb and H. Ahmad, 2011. *Medicinal Plants and Mountains; Long-Established Knowledge in the Indigenous People of Hindu Kush*. Müller e.K. Seiten, Germany; ISBN 978-3-639-32698-7, pp 144.
211. **Khan, S. M.**, H. Ahmad and M. Nisar, 2010. *Elaboration of Genetic Diversity in Peas; Use of Molecular DNA Markers*. Müller e.K, Seiten, Germany; ISBN 978-3-639-30116-8, pp 84.

Media Coverage and Outreach (News articles/blogs/interviews published)

- i. Main points of my guest speech on the occasion of celebrations of “World’s Water And Forest Days” were published by Technology Times. March 22nd , 2023. <https://www.technologytimes.pk/2023/03/23/qalb-organizes-online-event-on-worlds-water-and-forest-day/>
- ii. My interview about Climate Change, Forest Fires, and Food Security on HUM Pashto 1 TV show " Pakhair Pakhtunkhwa | S2 Episode 08 | Morning Show | HUM Pashto 1 August 3rd, 2022. <https://www.youtube.com/watch?v=PB7AkqIQU-U&t=2267s>
- iii. My interview about Climate Smart Plantation, Role of Farmers, Researchers, Institutions and Media on HUM Pashto 1 TV show " Pakhair Pakhtunkhwa | S2 Episode 08 | Morning Show | HUM Pashto 1 February 7th, 2022. <https://www.youtube.com/watch?v=vFcf4VVUZ1k&t=16s>
<https://www.youtube.com/watch?v=deyAzQE2Qjo&t=1673s>

- iv. My interview about Science, Plant Sciences, Plants, Plantation and its importance in relation to the environment, climate, pollution and policies on HUM Pashto 1 TV show "Pakhair Pakhtunkhwa"! episode 147. January 4th, 2022. <https://www.youtube.com/watch?v=KYIV9paHdkg&t=2071s>
<https://www.youtube.com/watch?v=A3UIW0kyM8o&t=225s>
- v. Celebrations of the World Soil Day December, 5th, 2021 "Halt Salinization and Boost Productivity" were on QAU and FAO Websites; <https://qau.edu.pk/world-soil-day-celebrations-at-qauid-i-azam-university-islamabad/> as well as PAS News Letter January, 2022; <https://www.paspk.org/newsletter/>
- vi. Obituary of Prof Dr Habib Ahmad (Late) in the News Letter (April 2021) of Pakistan Academy of Sciences. <https://www.paspk.org/all-newsletters/>
- vii. My interview on Grapes Cultivation - Farmers training at Village Sewae Tehsil Mamund, District Bajaur, Pakistan by Dr Shujaul Mulk Khan, Assistant Professor Department of Plant Sciences, QAU and Principal Investigator ALP PARC Project "Identification of potential ecological zone for introduction of suitable Grape (*Vitis vinifera* L.) Varieties; a step towards poverty alleviation and sustainable development in the FATA region of Pakistan". <https://www.youtube.com/watch?v=5NuLuHc4tws>
- viii. Grapes Cultivation - Seminar at Post Graduate College Khar Bajaur by Dr Shujaul Mulk Khan, Assistant Professor Department of Plant Sciences, QAU and Principal Investigator ALP PARC Project "Identification of potential ecological zone for introduction of suitable Grape (*Vitis vinifera* L.) Varieties; a step towards poverty alleviation and sustainable development in the FATA region of Pakistan" <https://www.youtube.com/watch?v=48tDTEXAHdg&list=UUAOXtvbuzaHsbl9AuXNu3QQ&index=23>
- ix. Celebrations of the World Soil Day December, 5th, 2018 "Be the Solution to Soil Pollution" were featured in different national newspapers i.e., Technology Times, The News, The Nation, Dawn, Pakistan Observer, Urdu Point etc.
<https://www.technologytimes.pk/world-soil-day-2018-soil-pollution/>
<https://www.urdupoint.com//qauid-i-azam-university-observe>
<https://www.thenews.com.pk/print/403163-qau-marks-soil-day>
<https://nation.com.pk/08-Dec-20.../qau-observes-world-soil-day>
<https://pakobserver.net/world-soil-day-observed-at-qau/>
https://article.wn.com/view/2018/12/08/QAU_marks_soil_day/
- x. *Achievements of the 7th HEC Outstanding Research Award for the year 2017 (Function held on August 7th, 2019)* were published by different national newspapers i.e., Technology Times, The News, The Nation, Dawn, Pakistan Observer, Urdu Point and HEC etc.
<https://hec.gov.pk/english/services/faculty/HEC%20Outstanding%20Research%20Awards/Pages/Introduction.aspx>
<https://www.technologytimes.pk/hec-outstanding-research-awards-scholars/>
<https://www.thenews.com.pk/print/510367-hec-awards-52-outstanding-scholars>
<https://www.urdupoint.com/en/pakistan/hec-chairman-urges-academia-to-focus-on-subst-685709.html>
- xi. News article coauthored with Zahoor Ul Haq under the title "*Improvised infrastructure of Peshawar city to make it Green and Ecofriendly May 28, 2018*" was published in Scientific Newspaper Technology Times <https://www.technologytimes.pk/infrastructure-peshawar-ecofriendly/>
- xii. An interview on "*the close relationship between ecosystem, culture of a people and biodiversity and explaining the role of the Islamic religion in the Pashtun culture*" was published and recorded in archives of Gastronomic Sciences at the Granaries of Memory project. <http://www.granaidellamemoria.it/index.php/it/archivi/storie-di-vita/shujaul-mulk-khan>
- xiii. An interview by Alessandra Abbona on title "*Discovering the cultural and natural heritage of Himalayan Pakistan – March 13, 2018*", was published in Magazine of University of Gastronomic Sciences Pollenzo, Bra, Italy. <https://www.unisg.it/en/voices/discovering-the-cultural-and-natural-heritage-of-himalayan-pakistan/>
- xiv. A blog titled "*7th International and 16th National Conference on Plant Resources: Current Trends, Challenges and Solutions - January 29, 2018*", highlighting the importance of the Congress of Pakistan Botanical Society, was published as a blog on Botany One - the Annals of Botany-Oxford Press page. <https://www.botany.one/2018/01/7th-international-16th-national-conference-plant-resources-current-trends-challenges-solutions/>
- xv. An interview by Rehmat Mehsud on title "*Significant drop in groundwater levels poses serious threat to Pakistan's survival - April 27, 2016*", emphasizing that disappearing groundwater is the out of sight threat, was published in the News Lens Pakistan. <http://www.newslens.pk/pakistanfastdepletingwaterresourcesposeseriousthreatcountrysurvival2/>

- xvi. A blog titled “*Scientists look for a common language in Himalaya ecology - November 10, 2014*”, highlighting the importance of Wild Life Conservation in the Hindu-Himalayas and an international event related to it was published as a blog on Botany One - the Annals of Botany-Oxford Press page.
<https://www.botany.one/2014/11/scientists-look-common-language-himalaya-ecology/>

Trainings for capacity Development

1. Four days Capacity Building Training for Green Youth Movement’s Focal persons, “Climate Action Education Curriculum and Digital Learning Portal”, organized by British Council, PYLI, GYM, PMYP & EAA; July 29th to August 2nd, 2024.
2. 7th Postgraduate Career Symposium for ***Research Postgraduates and Research Staff*** organized together by College of Medicine, Biological Sciences & Psychology, at University of Leicester, UK. January 12, 2012.
3. Midlands’ hub vitae event “***Finish up & Move on Course***” organized by six Midland Universities and Imperial College London, at University of Leicester, UK. April 30 – May 1st, 2012.
4. Training Session for PhD internship scheme with De Montfort & Leicester Universities, UK. April 26, 2012.
5. Advanced database searching & bibliographic software: use of ENDNOTE, University of Leicester, UK. March 16, 2010.
6. General Presentation Skills, University of Leicester, UK. February 22, 2010.
7. Improving MS- PowerPoint presentations, University of Leicester, UK. February 04, 2010.
8. Off to a conference? Posters preparation and presentation, University of Leicester, UK. February 02, 2010.
9. Training workshop “Presenting Research to Different Audiences” Student Development Zone University of Leicester, UK. March 18, 2011.
10. Giving research seminars and conference talks, University of Leicester, UK. January 09, 2010.
11. Experimental design & practical statistics, University of Leicester, UK, January 26, 2010.
12. Writing up your research for publication, University of Leicester. UK, January 18, 2010.
13. Creativity and Problem Solving Workshop, University of Leicester, UK. December 14, 2009.
14. Use of MS Word for Long Documents, University of Leicester, UK. March 11, 2009.
15. Advanced Database Searching; Bibliographic software & keeping up to date; use of REFWORKS for Biomedical scientists, University of Leicester, UK. March 10, 2009.

