

Dr Shujaul Mulk Khan

Assistant Professor of Plant Sciences, Quaid-i-Azam University Islamabad, Pakistan

Member Pakistan Academy of Sciences

HEC approved supervisor

PhD & Post Doctorate - University of Leicester, United Kingdom

<https://www.qau.edu.pk/profile.php?id=804024>

<http://sc.hec.gov.pk/aphds/submit.asp?supid=5846>

http://scholar.google.com/citations?user=SOYrU_AAAAAJ&hl=en

<http://www2.le.ac.uk/departments/biology/people/harper/people/khan>

<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 situation

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 346 9134375; Office: 0092 51 90643069 E-mail: shuja60@gmail.com & smkhan@qau.edu.pk

Academic qualification

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

Additional computer literacy

Statistical Software

SPSS, STATISTICA, DECORANA, CANOCO, PCORD, SAM, TWINSpan, JUICE

Others

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

Achievements

- Elected as Member of Pakistan Academy of Sciences for the duration of 10 years i.e., January, 2020 – January, 2030.
- Achieved Outstanding Scientist Award & certificate in the “11th International Scientist Awards on Engineering, Science and Medicine” VDGGOODS Kolkata (October 2020).
- Achieved QAU Research Productivity Award, for best researcher in the years, 2018 & 2019 including Rs. 100,000/- plus a letter of Appreciation (August 2020).
- Achieved 7th HEC Outstanding Research Award, for Best Paper of the year, Rs. 70,000/- plus, medal & a certificate (August 7th, 2019).

- 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.
- 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.
- 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.
- 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)
- 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.
- **Pioneer General Secretary** of 'Society of Conservation Biology for Pakistan', 2014-19.
- 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.
- PhD Thesis was considered for **first prize** in the Biological Science, University of Leicester, UK for the year 2012, this news and overall performance in PhD was featured in the HEC Pakistan's magazine 'NEWS & VIEWS' page 13, July issue, 2012.
- 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>
- Participations in international conferences at Holland and Norway were featured in the HEC Pakistan's magazine 'NEWS & VIEWS' page 13, December issue, 2011.
- PhD research activities were featured in the HEC Pakistan's magazine 'NEWS & VIEWS', page 09, August, 2011 issue.
- Got **first position** and distinction as a **first MPhil Student** of Hazara University Mansehra, Pakistan, 2008.
- Throughout **first division** in academic carrier, 1987-2012.
- Topper of KP province in Classic Teacher training, 2005.
- Acquired "**Merit Certificate**" for securing 1st position in MSc Botany, 2004.
- Acquired "**Best Poet Certificate – student category**" in the Jahanzeb College Saidu Sharif Swat, Pakistan, during MSc in 2003.
- Acquired "**Quaid-e-Azam award and certificate**" for securing 1st Position in B. Sc., 2001.
- Got **first position** in S.S.C. (Metric Exam), 1996.

Higher education institutions level experience

- ❖ Assistant Professor of Plant Sciences, **Department of Plant Sciences, Quaid-i-Azam University Islamabad, Pakistan**, May 26, 2015 – to date
- ❖ 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 "*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 initiated as Principal Investigator in the year 2019-2021 via the ALP program of PARC.

- ✓ 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/- under completion as Principal Investigator in the year 2019-2022 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/- under completion as Principal Investigator in the year 2019-2020 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/- 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/- completed as Principal Investigator in the year 2015-2016 under the URF program of QAU (Principle Investigator).

Academic/Travel grants

- 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).
- 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 Willington, New Zealand (July 2nd to July 6th, 2018).
- 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.
- 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).
- 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).
- 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).
- 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).
- Achieved a **Travel Grant worth £ 750/-** from British Ecological Society to attend international conference INTECOL 2013 at London, UK (2013).
- 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).
- Granted with a **Scholarship worth £ 65,000/-** by HEC Pakistan for PhD studies from University of Leicester, UK (2008-2012).

Administrative experience

- 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.
- Member of Selection Board (Subject Expert Bio-Sciences), **Khushal Khan Khattak University Karak, Pakistan**, 2016 to Date.
- 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.

Research experience

- ❖ 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.
 - **Lab-III**; MSc, Department of Plant Sciences, Quaid-i-Azam University Islamabad Pakistan, 2015 – to-date.
 - **Plant Ecology**; MSc, Department of Plant Sciences, Quaid-i-Azam University Islamabad Pakistan, 2015 – to-date.
 - **Edaphology & Soil Biology**; MSc, Department of Plant Sciences, Quaid-i-Azam University Islamabad Pakistan, 2015 – to-date.
 - **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.
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Students' supervision