Conferences/Symposia/Workshops/Events organized

1. Organized “The International Conference on Sustainable Ecology and Environment” at the National Research University TIIAME, Tashkent Uzbekistan; 15 to 18 October, 2024.
2. Organized an International Seminar on “*Exploring the plant diversity of the Amazon – the World’s largest wilderness*” at Quaid-i-Azam, University Islamabad, Pakistan; October 7., 2024.
3. Organized 10th National Conference on the “*Impact of Climate Change on Biodiversity and Natural Resources*” at Baragali Summer Campus, University of Peshawar, Pakistan; July 09-11, 2024.
4. Being Vice President of the International Society of Ethnobiology, organized 18th ISE Congress of the ISE “*Biodiversity & Cultural Landscapes: Decolonial, Indigenous and Local Perspectives*” at the Cadi Ayyad University of Marrakech, Morocco; May 15 – 19, 2024.
5. QAU Expo for Job & Enterpenureship, organized by Directorate of Career Counselling and Directorate of ORIC; Quaid-i-Azam University Islamabad Pakistan - 7th May 2024
6. Organized the International *Symposium on “The Economically important plants of the Himalayas – a shared wealth of Pakistan and China”* at Pakistan Academy of Sciences; April 26th, 2024.
7. Organized the PAS-QAU Workshop “*Ensuring Biosafety: Empowering Trainers in Risk Management and Biosecurity*” Bara Gali Campus, University of Peshawar, August 12-14, 2023.
8. Arranged as a focal person the ‘**Plantation Drive**’ by Planting 15000 plants, with the Help of Society of Ecology & Mangroves Protection (SEMP) and Stabndard Charderd Bank of Pakistan at the Botanical Garden, Quaid-i-Azam University Islamabad; 24th February, 2023.
9. Organized in Collaboration with GIZ and IPC an International Conference for Parliamentarians – National and International on ‘Road Safety’ at Serena Hotel, Islamabad Pakistan: February 07-09, 2023.
10. Organized/Celebrated World Mountains Day at Bayanaul Nationl Park Kazakhstan from the platform of Toraihyrov University Pavlodar, Kazakhstan: December 11^h, 2022.
11. Organized/Celebrated World Soil’s Day at Toraihyrov University Pavlodar, Kazakhstan jintly organized virtually by QAU Islamabad: December 5th, 2022.
12. Being visiting faculty of the UNISG, organized three days “*Symposium Toward the International Society for Gastronomic Sciences and Studies*” at the UNISG Pollenzo and University of Turin Italy; September 23 – 25, 2022.
13. Organized 9th National Conference on the “*Biodiversity, Climate Change and Carbon Sequestration*” at Baragali Summer Campus, University of Peshawar, Pakistan; June 21 - 24, 2022.
14. Organized one Day Seminar on World Endangered Species Day Celebrations of 2022 “*World Endangered Species Day*”, organized by Department of Plant Sciences, ORIC and Pastic at Quaid-i-Azam University Islamabad; May, 20th, 2022.
15. Organized one Day Seminar on World Soil Day Celebrations of 2021 “*Halt Salinization and Boost Productivity*”, organized by Department of Plant Sciences, ORIC and Pastic at Quaid-i-Azam University Islamabad; December 7th, 2021.
16. Fourth International Conference on “*Biosciences (ICBS-2021)*” organized by Department of Plant Sciences Quaid-i-Azam University at PAS Islamabad, Pakistan; June 15th, 2021.
17. AASSA-PAS Webinar III / Hybrid Workshop on “*How to Counter Infodemics: Role of Scientists & Role of Complementary Medicine in Pandemics*” and “*Diagnosis, Critical Care; Vaccines and Herd Immunity*” May 25, 2021.
18. One Week Training on “*R Software & Ecological Modelling*” at Plant Ecology & Conservation Lab. Department of Plant Sciences, Quaid-i-Azam University Islamabad; March 7-12, 2020.
19. World Soil Day Celebrations of 2019 with the theme “*Stop Soil Erosion*” at Quaid-i-Azam University Islamabad Pakistan; December 12th, 2019.
20. World Soil Day Celebrations of 2018 with the theme “*Be the Solution to Soil Pollution*” at Quaid-i-Azam University Islamabad Pakistan; December 5th, 2018.
21. 7th International and 16th National Conference of PBS on “*Plant Resources: Current Trends, Challenges and Solutions*” at Islamia College University Peshawar Pakistan; March 23-27, 2018.
22. 14th international seminar on “*Ethno-ecologies in Pakistani Himalaya*” in the Gastronomy event "Food in the World - Food Ecologies and Sovereignty" at the University of Gastronomic Sciences University of Pollenzo, Bra, Italy; February 19 – 25, 2018.
23. 1st international conference on “*Emerging Trends in Plant Proteomics*” at Department of Plant Sciences Quaid-i-Azam University Islamabad, Pakistan; October 1 - 3, 2017.
24. 7th National Conference on the “*Biodiversity Conservation, Livelihood and Sustainable Development*” at Baragali Summer Campus, University of Peshawar, Pakistan; July 10 - 12, 2017.

25. One day Training Workshop on “*Climate Change; Can we make a difference*” at Islamia College University Peshawar, Pakistan; May 17th, 2017.
26. 6th National Conference on the “*Climate Change and Biodiversity Conservation Issues of Pakistan*”. At Baragali Summer Campus, University of Peshawar, Pakistan; June 1 - 4, 2016.
27. Second International Symposium on the “*Biodiversity of Pakistan: Prospects and Associated Issues*”, Baragali Summer Campus University of Peshawar; May 22 - 24, 2016.
28. First International Symposium on “*The Himalayas of Pakistan; Resources and Conservation Issues*”, Hazara University, Mansehra; November 27 - 30, 2014.
29. HEC Sponsored Training Course on “*Utilization of DNA Technology for Plant Improvement*”, Department of Genetics, Hazara University, Mansehra; May 22 - 26, 2007.
30. HEC Workshop on “*Teachers Training Course in Plant Taxonomy*”, Department of Botany, Hazara University, Mansehra, Pakistan; April 19 - 24, 2007.
31. Workshop on “*Natural and Cultural Resources of Pakistan*”, organized by Hazara University Mansehra at Barra Gali Abbottabad (summer campus, University of Peshawar) Pakistan; August 23 - 25, 2006.

Participation and abstracts publication in the Conferences/Symposia/Workshops as invited speaker

1. **Khan, S. M.**, 2024 (As a Key Note Speaker). ‘*Environmental issues and possible solutions in the scenario of climate changes*’ in the **International Conference on “Emerging Issues of Environmental Degradation, Natural Hazards and Water Security”**; Pakistan Academy of Sciences; June 2-4, 2024.
2. **Khan, S. M.**, 2024 (Master Trainer and Key Note Speaker) ‘*Future of ethnobiology*’ in the Pre-congress of 18th ISE Congress “**Train the Emerging Ethnobiologists for Future**” at the Zerkten Summer School, Morocco; May 11 – 14, 2024.
3. **Khan, S. M.**, 2024, (as a Key Note Speaker) ‘*Introducing students to the world of plants and natural Ecosystem*’ in the International Conference on “**Environmental issues and possible solutions in the scenario of climate changes**” at Pakistan Academy of Sciences; June 2-4, 2024.
4. **Khan, S. M.**, 2024, (as a Guest Speaker) ‘*Introducing students to the world of plants and natural Ecosystem*’ in the “**The Spring Plantation Campaign 2024**” organized by SOS Foundation in Collaboration with Ministry of Federal Education & Professional Training, Federal Directorate of Education, Environment Directorate CDA & Directorate of Career Counselling & GYM – QAU Islamabad; March 14, 2024.
5. **Khan, S. M.**, 2024 (As a Key Note Speaker). ‘*Future of Plants in the scenario of Climate Change*’ in the **Xishuangbanna Tropical Botanical Garden (XTBG) of Chinese Academy of Sciences (CAS)**, January 25th, 2024.
6. **Khan, S. M.**, 2023 (As a Key Note Speaker). ‘*Problems identification and solutions to address the problems of food systems and agriculture in the scenario of Climatic changes*’ in the **1st international Conference on “Innovations in Biotechnology And Genetic Engineering”**; Hazara University Mansehra, Pakistan, November 1st to November 3rd, 2023.
7. **Khan S. M.**, 2023 (As a Key Note Speaker). ‘*Agricultural System in the scenario of Climate Change; identification of problems*’ in the 4th Three Days International Conference on “**Climate Change Water Security and Future of Agriculture in Current Scenario: Suggesting the way Forward for sustainable agricultural Growth**”; at the Shah Abdul Latif University Khairpur, Sindh Pakistan, October 24-26, 2023,.
8. **Khan, S. M.**, 2023 (As a Key Note Speaker). ‘*Climate Change Scenario; Problems Identification and Their Solutions*’ in “**the 5th Mustafa Award Ceremony and parallel 9th Science & Technology Exchange Program (STEP), at Isfahan Iran**”; September 30th to October 5th, 2023.
9. **Khan, S. M.**, 2023 (As a Key Note Speaker/Master Trainer). ‘*Field work and Plants Collection; Risk Assessment & Management*’ in “**the ANSO-PAS-QAU Workshop - Ensuring Biosafety: Empowering Trainers in Risk Management and Biosecurity**” Bara Gali Campus, University of Peshawar August 12-14, 2023.
10. **Khan, S. M.**, 2023 (As a Plenary/Invited speaker). ‘*Future of our plantation in the climate change scenario*’ in “**the National Conference on Plant Sciences and Climate change**” (August 9 – 11, 2023) at **Shaheed Benazir Bhutto University Sheringal, Dir Upper, Pakistan**.
11. **Khan, S. M.**, 2023 (As a Plenary/Invited speaker). *Climate smart plantation in western borders of Pakistan through promoting grapes cultivation in Pakistan in “2nd International Conference (Hybrid*

- mode) on **“Recent Approaches in Plant Sciences (RAPS-2023)”** (May 4 - 5, 2023) at University of Education, Lahore, Pakistan.
12. **Khan, S. M.**, 2023 (As an invited speaker). *Climate Smart Horticulture in Pakistan in the International Horticulture Conference (IHC 2023) on “Sustainable Horticulture: Challenges, Innovations and Adaptations”* (February 23 – 25, 2023) at MNS-University of Agriculture, Multan 6000 Pakistan.
 13. **Khan, S. M.**, 2023 (As an invited speaker). *Future of our plantation in the climate change scenario in the “3rd International Conference on Biological Research and Applied Science - IBRAS-2023”* (January 17 – 19, 2023) at Jinnah University for Women, Karachi, Pakistan.
 14. **Khan, S. M.**, 2022 (As an invited speaker - virtually). *Climate change mitigation through Carbon sequestration “1st International Conference on Climate Change ICC-2022”* (November 28 – 30, 2022) at the Islamia University of Bahawalpur, Pakistan.
 15. **Khan, S. M.**, 2022 (As an inspirational plenary Speaker). *Problems identification and solutions related to food systems in the scenario of climate change “Symposium Toward the International Society for Gastronomic Sciences and Studies”* (September 23 – 25, 2022) at the UNISG Pollenzo and University of Turin Italy.
 16. **Khan S. M.**, 2022 (As a Foreign delegate and Representative of Pakistan). In the World’s largest event of Food Sciences **“14th Edition of Terra Madre del Gusto”** arranged by Slow Food Association (SFA). Convened the South & Central Asian Network (SCARN) meeting and prepresented my country at Asia Pacific meeting as well as exhibition (September 21 – 27, 2022) at Parco Doro, Turin Italy.
 17. **Khan, S. M.**, 2021 (As an invited Speaker). *Assessment of Aboveground Carbon stock in the woody vegetation of the Kirthar Range of Mountain Sindh, Pakistan; a step towards climate change assessment. 3rd International Conference entitled “Climate Change and Traditional Agriculture Pattern in Pakistan: Implications and Solutions”* (October 26 – 28, 2021) at the Shah Abdul Latif University Khairpur, Sindh Pakistan.
 18. **Khan, S. M.**, 2021 (As an Resource Person). Thesis writing. **“A one Day Seminar for College Teachers of Haripur and Hazara Region”** (October 16th. 2021) at GPG College Haripur.
 19. **Khan S. M.**, 2020 (As an Invited Speaker/Visiting Professor/Main Organizer). *Traditional Knowledge and Agro-Biodiversity in Pakistani Himalaya*. The Gastronomy 3 days Online Event/Course **“World Food Cultures and Mobility - (MOGWFCM)”** (June 14 – 16, 2020) at the University of Gastronomic Sciences, Pollenzo, Bra, Italy (Via Blackboard Collaborate).
 20. **Khan, S. M.**, 2020 (As an invited Speaker). *Use of Ecological Indicators & Eco-informatics in Community Ecology & Plantation Drives*. One day International Seminar on “Biodiversity, Ecosystem & Functional Traits” (March 13th, 2020) at Pir Mehr Ali Shah (PMAS) Arid Agriculture University Rawalpindi, Pakistan.
 21. Z. Ahmad., **S. M. Khan***, 2020 (As an Invited Speaker). *Angiosperms distribution in the marble waste polluted ecosystem and driving microclimatic factors*. International Symposium on **“Plant Life of South Asia (on the successful completion of Flora of Pakistan Project)”** at the University of Karachi. February, 24 – 27, 2020.
 22. **Khan S. M.**, 2019 (As an Invited Speaker). *Rediscovering the Silk Route a world ancient and lost heritage by understanding the use pattern of natural biodiversity along the Himalayan and Karakorum valleys across this route*. International science and Research Conference "Historical, cultural and scientific heritage; Development of UNESCO World Heritage Sites in the Republic of Tatarstan" (December 03-05, 2019), at Kazan Tatarstan, Russia.
 23. **Khan S.M.**, 2019 (As an Invited Speaker/Visiting Professor/Main Organizer). *Ethnoecologies in Pakistani Mountains; the Himalayas, Karakorum & Hindu Kush*. The Gastronomy 3 days Event/Course **“World Food Cultures and Mobility”** (July 07 – 14, 2019) at the University of Gastronomic Sciences, Pollenzo, Bra, Italy.
 24. **Khan, S. M.**, and M. Iqbal, 2019 (As an invited Speaker). *Quantification of weed species in wheat crop in the Malakand region of Pakistan*. 9th National Conference on **“Innovative Trends in Wheat: Way Forward to Sustainable Wheat Production”** (February, 12 – 14, 2019) at College of Agriculture, Sargodha University, Pakistan.
 25. **Khan, S. M.**, and F. Manan, 2018 (As an invited Speaker). *Assessment of conservation issues, status and associated plant species of Parrotiopsis jacquemontiana in the Hindu Kush Range of Mountains*. 2nd National Conference on **“Threats to Biodiversity and Ecosystems: Efforts to Resolve Current and**

- Future Challenges*” (November 26 – 28, 2018) at University of Science and Technology Bannu, Pakistan.
26. **Khan S. M.**, 2018 (As an Invited Speaker and foreign delegate). In the World largest event of Food Sciences "*Terra Madre del Gusto*" arranged by Slow Food Association (SFA) & Diffused Universities Network (DUN) (September 20 – 24, 2018) at Lingotto Oval, Turin Italy.
 27. **Khan, S. M.**, 2018 (As an invited Speaker). *Application of IUCN Criteria to evaluate Conservation Status of the Endemic Medicinal Plant Species in the Western Himalayan Mountain Range*. 2nd International Conference on the "*Conservation of Medicinal and Aromatic Plants for improving the Livelihood of Mountain Communities through Industrial Linkages*" (September 02 - 05, 2018) at University of Swat, Pakistan.
 28. **Khan, S. M.**, 2018 (As an invited Speaker). *The concept of Indicator Species in the Biodiversity Conservation*. 8th National Conference on the "*Biodiversity Conservation in Pakistan: Challenges and Solutions*" (July 8 - 10, 2018) at Baragali Summer Campus, University of Peshawar, Pakistan.
 29. **Khan, S. M.**, 2018 (As an invited Speaker). *Advances in Eco-Informatics and use of multivariate packages*. National Workshop on "*DNA Fingerprinting: Principles and Techniques*" (May, 07 – 09, 2018) at Centre for Omic Sciences Islamia College Peshawar, the Islamia College University Peshawar.
 30. **Khan S.M.**, 2018 (As an Invited Speaker as well as main organizer). *Ethnoecologies in Pakistani Himalayas*. The Gastronomy Event "*Food in the World - Food Ecologies and Sovereignty*" (February 19 – 25, 2018) at the University of Gastronomic Sciences, Pollenzo, Bra, Italy.
 31. **Khan, S. M.**, 2018 (As an invited Speaker). *How to conserve and safeguard endemic flora of the western Himalayas; a quantitative ecological approach*. Regional Conference of ASM & NASEM "*To promote Safe and Secure Science in the Middle East/North Africa and South/South east Asia*" (February 5 – 9, 2018) at the Sunway University Kuala Lumpur Malaysia.
 32. **Khan, S. M.**, and I. Norin, 2017 (As an invited Speaker). *The effect of pollution on plant species composition and abundance with special reference to sustainability around the Nahpa Gas & Oil Pant, District Karak, Pakistan*. National Conference on "*Sustainable Development through Biodiversity Conservation and Ecotourism*" (December 11 – 13, 2017) at University of Science and Technology Bannu, Pakistan.
 33. **Khan, S. M.**, 2017. *Phytodiversity in Cholistan Desert Bahawalpur with Special Reference to Toba (Water Bodies)*. As an invited speaker in 1st International Conference on "*Climate Change and Biodiversity (IC3B)*" (May, 02 – 04, 2017) at Cholistan Institute of Desert Studies (CIDS) The Islamia University of Bahawalpur. <http://ic3b.org/>
 34. **Khan, S. M.**, 2017. *Mountains and Plants Endemism; a special focus on Hind-Himalayas*. As an invited speaker in 1st International Conference on "*Plants; Their Chemical and Biological Applications for Today and Tomorrow*" (April, 12 – 14, 2017) at University of Gujrat, Pakistan. <https://us.eventbu.com/gujrat/1st-international-conference-on-plants-their-chemical-and-biol/2364209>
 35. Invited speaker in training Workshop on "*Research Planning, Data Analysis, Report Writing and Presentation Skills*" organized by Department of Botany, Hazara University Mansehra. December 4-5, 2015.
 36. **Khan, S. M.**, 2014. Invited Speaker to deliver plenary speech on "*Himalayayan Ethnobotany*". Proceedings of 2nd Conference on "*Natural health (2nd ICONAHE)*" (October 26 - 28, 2014) at Abdelhamid Ibn Badis University Mostaganem, Algeria. <http://lpap.univ-mosta.dz/>
 37. **Khan S.M.**, 2014. (As an Invited Speaker as well as main organizer). *Ethnoecologies in Pakistani Himalayas*. The Gastronomy Event "*Food Culture and Communications; Human Ecology and sustainability*" (July 14 – 23, 2018) at the University of Gastronomic Sciences, Pollenzo, Bra, Italy.

Abstracts published based on oral/poster presentations in the congresses/conferences/symposia

1. **Khan, S. M.** & N. Muhammad, 2012. *Carbon sequestration Potential of pure Quercus incana Roxb. forest of the Temperate region of Pakistan*. Proceedings of the 9th International & 18th National Conference of Plant Scientists (INCPS-2024), themed "*Capitalizing Plant Diversity for Ensuring Food Security*," organized by Pakistan Botanical Society (October 28 - 30, 2024) at Bahauddin Zakariya University, Multan.
2. Zeb, S. A., **Khan, S. M.** Abdullah, Z. Ahmad, M. Fiaz, M. Saba, H. Gul, & T. A. Zeb, 2012. *Ecological Interaction of Russula Genus; A Case Study from the Moist Temperate Region of Murree Forest*

- Division. Proceedings of the 9th International & 18th National Conference of Plant Scientists (INCPS-2024), themed **“Capitalizing Plant Diversity for Ensuring Food Security,”** organized by Pakistan Botanical Society (October 28 - 30, 2024) at Bahauddin Zakariya University, Multan.
3. **Khan, S. M.**, 2024. *Ecological insights into weed flora variability in wheat crop under different edaphic and farming practices in the 9th International Conference & Expo on “Biodiversity and Medicinal Plants: A Way Forward to Sustainable Development (BMP-SD 2023)”* (December 14 – 16, 2023) at PMAS Arid Agriculture University Rawalpindi, Pakistan.
 4. **Khan, S. M.**, 2023. *Ecological Comparisons of Vegetation and Soil along the Fresh and Salty Water Regimes in the North-Western parts of Pakistan in the “International Conference on Saline Resource Management in the context of Global Climate Changes – SRM-2023”* (February 24 – 26, 2023) at Dr. Muhammad Ajmal Khan Institute of Sustainable Halophyte Utilization, University of Karachi, Karachi-75270, Pakistan.
 5. **Khan, S. M.**, & Maham Rana 2022. *Value addition to the table grapes: raisins production in the climate change scenario for its off-season use and high price “Symposium towards the International Society for Gastronomic Sciences and Studies - Thematic area VI: Climate Change, Agroecology, and Ecological Transition”* (September 22 – 26, 2022) at the UNISG Pollenzo and University of Turin Italy.
 6. Abdullah, **S. M. Khan**, Zahoor Ul Haq, Shahab Ali and Shakil Ahmad Zeb, 2022. *Edapho-climatic factors drive intraspecific variation in *Nannorrhops ritchieana* (Griff) Aitch functional traits in the Hindu-Himalaya*. Proceedings of the **Annual Conference/meeting of Ecological Society of America & Canadian Society for Ecology & Evolution (ESACSEE)** at Montreal, Canada , August 14-19, 2022.
 7. **S. M. Khan**, Muhammad Suliman, S. Ali, 2022. *Carbon Sequestration among the Woody Vegetation along Elevation Gradient*. Proceedings of the **9th National - Biodiversity, Climate Change and Carbon Sequestration** at University of Peshawar, Pakistan, June 21-24, 2022.
 8. **S. M. Khan** et. al.,, 2022. *Grape (*Vitis vinifera* L.) cultivation in Pakistan; a step towards Climate Smart Agriculture*. Proceedings of the **7th International Conference on “Climate Smart Agriculture: Innovations And Adaptations”** at University of Poonch, Rawalakot Kashmir Pakistan, June 15-17, 2022.
 9. Abdullah, Zahoor Ul Haq, **S. M. Khan**, 2022. *Nannorrhops ritchieana* (Griff.) Aitch. is a gregarious Palm; shedding light on its associated chorotypes. Proceedings of the **10th Biennial Conference International Biogeography Conference (IBC - 2022)** at Vancouver, Canada , June 2-6, 2022.
 10. **S. M. Khan** & Ateeqa Khalid 2022. *Biological Spectrum and Phytogeographic Elements of the Wildlife Park Bansra Gali, Murree – an example from Moist Temperate Ecosystem*. Proceedings of the **10th Biennial Conference International Biogeography Conference (IBC - 2022)** at Vancouver, Canada , June 2-6, 2022.
 11. **S. M. Khan** et. al.,, 2022. *Wood Specific Gravity a Step Towards Better Conservation management: A Dynamic Trait along Various Ecological Gradients in Mountain Forests of the Hindu Kush Range*. Proceedings of the **5th International Conference on “Advances in biosciences: Bridging the gap between research and sustainable development goals”** at University of Swat Pakistan, May 24-26, 2022.
 12. Abdullah, **S. M. Khan**, S. Shehzaadi, Y. Khan, S. Ali, M. Iqbal, S. A. Zeb, Z. U. Haq, 2021. *Overcoming seed dormancy in the Mazri Palm; a sustainable way for its production at business scale*. Proceedings of the **6th Multi-Disciplinary Student Research International Conference (MDSRIC - 2021)** at University of Wah, Pakistan, November 29 - December 01, 2021.
 13. Abdullah, **S. M. Khan**, S. A. Zeb, K. Rahman, Z. U. Haq, K. Rahman, 2021. *Nannorrhops ritchieana* (Griff.) Aitch and its associated flora in the Hindukush range of Northwest Pakistan: An economic palm. Proceedings of the **Virtual Annual Meeting 2021 Ecological Society of America** at USA, August 02 - 06, 2021.
 14. S. Jahangir, Abdullah, S. Ali, U. Ejaz, Z. Ahmad & S. Jahangir, **S. M. Khan**, 2021. *Distribution and abundance of noxious weeds in the disturbed habitats of Mirpur, Azad Jammu & Kashmir*. Proceedings of **“16th NATIONAL WEED SCIENCE CONGRESS”** organized by Pakistan Weed Society. (July 08 – 10, 2021) at Department of Weed Science and Botany, the University of Agriculture Peshawar – Pakistan.
 15. M. Rana, **S. M. Khan**, A. Khalid, Abdullah, S. Ali, Z. Ahmad & S. Jahangir, 2021. *Assessment of Weed plants in the industrial zone of Islamabad - the Capital area of Pakistan*. Proceedings of **“16th NATIONAL WEED SCIENCE CONGRESS”** organized by Pakistan Weed Society. (July 08 – 10, 2021) at Department of Weed Science and Botany, the University of Agriculture Peshawar – Pakistan.

16. A. Khalid, **S. M. Khan**, S. Ali, M. Rana, Abdullah, & S. Jahangir, 2021. *Invaders are the Degraders; A case of *Silybum marianum* (L.) Gaertn. invasion in the Polluted Zone of industries in Islamabad, Pakistan*. Proceedings of “**16th NATIONAL WEED SCIENCE CONGRESS**” organized by Pakistan Weed Society. (July 08 – 10, 2021) at Department of Weed Science and Botany, the University of Agriculture Peshawar – Pakistan.
17. **Khan, S. M.**, Abdullah, K. Rahman, U. Ejaz, S. Ali, S. Jahangir, A. U. Rahman, S. Shehzadi, & Z. Ahmad, 2021. *Showcasing the Internationally Prioritized Medicinal Plants to Counteract the Pandemics – Potential Remedies for COVID-19 and Other Forms of SARS*. AASSA-PAS Webinar Series 2021 “**Pandemic Preparedness: Science and Countermeasures**” at Pakistan Academy of Sciences, Islamabad. May 25, 2021.
18. Rahman, K., **S. M. Khan**, & Abdullah 2021. *Impact of urbanization on species richness and invasive species pool*. International Conference on “**International Conference on Energy, Water and Environment – ICEWE - 2021**” at University of Engineering & Technology Lahore Pakistan. March, 30th, 2021.
19. M. Khan, W. Muhammad & **S. M. Khan**, 2020. *Impact of plastic pollution on fresh water biota of water streams around the picnic spots of Hilly region in the Swat Valley Pakistan*. 6th International Water Conference “**06- IWC-2019**” at University of Haripur-Haripur, Pakistan. December 29 -30, 2020.
20. **Khan, S. M.**, 2020. *Use of ecological indicators & eco-informatics in smart plantation in the scenario of climate change*. International Conference on “**Smart Plantation an Ultimate Solution to Climate Change**” at Lahore College for Women University, Lahore Pakistan. March, 02 – 04, 2020.
21. Ullah, F., **S. M., Khan**, and A. Rahman, 2020. *Diversity in leaf and shoot morphological characteristics among various Grape (*Vitis vinifera* L.) cultivars in Agro-climatic region of Bajaur, Pakistan*. National Conference on “**Beneficial Microbes & Sustainable Crop Production**” at the University of Agriculture, Peshawar, Pakistan. March, 02 – 04, 2020.
22. Abbas. Z. & **Khan, S. M.**, 2020. *Vegetation dynamics along altitudinal gradients in the Shigar valley (Central Karakorum). Pakistan: Zonation, Physiognomy, ecosystem services and environmental impacts*. International Symposium on “**Plant Life of South Asia (on the successful completion of) Flora of Pakistan Project**” at University of Karachi Pakistan. February, 24-27 2020.
23. Ahmad. Z. & **Khan, S. M.**, 2020. *Angiosperms distribution in the marble waste polluted ecosystem and driving microclimatic factors*. International Symposium on “**Plant Life of South Asia (on the successful completion of) Flora of Pakistan Project**” at University of Karachi Pakistan. February, 24-27 2020.
24. Abdullah, **Khan, S. M.**, & Haq, Z. U., 2020. *Ecological assessment of the Mazri Palm (*Nannorrhops ritchiana* (Griff.) Aitch) and its associated flora in the tribal belt of Khyber Pakhtunkhwa, Pakistan*. International Symposium on “**Plant Life of South Asia (on the successful completion of) Flora of Pakistan Project**” at University of Karachi Pakistan. February, 24-27 2020 (poster).
25. **Khan, S. M.**, Abdullah, M. Asif and H. Shah, 2019. *Mazri (*Nannorrhops ritchiana* (Griff) Aitch. a remarkable source of manufacturing traditional handicrafts, goods and utensils in Pakistan*. Proceedings (Supplementary Issue of Pharmacology Online Journal V. December 30) 28th SILAE Congress “**International Exhibition for Natural Products Innovation the natural trade meets at the Natural 2019**” (September 16 – 20, 2019) at La Habana, Cuba.
26. **Khan, S. M.** & S. Rasheed, 2019. *Role of water collecting bodies (locally known as Tobas) in distribution pattern and floristic composition of Pakistan’s largest desert, the Cholistan*. **2nd Conference of the Arabian Journal of Geosciences**, University of Sousse Tunisia, November 25 - 28, 2019.
27. **Khan, S. M.** & Zulfiqar, 2019. *Ecological modelling of Japanese Oak (*Quercus glauca*) in the western Himalayas*. **The International Society for Ecological Modelling Global Conference 2019** at Salzburg Congress Centre, Salzburg, Austria, October 01 - 05, 2019.
28. **Khan, S. M.***, I. Nourin, Z. Ahmad, M. Iqbal, A. Ullah & Abdussalam, 2019. *Native medicinal plant species as potential phytoaccumulators of heavy metals from the contaminated soils around Nashpa oil field; A step towards clean and cure the polluted environment*. AASSA-PAS Regional Workshop on “**Complementary Medicine as an Answer to Challenges Faced in Achieving Sustainable Goals in Health**”, Islamabad, Pakistan. August 19 - 21, 2019.
29. Salam, A., **S. M. Khan**, A. Ali, M. S. Afridi, I. R. Noorka, J. U. Din, 2019. *Impact of osmotic stress on growth and physiological characteristics of wheat seedlings*. 9th National Conference on “**Innovative Trends in Wheat: Way Forward to Sustainable Wheat Production**” at the College of Agriculture University of Sargodha, Pakistan. February 12 -14, 2019. <https://su.edu.pk/events/post/52/CALL-FOR-PAPER>

30. **Khan, S. M.**, Z. U. Haq, and Z. Ahmad, 2019. *Heavy Metals Uptake ability from water by the Himalayan alder growing in Riparian habitat of Sino Japanese regions in Pakistan*. 5th International Water Conference “**05- IWC-2019**” at University of Haripur-Haripur, Pakistan. January 15 -17, 2019.
31. Kamran, S. and **S. M. Khan**, 2018. *Flora of Graveyard of District Bannu, Pakistan and its role in Plants Conservation;a multivariate Statistical approach*. 4th International Multidisciplinary Research Conference on “**Global Prosperity through Research & Development**” at Sarhad University of Science and Information Technology, Peshawar. October 09 - 11, 2018.
32. Rehman, A., **S. M. Khan**, S. Ullah, A. Ullah and F. Ullah 2018. *Post-Harvest Losses of Grapes in Quetta and Pishin, Balochistan*. National Conference on “**Agricultural Problems and Food Security in the Changing Climate**” at University of Agriculture, Peshawar. November 14 – 17, 2018.
33. Haq, Z. U., and **S. M. Khan**, 2018. *Conservation Status’ Assessments of the Himalayan Alder Plant through IUCN Red List Categories and Criteria; A Case Study across the Hindu-Himalayan Mountain Ranges of Pakistan*. 2nd International Conference on the “**Conservation of Medicinal and Aromatic Plants for improving the Livelihood of Mountain Communities through Industrial Linkages**” at University of Swat, Pakistan. September 02 - 05, 2018.
34. Ahmad, Z., and **S. M. Khan**, 2018. *Zonation of the Marble Waste Polluted Ecosystem and assessment of their respective Indicator Species in District Buner, Pakistan*. 2nd International Conference on the “**Conservation of Medicinal and Aromatic Plants for improving the Livelihood of Mountain Communities through Industrial Linkages**” at University of Swat, Pakistan. September 02 - 05, 2018.
35. **Khan, S. M.**, and M. Hussain, 2018. *Multivariate approach to vegetation by using robust statistical tools; a step towards conservation management*. 5th **Oceania Congress for Conservation Biology** (July 2 – 6, 2018) at the Wellington, Aotearoa, New Zealand.
36. **Khan, S. M.**, 2018. *Endemic plants in the scenario of climatic and anthropogenic changes*. 1st International Conference on “**Climate Change Impacts on Agriculture and Food Supply (IC³AF)**” (April 24-26, 2018) at University of Swabi, Swabi, Pakistan.
37. Ahmad, Z., **S. M. Khan**, M. I. Ali, N. Fatima and M. Iqbal, 2018. *Fungal Diversity of the Marble Waste Polluted Ecosystem in the Phylogenetic Perspectives*. 1st International Conference on “**Digitization and Documentation of Plant Natural Resources in Chitral, Pakistan**” (March 29 - April 2, 2018) at University of Chitral, Chitral, Pakistan.
38. **Khan, S. M.** and M. Hussain, 2018. *Assessment and Conservation Status of Vincetoxicum cardiostephanum Rech. F.; A Threatened Narrow Endemic Species of Pakistan*. 7th International and 16th National Conference of PBS on “**Plant Resources: Current Trends, Challenges and Solutions**” (March 23-27, 2018) at Islamia College University Peshawar Pakistan.
39. Rahman, A., and **S. M. Khan**, 2018. *Diversity and Abundance of Climbers in Relation to their host and Elevation Gradient in the Murree Forests of the Western Himalayas*. 7th International and 16th National Conference of PBS on “**Plant Resources: Current Trends, Challenges and Solutions**” (March 23-27, 2018) at Islamia College University Peshawar Pakistan.
40. Zulfqar, **S. M. Khan**, and H. Ahmad, 2018. *Conservation Status of Japanese Oak (Quercus Glauca Thunb.) from Himalayan Region of Pakistan and Kashmir*. 7th International and 16th National Conference of PBS on “**Plant Resources: Current Trends, Challenges and Solutions**” (March 23-27, 2018) at Islamia College University Peshawar Pakistan.
41. **Khan, S. M.**, 2018. *Use of Multivariate Statistics in the field of Ecology*. 16th International Conference on Statistical Sciences “**Advances in Statistics and Data Management: It’s Role in National Growth and Socio-Economic Developments**” (March 5-8, 2018) at Islamia College University Peshawar Pakistan.
42. Ahmad, Z. and **S. M. Khan**, 2017. *Characterization and identification of Bacteria and Fungi in marble waste polluted water of District Buner, Pakistan*. 4th International Water Conference – IWC on “**Climate Change & Disaster Risk Management for Sustainable Development & Businesses**” (December 19 – 21, 2017) at PCRWR, Islamabad- Pakistan.
43. Rasheed, S. and **S. M. Khan**, 2017. *Role of Tobas (water bodies) in ethnoecology and pastoralism in the Cholistan desert of Pakistan*. 4th International Water Conference – IWC on “**Climate Change & Disaster Risk Management for Sustainable Development & Businesses**” (December 19 – 21, 2017) at PCRWR, Islamabad- Pakistan.
44. Fatima, K., **S. M. Khan**, and M. Iqbal, 2017. *Biological Spectrum and phonological classification of the Nala Ban Region District Kotli Azad Jammu and Kashmir*. National Conference on “**Sustainable Development through Biodiversity Conservation and Ecotourism**” (December 11 – 13, 2017) at University of Science and Technology Bannu.

45. Iqbal, M., **S. M. Khan**, M. Hussain, Z. Ahmad K. Fatima, and S. Ullah, 2017. *Eco-floristics and vegetation distribution pattern along edaphic factors; A case study from QAU campus Islamabad, Pakistan*. National Conference on “**Sustainable Development through Biodiversity Conservation and Ecotourism**” (December 11 – 13, 2017) at University of Science and Technology Bannu.
46. Kamran, S., **S. M. Khan**, Z. Ahmad, and A. Rahman, 2017. *Plants diversity in sacred groves and its application for conservation: A review*. International Conference on “**Conventional and Modern Approaches in Plant Sciences-CMAPS-2017**” (November 27 – 29, 2017) at University of the Punjab Lahore.
47. **Khan, S. M.**, and S. Anwar, 2017. *Indicator species of Liakot - the Dry Temperate Forests in the Kalam Valley, District Swat Pakistan*. International Conference on “**Conventional and Modern Approaches in Plant Sciences-CMAPS-2017**” (November 27 – 29, 2017) at University of the Punjab Lahore.
48. **Khan, S. M.**, and W. Khan, 2017. *Impact of environmental variables on plant communities of the Thandiani sub forests division of the Western Himalayas of Pakistan*. **19th International Botanical Congress** (July, 23 – 29, 2017) arranged by China Botanical Society at Shenzhen Convention and exhibition Center, Shenzhen, China. T6-09-06; Page 516, <http://www.abc2017.cn/>.
49. **Khan, S. M.**, and A. Zeb, 2017. *Altitudinal gradient analyses of the Balakot Forests of District Swat in the Hindukush range of mountains*. **19th International Botanical Congress** (July, 23 – 29, 2017) at Shenzhen Convention and exhibition Center, Shenzhen, China. T3-25-02; Page 242, <http://www.abc2017.cn/>.
50. **Khan, S. M.**, W. Khan and H. Ahmad, 2017. *Wild edible Plant Resources in the scenario of environmental variability in a forest of Pakistani Hmalayas*. *Proceedings of the 3rd International Symposium on the "Conservation Issues of Edible wild Resources of Hindu Kush Himalayas"* organized by Islamia College Peshawar, University of Peshawar and Society of Conservation Biology Pakistan (July 21- 24, 2017) at Baragali Summer Campus Abbottabad of the University of Peshawar.
51. Haq, Z., **S. M. Khan**, and A. Razzaq, 2017. *Ethnobotanical uses of Plant Species practiced in isolated area of Maidan Khyber Pakhtunkhwa, Pakistan*. *Proceedings of the 3rd International Symposium on the "Conservation Issues of Edible wild Resources of Hindu Kush Himalayas"* organized by Islamia College Peshawar, University of Peshawar and Society of Conservation Biology Pakistan (July 21- 24, 2017) at Baragali Summer Campus Abbottabad of the University of Peshawar.
52. **Khan, S. M.**, and M. Hussain, 2017. *Role of Trees in the Ecosystem Management of Kurram Agency FATA, Pakistan*. *Proceedings of the 7th National Conference on the "Biodiversity Conservation, Livelihood and Sustainable Development"* organized by Center of Biodiversity, University of Peshawar (July 10- 12, 2017) at Baragali Summer Campus Abbottabad of the University of Peshawar. <http://www.uop.edu.pk/events/?q=140>
53. Gul, I., and **Khan, S. M.**, 2017. *Bio-Conversion of Quercus glauca seed cones into Biodeisal using nanotechnology*. 15th National & 6th International Conference of Botany “**Dynamic Trends in Plant Sciences: Fostering Environment and Food Security**” (May, 09 – 11, 2017) at Sardar Bahadur Khan Women’s University, Quetta, Pakistan. <http://www.sbkwu.edu.pk/pbsc/>
54. U. Nawaz, **Khan, S. M.**, and T. Mehmood, 2017. *Nano Catalytic Conversion of Eucalyptus globulus Labillardière into Biofuel*. 15th National & 6th International Conference of Botany “**Dynamic Trends in Plant Sciences: Fostering Environment and Food Security**” (May, 09 – 11, 2017) at Sardar Bahadur Khan Women’s University, Quetta, Pakistan. <http://www.sbkwu.edu.pk/pbsc/>
55. S. Rasheed and **S. M Khan**, 2017. *Importance of vegetation composition and distribution pattern in the vicinity of water collecting points (Toba’s): A case study of Cholistan, Pakistan*. Abstract book of 1st International Conference on “**Plants; Their Chemical and Biological Applications for Today and Tomorrow**” (April, 12 – 14, 2017) at University of Gujrat, Pakistan.
56. Noreen, I. and **S. M Khan**, 2017. *Identification of resistant plant species for a polluted ecosystem; a case study of Nashpa Oil and Gas Plant, District Karak, Pakistan*. Abstract book of 1st International Conference on “**Plants; Their Chemical and Biological Applications for Today and Tomorrow**” (April, 12 – 14, 2017) at University of Gujrat, Pakistan.
57. Ahmad, Z. **S. M Khan** and M. I. Ali, 2017. *Isolation and Characterization of Microbial flora beneficial in heavy metal accumulation in Marble waste polluted ecosystem of District Buner, Pakistan*. Abstract book of 1st International Conference on “**Plants; Their Chemical and Biological Applications for Today and Tomorrow**” (April, 12 – 14, 2017) at University of Gujrat, Pakistan.
58. M. Iqbal, **S. M. Khan**, M. A. Khan, Z. Ullah and I.U. Rahman, 2016. *Classification of Weed Flora of Malakand Pakistan, using multivariate statistical techniques*. *Proceedings of “6th International and 13th*

- National Conference of Weeds Sciences*" organized by Pakistan Weed Society. (August 19 – 21, 2016) at Shaheed Benazir Bhutto University Sharningal, Upper Dir, Pakistan.
59. **Khan, S. M.**, and H. Ahmad, 2016. *Profiling and Elevation Gradient of Vegetation of the Mount Eelum, District Swat*. Proceedings of the 6th National Conference on the "**Climate Change and Biodiversity Conservation Issues of Pakistan**" organized by Center of Biodiversity, University of Peshawar (June 1-4, 2016) at Baragali Summer Campus Abbottabad of the University of Peshawar.
 60. **Khan, S. M.**, and H. Ahmad, 2016. *Ex situ conservation of the targeted Himalayan plant species*. Proceedings of the 2nd International Conference on the "**Biodiversity of Pakistan: Prospects and Associated Issues**" organized by Society of Conservation Biology Pakistan (May 22 - 24, 2016) at Baragali Summer Campus Abbottabad of the University of Peshawar. <http://www.scbp.org.pk/exec-body.html>
 61. **Khan, S. M.** H. Ahmad, S. Page, I. U. Rahman, S. Nawazish and D. M. Harper, 2016. *Correlating Plants IVI with Its UVI to assess Sustainable Use of the Himalayan Plant resources; A new method Development*. Proceedings of the 6th International Conference on "**Environmentally Sustainable Development**" - **ESDev 2016** organized by COMSATS (April 25 - 27, 2016) at Abbottabad. <http://www.cit-atd.edu.pk/esdev/>
 62. Abbas, Z., **S. M. Khan**, A. M. Abbassi, Z. Ullah and M. Hussain, 2016. *Vegetation Zonations, Floristic Diversity and Life Form Classification of the Tormik Valley Baltistan, Karakorum Mountains*. Proceedings of the 5th International and 14th National Conference of Botany "**Climate change and: Challenges and Opportunities**" organized by Pakistan Botanical Society (January 15 - 18, 2016) at University of Karachi Pakistan. <http://www.pakbs.org/>
 63. Shah, A. H, **S. M. Khan**, A. H. Shah, A. Mehmood and H. Ahmad, 2016. *Categorization of Cultural Uses of Plants Among Different Tribes of District Tor Ghar*. Proceedings of the 5th International and 14th National Conference of Botany "**Climate change and: Challenges and Opportunities**" organized by Pakistan Botanical Society (January 15 - 18, 2016) at University of Karachi Pakistan. <http://www.pakbs.org/>
 64. Saira, B., **S. M. Khan**, J. Alam, I. U. Rahman and H. Ahmad, 2016. *Floristic Analyses of the Beer Hills of Districts Haripur and Abbottabad along the Indus River*. Proceedings of the 5th International and 14th National Conference of Botany "**Climate change and: Challenges and Opportunities**" organized by Pakistan Botanical Society (January 15 - 18, 2016) at University of Karachi Pakistan. <http://www.pakbs.org/>
 65. Khan, M., **S. M. Khan** and M. Ilyas, I. U. Rahman and H. Ahmad, 2016. *Vegetation Profiling of the Mount Eelum District Swat through Multivariate Analyses*. Proceedings of the 5th International and 14th National Conference of Botany "**Climate change and: Challenges and Opportunities**" organized by Pakistan Botanical Society (January 15 - 18, 2016) at University of Karachi Pakistan. <http://www.pakbs.org/>
 66. Naz, B., **S. M. Khan** and F. Ahmad, 2016. *Evaluation of Brassica napus L. (Rape seed) Genotypes for Morphological Traits and Chemical Composition*. Proceedings of the 5th International and 14th National Conference of Botany "**Climate change and: Challenges and Opportunities**" organized by Pakistan Botanical Society (January 15 - 18, 2016) at University of Karachi Pakistan. <http://www.pakbs.org/>
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- 1st International Symposium on “*The Himalayas of Pakistan; Resources and Conservation Issues*” (November 27 – 30, 2014) at Hazara University Mansehra Pakistan.
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99. **Khan, S. M.**, S. Page, H. Ahmad and D. M. Harper, 2013. *Critically Endangered (CR) endemic plant species of the Western Himalayas used in ethnomedicines*. Proceedings of the 36th Annual Meeting of the Society of Ethnobiology “**Climate Change and Ethnobiology**” (May15 - 18) at University of North Texas. <http://ethnobiology.org/conference/upcoming/overview-schedule>
100. **Khan, S. M.**, S. Page, H. Ahmad and D. M. Harper, 2013. *Assessments of ecosystem services and rarity of the endemic flora in the western Himalayas*. Proceedings of the Sixth Annual International ESP Conference “**Making Ecosystem Services Count**” (August 26 - 30) at Bali, Indonesia. http://www.esconference.org/ESP_Conference/79638/5/0/60
101. **Khan, S. M.**, S. Page, H. Ahmad and D. M. Harper, 2012. *Assigning IUCN red list criteria to the Western Himalayan vegetation at regional level*. Proceedings of the international workshop “**3rd European Congress of Conservation Biology**” (September 30 - October 5) at Glasgow, UK. <http://www.eccb2012.org/index.asp>
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104. **Khan, S. M.**, S. Page, H. Ahmad and D. M. Harper, 2012. *Assessment of conservation status of vascular flora by linking its abundance and uses in the western Himalayas*. Proceedings of the 1ST International Conference **Ecological Sustainability; Restoring the Planet’s Ecosystem Services** (August 28 - September 1, 2012) at Columbus, Ohio, USA. <http://www.ecosummit2012.org/>
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108. Khan, S. M., S. Page, H. Ahmad and D. M. Harper, 2012. *Plant Biodiversity in the Western Himalayas under the scenario of Climatic Change*. Proceedings of 5th International Conference of SCU & ESES “**Climate Change and Water Resources**” (July 10 - 11, 2012) at Ismailia, Egypt. <http://www.eses-catrina.com/>
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110. Khan, S. M., S. Page, H. Ahmad and D. M. Harper, 2012. *Vegetation Dynamics in the Western Himalayas, Diversity Indices and Climate Change*. Proceedings of the international Conference “**Climate Change: Opportunities and Challenges**” (May 09-11, 2012) National University of Sciences & Technology (NUST), Sector H-12, Islamabad, Pakistan. <http://www.pcst.org.pk/conf-climate-change.php>
111. Khan, S. M., S. Page, H. Ahmad and D. M. Harper, 2011. *Anthropogenic influences on the natural ecosystem of the Naran valley in the Western Himalayas*. Proceedings of international symposium “**Strategies for Conservation of Endangered Ecosystem**” (April 16-18th, 2012) Agriculture University Faisalabad, Pakistan. <http://www.pakbs.org/>
112. Khan, S. M., D. M. Harper, S. Page and H. Ahmad, 2011. *Residual Value Analyses of the medicinal flora of the western Himalaya; The Naran Valley Pakistan*. Proceedings of international workshop “**Medicinal Plants: Conservation & Sustainable Use**” (December 8-10th, 2011) Quaid-i-Azam University Islamabad, Pakistan. http://sites.nationalacademies.org/PGA/dsc/pakistan/PGA_058840
[http://www.pakbs.org/pjbot/tcontents/tcontent43\(SD\)11-20.html](http://www.pakbs.org/pjbot/tcontents/tcontent43(SD)11-20.html)
113. Khan, S. M., D. M. Harper, S. Page and H. Ahmad, 2011. *The Ethnobotanic importance of mountain ecosystems: a case study of Naran Valley in the Western Himalayas*. Proceedings of 4th ESP international conference “**Ecosystem Services: integrating Science and Practice**” (October 04-07, 2011) University of Wageningen, the Netherlands. http://www.esconference.org/previous_editions/78795/5/0/60
114. Khan, S. M., D. M. Harper, S. Page and H. Ahmad, 2011. *Vegetation abundance and anthropogenic pressure on it, in a remote western Himalayas, the Naran Pakistan*. Proceedings of international conference “**People and Nature in Mountains: Changing Land Use and Landscape Dynamic**” (September 21-23, 2011) Museum of Natural history, Trondheim, Norway. <http://www.ntnu.no/vitenskapsmuseet/conference-program>
115. Khan, S. M., D. M. Harper, S. Page and H. Ahmad, 2011. *Role of Vegetation in Ecological Restoration in the Himalayas*. Proceedings of 4th world conference and 20th meeting of the society “**Ecological Restoration**” (August 21-25, 2011) Merida, Mexico. <http://www.ser2011.org/en/ser2011/>
116. Khan, S. M., D. M. Harper, S. Page and H. Ahmad, 2011. *Plant species and communities indicate environmental gradients in the Western Himalayas*. Proceedings of international conference “**Spatial Ecology & Conservation**” (September 05-07, 2011) University of Birmingham, UK. <http://www.ert-conservation.co.uk/SEC1-Homepage.htm>
117. Khan, S. M., D. M. Harper, S. Page and H. Ahmad, 2011. *Life on the Edge: balancing the needs of nature and people in the remote western Himalayas*. Proceedings of “**Seventh Festival of Postgraduate Research**” (June 16th 2011), University of Leicester, UK. <http://www2.le.ac.uk/offices/careers/pgrd/fpgr/presenters>
118. Khan, S. M., D. M. Harper, H. Ahmad and S. Page 2011. *Ecosystem services and analytical tool for their quantification*. Proceedings of three days International Capacity Building Symposium “**Basic Techniques in Research, Dissertation & Paper Writing in Life Sciences**” (July 27-29, 2010) Department of Zoology, Hazara University Mansehra, Pakistan.

Conferences/workshops/Symposia/seminars/Trainings courses participated in/attended

1. Attended a Cluster Conference “*The urgency for Climate Change Education – Emerging Youth Leaders for Indigenous and sustainable climate action*” organized by Teachers’ Resource Center (TRC) in collaboration with Quaid-i-Azam University Islamabad, on August 6th, 2024.
2. Attended the 25th Conference of the Islamic World Academy of Sciences (IAS) on Water-Energy-Food-Ecosystem Nexus for the Security of the OIC Countries; held at PAS, Pakistan, July 22 to July 24, 2024.
3. Attended “AIU-2024: The Synergy of Education, Science and Artificial Intel-Ligence: From Idea to Practice” dedicated to the SCIENCE DAY, at Astana International university Kazakhstan; April22-23, 2024.
4. Attended the International Conference on “Climate Change and Disasters Risk” organized by CPJRC at QAU, on 27-29th, October 2023.
5. Attended the seminar talk “Paleoecological insights into the response of biodiversity and ecosystems to climate change” organized by Pakistan Academy of Sciences, on 11th September, 2022.
6. Attended the MAAP-PAS-ANSO Hybrid Workshop on "Ecosystem Restoration: One-Health and Pandemics"" organized by Pakistan Academy of Sciences, on 5th June, 2022.
7. Attended a Training/Orientation Session for Focal persons and oversight committee Members under the project Green Youth Movement - Prime Minister Youth Program at HEC Islamabad, Pakistan on 13th May, 2022.
8. Attended a Conference “Sacred Forests of Asia Spiritual Ecology and the Politics of Nature Hosted by Bard College at Simon’s Rock, USA, 22-24 April, 2022.
9. Attended the Training Workshop "Collection and Conservation Techniques for MAPs” organized by NARC, PARC Pakistan and KEW Botanical Garden, UK on 3rd February, 2022.
10. Attended the “World Fisheries Day Event” organized by IUCN and Quaid-i-Azam University Islamabad Pakistan on 21st November, 2021.
11. Attended and played the role of Judge for Poster competition during the International Conference on Biodiversity and CEBRM 10th Anniversary, 16th November, 2021.
12. Attended the event AASSA-PAS Webinar Series 2021 “Pandemic Preparedness: Science and Countermeasures WEBINAR IV/HYBRID WORKSHOP COVID-19 and Higher Education: Addressing Food Insecurity through Policy Support and Research” by Pakistan Academy of Sciences, Islamabad, Academy of Sciences, Malaysia, Korean Academy of Science and Technology (KAST) National Academy of Young Scientists (NAYS), Pakistan, on 24th June, 2021.
13. Attended the event “Launch of ISAAA Brief 55 and Half-day Seminar on Science Communication and Public Engagement” by COMSTECH, Secretariat, Islamabad in collaboration with Pakistan Biotechnology Information Center (PABIC), Karachi Chapter at the COMSTECH, Secretariat, Islamabad, on 09th March, 2021.
14. Attended an event “National Science Day - dedicated to the achievements and contributions of Dr. Abdus Salam, the first Nobel Laureate of the Islamic World” at Pakistan Academy of Sciences, Islamabad Pakistan on 29th, January, 2021.
15. A webinar on "Search for Extraterrestrial Life across the Solar System" by Dr. Nozair Khawaja, on 04th January, 2021.
16. Training for Slow Food leaders “Improve Your Skills! Fundraising: Techniques and Good Practices” (Virtual) 9th December, 2020, Bra, Italy.
17. Agriculture webinar episode 17 entitled “World Science Day for Peace and Development Re-carbonization of Global Soils: Challenges and Opportunities” at 05:00 PM PST.
18. PAS Agriculture webinar episode 16 entitled “Oilseed Crop Production and Supply Chain” on 6th November, 2020 at 06:00 PM PST.
19. 4th International Pharmacy Conference (Virtual) at Quaid-i-Azam University Islamabad, Pakistan. October 10, 2020.
20. PAS Agriculture webinar WEBINAR - Education and Learning - Pandemic Times on 24th September, 2020 at 04:00 PM PST.
21. PAS Agriculture webinar episode 4 entitled “A Review of Agriculture Policy in Pakistan” on 17th, August 2020 at 11:00 AM PST.
22. PAS Agriculture webinar episode 2 entitled “Precision Agriculture and Sustainable Solutions” on 30th, July 2020 at 04:00 PM PST.

23. National Conference on “Combating the Air Pollution! The biggest Killer. Saving Lives, Saving Planet” at Quaid-i-Azam University Islamabad, Pakistan. September 18th, 2019.
24. Three days Conference TUFUAB 2019: X. Türkiye Ulusal Fotogrametri ve Uzaktan Algılama Birliği Teknik Sempozyumu at University of Aksaray, Turkey. April 25-27, 2019. <http://tufuab2019.aksaray.edu.tr/>
25. One day Conference on “Building innovative Pakistan through science, technology and innovation policy” Quaid-i-Azam University Islamabad, Pakistan. February 14th, 2019. <http://www.eco4science.org/Building-Innovative-Pakistan>
26. One day international seminar on “Crop Wild Relatives Genetic Resources of Pakistan and their Utilization” at National Agricultural Research Council, Islamabad. November 14th, 2018.
27. 2nd International Conference on Natural Sciences, Climate and Biodiversity at the University of Azad Jammu & Kashmir, Muzaffarabad. September 15-17, 2018. c
28. 3rd National Workshop on “Global Code of Ethics” organized by Chemical Society of Pakistan & PAS, at Department of Chemistry Quaid-i-Azam University Islamabad, Pakistan. July 2nd, 2018.
29. One day PhDs Convention “Role and guidance of PhDs in policy making” organized by Madeenat-ul-Elam Society, at Islamabad Hotel, Pakistan. October 28th, 2017.
30. Three days’ workshop on “Modern Trends in Microscopy (WM-2016)” organized by National Institute of Vacuum Science and Technology (NINVAST), Islamabad. May 24-26, 2016.
31. 16th International Congress of Soil Science on “Healthy Soils for Food Security” organized by Soil Science Society of Pakistan in collaboration with HEC at PMAS Arid Agriculture University Rawalpindi. March 15-17, 2016.
32. One-Day Symposium on “Irradiation as a sanitary and phyto-sanitary treatment of medicinal herbs/plants” organized by Nuclear Institute for Food and Agriculture (NIFA) in collaboration with Pakistan Science Foundation (PSF) at NIFA Peshawar. October 29, 2015.
33. One-Day PSSP Seminar on “Providing Policy Support for sustained Development in Swat District” organized by USAID at Planning Commission Islamabad, Pakistan. September 15, 2015.
34. Social Media, Friend or Foe? University of Leicester, UK. March 14, 2012.
35. The Social Web: Building and Maintaining your Digital Profile (SPR Event), Media Zoo, University of Leicester, UK. March 7, 2012.
36. Botanical Society of Scotland’s one day workshop on “Celebrating Diversity in Community Woodlands in Scotland”, at Perth Museum and art Gallery, Scotland, UK. January 11, 2012.
37. Using PowerPoint for poster design, April 12, 2011.
38. Botanical Society of Scotland’s workshop on “Plant Ecology & Evolution”, at Royal Botanic Garden Edinburgh, University of Edinburgh, UK. October 18 – 19, 2011.
39. Working with others: team work and leadership, University of Leicester, UK. February 26, 2009.
40. Demonstrating and teaching skills, at University of Leicester, UK. January 29, 2009
41. Four week course on APG Statistics using Stata, University of Leicester, UK. November, 2008.
42. HEC Workshop on “Training of Trainers in Plant Biodiversity”, at Department of Botany, University Peshawar, Pakistan. November 23 - 25, 2006.
43. HEC Workshop on “2nd National Training in Biotechnological Techniques” University of Sindh Jamshoro, Pakistan. December 10 - 14, 2006.
44. HEC Workshop on “Advances in Plants Ecology”, Department of Botany, University of Karachi, Pakistan. July 3 - 6, 2006.

Member of editorial board for international journals

- Review Editor of the *Frontiers in Public Health & Nutrition* – since 2022.
- *Journal of Ethnobiology and Ethnomedicine* - since 2012.
- *Journal of Ethnobotany Research and Applications* – since 2018
- *Journal Conservation Biology Pakistan* - since 2014.
- *Pakistan Journal of Botany*, Guest Editor in 2011, 2014 and 2017.

Reviewer of international journals

- 1) *Journal of Hazardous Material*
- 2) *Journal of Cleaner Production*
- 3) *Science of the Total Environment*
- 4) *Journal of Ecological Indicators*
- 5) *Journal of Ethnobiology & Ethnomedicines*

- 6) *Journal of Ecological Informatics*
- 7) *Journal of Ecological Modelling*
- 8) *Global Ecology & Conservation*
- 9) *Plos One*
- 10) *Journal of Biodiversity & Conservation*
- 11) *Journal of Nature Conservation*
- 12) *Mountain research and Development*
- 13) *Saudi Journal of Biological Sciences*
- 14) *Journal of Forestry Research*
- 15) *Turkish Journal of Botany*
- 16) *Nordic Journal of Botany*
- 17) *Pakistan Journal of Botany*
- 18) *The Journal of Animal and Plant Sciences*
- 19) *Ethnobotany Research & Applications*
- 20) *Proceedings of the Pakistan Academy of Sciences*
- 21) *Journal of ERDKUNDE*
- 22) *Journal of Modern Applied Science*
- 23) *Journal of Ecology and Natural Environment*
- 24) *Journal of Phytton*
- 25) *Journal of Medicinal Plants Research*
- 26) *PCST Journal Science, Technology and Development*
- 27) *Journal of Mountain Research and Development*
- 28) *Pakistan Journal of Weeds Sciences*
- 29) *Revista Bosque*
- 30) *Arabian Journal of Geoscience*

Role in the Academic and Scientific Societies/Associations

- ❖ 2024 - 2026 President/President Elect, International Ethnobiological Society (ISE).
- ❖ 2022 - 2024 Vice President/President Elect, International Ethnobiological Society (ISE).
- ❖ 2022 – todate Member Board of Directors, International Society of Gastronomic Science and Studies (ISGSS).
- ❖ 2019 - todate President, Local Chapter Islamabad, Voluntary Force Against Hepatitis Transmission (VFAHT).
- ❖ 2018 - todate Country Coordinator, Slow Food International.
- ❖ 2014 - todate General Secretary, Pakistan Society of Conservation Biology (PSCB).
- ❖ 2021 - todate Member, Ecological Society of America (ESA), USA.
- ❖ 2011 - todate Member, British Ecological Society (BES), UK.
- ❖ 2008 - todate Member, Botanical Society for the British Isles (BSBI), England, UK.
- ❖ 2007 - todate Member, Pakistan Botanical Society (PBS).
- ❖ 2009 - 2015 Member, Scottish Botanical Society, Scotland, UK.
- ❖ 2009 - 2015 Member, Physical Geography Research Group University of Leicester, UK.
- ❖ 2006 - 2018 Member, Botanical Society Hazara University (BSH), Pakistan.
- ❖ 2006 - 2008 Member, DNA Group Hazara University, Pakistan.

Research Theses/Dissertations evaluated/examined at postgraduate (PhD) level

1. Nazia Arif, 2024, PhD Botany, University of Azad Jammu & Kashmir, Muzaffarabad Pakistan; Thesis entitled “*Molecular and Biochemical Characterization of Family Lamiaceae from Poonch Valley, Azad Jammu and Kashmir*”.
2. Kamran Akbar, 2024, PhD Botany, Bacha Khan University Charsadda, Pakistan; Thesis entitled “*Role and diversity of arbuscular mycorrhizae Fungi in Cicer arietinum L. and Phaseolus vulgaris L. from Punjab, Pakistan*”.
3. Saba Munir, 2023, PhD Botany, University of Gujrat, Pakistan; Thesis entitled “*Post Harvest Management and Genotyping of Banana*”.
4. Ms. Naila Shah, 2023, PhD, Department of Botany, Abdul Wali Khan University Mardan, Pakistan; Thesis titled “*EDTA and IAA assisted phytoremediation of heavy metals polluted soil*”.
5. Ms. Sadaf Bibi, 2023, PhD, Department of Plant Biotechnology and Genetic Engineering, Hazara University Mansehra Pakistan; Thesis titled “*Gene Pyramiding For Stripe Rust Resistance In Bread Wheat*”.

6. Mr. Muddaser Shah, 2022, PhD, Department of Botany, Abdul Wali Khan University Mardan, Pakistan; Thesis titled *“Bioassay Guided Isolation and Characterization of Secondary Metabolites from Scutellaria Edelbergii Rech. F.”*.
7. Mr. Shahid Ali, 2022, PhD, Department of Botany, Pir Mehr Ali Shah, Arid Agriculture University Rawalpindi, Pakistan; Thesis titled *“Floristic Diversity, Phytoecology and Quantitative Ethnobotanical studies of District Chakwal, Pakistan”*.
8. Mr. Muhammad Ihsan, 2022, PhD Department of Botany,, University of Malakand, Pakistan; Thesis titled *“Assessing the Genetic Polymorphisms in Oat (Avena sativa L.) based on Morphometrics, Biochemical, and Molecular Markers”*.
9. Mr. Rahmat Wali, 2022, PhD, Department of Botany, Pir Mehr Ali Shah, Arid Agriculture University Rawalpindi, Pakistan; Thesis titled *“Ethnopharmacological evaluation of medicinal plants of Fairy meadows and surrounding valleys, Gilgit Baltistan, Pakistan”*.
10. Mr. Muhammad Fawad, 2022, PhD, Department of Weed Science and Botany, Faculty of Crop Protection Sciences, the University of Agriculture, Peshawar–Pakistan; Thesis titled *“Integrated Management of Parasitic Weed (Orobanche Spp) and associated Weeds in Tomato (Solanum lycopersicum Mill.)”*.
11. Mr. Adnan Khattak, 2022, PhD, Department of Botany, University of Science and Technology Bannu, Pakistan; Thesis titled *“Titanium Dioxide Nanoparticles and Salicylic Acid alleviate Adverse Effects of Water deficit Stress on Biodiesel Production potential of Sunflower”*.
12. Ms. Ayesha Ayub, 2020, PhD, Department of Environmental Sciences, Fatima Jinnah Women University Rawalpindi, Pakistan; Thesis titled *“Environmental Pollution Assessment in the suburbs of Coalmines in the Selected District of Balochistan, Pakistan”*.
13. Ms. Uzma, 2019, PhD, Department of Plant Biotechnology Atta-Ur-Rahman School of Applied Biosciences National University of Sciences and Technology Islamabad, Pakistan; Thesis titled *“Biosystematic Study of Himalayan Carex L. (Cyperaceae)”*.
14. Mr. Siraj Ahmad, 2016, PhD Botany, University of Malakand, Pakistan; Thesis entitled *“Population Structure and Dynamics of Dodonaea Viscosa (Linn.) Jacq., in Malakand Division Pakistan”*.

Research Theses/Dissertations evaluated/examined at Postgraduate (MPhil) & Graduate (MSc/BS) levels; nationally as well as internationally

PhD = 14

MPhil = 104

MSc/BS = 87

Countries visited

- ❖ United Kingdom
- ❖ Italy
- ❖ China
- ❖ Kazakhstan
- ❖ Malaysia
- ❖ Morocco
- ❖ Netherland
- ❖ Norway
- ❖ Oman
- ❖ Qatar
- ❖ Russia
- ❖ Saudi Arabia
- ❖ Sweden
- ❖ Switzerland
- ❖ Thailand
- ❖ Turkey
- ❖ United Arab Emirate

References of Referees

1. **Prof. Dr. Munir Ozturk**, Professor Emiratus of Plant Sciences, Ege University, Izmir Turkey. Adjunct Faculty member at ICBS, University of Karachi, Pakistan. Ph: 0090 5353396874. Email: munirozturk@gmail.com Web Page: <http://ege.academia.edu/MunirOzturk>
2. **Prof. Dr. Waseem Ahmad (HI, TI)**, Professor of Biochemistry, Ex-Dean Faculty of Science, Quaid-i-Azam University Islamabad, Pakistan. Ph: 0092 051 9064-3003; Email: wahmad@qau.edu.pk, Web Web Page: <https://www.qau.edu.pk/profile.php?id=803001> (Ex-Boss).
3. **Prof. Dr. David M Harper**, Professor Emiratus of Biology, Department of Biology, Adrian Building, room 304, University of Leicester, UK; Ph: 0044 116 2523304; Email: dmh@leicester.ac.uk, (PhD 1st Supervisor).
4. **Prof. Dr. Sue Page**, Professor, Department of Geography, Benet Building, University of Leicester, UK; Ph: 0044 7801287232; Email: sep5@leicester.ac.uk, (PhD 2nd Supervisor).
Web Page: <http://www2.le.ac.uk/departments/biology/people/harper?searchterm=David%20Harper>
5. **Prof. Dr. Pat Heslop Harrison**, Professor, Department of Biology, University of Leicester, United Kingdom & Chief Editor of the Oxford's journal Annals of Botany. Ph: 0044 116 252 3381. Email: phh4@leicester.ac.uk
Web Page: <http://www2.le.ac.uk/departments/biology/people/heslop-harrison> (PhD Internal Examiner)
6. **Prof. Dr. Heiko Balzter**, Professor of Physical Geography, Director of the Centre for Landscape and Climate Research Holder of the Royal Society Wolfson Research Merit Awardee, University of Leicester, UK. Phone 0044 1162523854. Email: hb91@le.ac.uk Web Page: <http://www2.le.ac.uk/departments/geography/people/hb91> (Post Doctorate Supervisor)
7. **Prof. Dr. Riffat Naseem Malik (TI)**, Professor and Chairperson Environmental Sciences, Quaid-i-Azam University Islamabad, Pakistan. Ph: +92-051 9064-3017; Email: r_n_malik2000@yahoo.co.uk, Web Page: <http://www.qau.edu.pk/profile.php?id=804005>
8. **Prof. Dr. Habib Ahmad (TI)**, Professor of Botany, Vice Chancellor, Islamia Colloege Pehawar and Hazara University Mansehra, Pakistan. Ph: 0092 3339991959 & 0092 997 414131; Email: drhammad@gmail.com, Web Page: <http://icp.edu.pk/page.php?abc=201412101234155> (PhD's Field and MPhil Supervisor).
9. **Dr. Muhammad Nisar**, Professor of Botany & Chairman Department of Botany, Malakand University, Chackdara, Pakistan. Ph: 0092 3335210289; Email: nisarhu@gmail.com Web Page: <http://www.uom.edu.pk/faculty/botany/#> (MPhil Supervisor).