S. No	Name	Title of the thesis/dissertation	Session
<i>Students supervised - PhD</i>			
1.	Amjad ur Rehman	<i>Ecological and Geoinformatics Evaluation of Vegetation Dynamics in the Murree Forests; a step towards Biodiversity Conservation</i>	2016-2021
2.	Muhammad Iqbal	<i>Distribution of Weeds in Wheat crops with Reference to Farming System Analysis of Malakand District</i>	2014-2020
3.	Zulfiqar	<i>Conservation issues and restoration strategies of Japanese Oak in the Himalayan region of Pakistan</i>	2013-2019
4.	Zaheer Abbas	<i>Plant Diversity, Species Distribution Pattern and Ecosystem Services of the Shigar Valley Karakorum</i>	2013-2018
5.	Waqas Khan	<i>Evaluation of Plant Diversity of Thandiani Sub Forest Division, District Abbottabad; A step towards conservation management</i>	2012-2017
6.	Azhar Mehmood	<i>Assessment of Floristic Diversity along Environmental Gradients in the District Tor Ghar, Khyber Pakhtunkhwa, Pakistan</i>	2011-2016
7.	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>			
8.	Abdullah	<i>Ecology, Socioeconomics, Ethnobotany, Seed's dormancy and the Mazri Palm {Nannorrhops ritchiana (Griff.) Aitch.}; an appraisal from Khyber-Pakhtunkhwa Pakistan</i>	2019-2022
9.	Zeeshan Ahmad	<i>A holistic approach to bring sustainability and resilience in Plants and Microbes populations in the marble waste polluted ecosystem of the Khyber Pakhtunkhwa, Pakistan</i>	2019-2022
10.	Shahab Ali	<i>Forest Diversity, Structure and Function of Various Forest Types of Pakistan</i>	2019-2022
11.	Sadia Jehangir	<i>Ecological impact of the invasive species of Kashmir</i>	2020-2023
12.	Hazrat Ali	<i>Ecological assessment of vegetation and indigenous uses of plant resources in District Malakand Khyber Pakhtunkhwa</i>	2016-2021
13.	Ujala Ejaz	<i>Pollution assessment of Sialkot Industrial Zone</i>	2020-2024
<i>Students supervised – MPhil/MS</i>			
14.	Shakil Ahmad Zeb	<i>Spatio-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
15.	Yasin Khan	<i>Comparative studies of different varieties of grapes grown in various geographical regions</i>	2019-2020
16.	Samana Azam	<i>Ecological assessment of Plant Communities along the environmental gradient of District Haveli, Azad Jammu & Kashmir</i>	2019-2020
17.	Mevish Mumshad	<i>Phyto-ecological studies and Distribution pattern of Plant Communities in Dhirkot, Bagh, Azad Jammu & Kashmir</i>	2019-2020
18.	Farmanullah	<i>Ethno-ecological assessments and nutritional analyses of Vitis vinifera L. grown in Bajaur, Pakistan</i>	2018-2019
19.	Syeda Sabina Nizkat	<i>Comparative studies of Phyto-diversity within and around the Ayubia National Park with reference to species conservation</i>	2018-2019
20.	Sanam Asmat	<i>Plant species distribution and community pattern along environmental gradient of the Chitral Gol National Park</i>	2018-2019
21.	Abdul Rahman	<i>Ethno-biological and nutraceuticals evaluations of selected Grape cultivars from Quetta, Pishin and Bannu regions of Pakistan</i>	2018-2019
22.	Abdullah	<i>Ecological Assessment, Conservation Status and Restoration Strategies for Nannorrhops ritchiana (Griff.) Aitch. in the Agency of Bajaur, FATA, Pakistan</i>	2018-2019
23.	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

24.	Saifullah	<i>Ecological Comparisons of Vegetation and Soil along the Fresh and Salty Water Regimes in Bannu and Karak, Pakistan</i>	2018-2019
25.	Batool Zahra	<i>Phytosociological Studies of the Nagar Valley, Gilgit Baltistan, Pakistan</i>	2018-2019
26.	Fazal Manan	<i>Conservation and Ethno-ecological Studies of Parrotiopsis jacquemontiana (Dcne.) Rehder in Dir, KP, Pakistan</i>	2017-2018
27.	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
28.	Zahoor Ul Haq	<i>Ecological distribution and Syntaxonomic evaluation of Alder (Alnus nitida (Spach) Endl.Gen.) of the Northern Pakistan</i>	2017-2018
29.	Arooj Ashraf	<i>Application and effect of Plant Growth Promoting Bacteria isolated from medicinal plants on root development</i>	2017-2018
30.	Shahzada Azizullah Khan	<i>Phytogeographical Classification and Multivariate Vegetation Analyses of the Jambil Valley, District Swat, Pakistan</i>	2017-2018
31.	Zeeshan Ahmad	<i>Isolation and Characterization of Microbial flora in Marble Waste Polluted Ecosystem of District Buner, Pakistan</i>	2017-2018
32.	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
33.	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
34.	Murtaza Hussain	<i>Floristic exploration and quantitative ecological study of the Zeran Valley, Kurram Agency, Pakistan</i>	2016-2017
35.	Iram Noreen	<i>Phytogeographic studies of a polluted ecosystem, the area around Nashpa gas plant in District Karak, Pakistan</i>	2016-2017
36.	Sohail Anwar	<i>Floristic composition, Vegetation analyses and Ecological Gradient of the Laikot forests in Kalam, District Swat, Pakistan</i>	2016-2017
37.	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
38.	Muhammad Abbas Khan	<i>Species Diversity and Ethnobotanical Study of Allai Valley in the Western Himalayan Region of Pakistan</i>	2016-2017
39.	Shehroz Anum	<i>Effect of endophytic strain Kocuria rhizophila 14 asp. on the growth of selected ornamental plants against Nickel (Ni)</i>	2015-2016
40.	Abdussalam	<i>In vitro and in vivo evaluation of diverse bread wheat genotypes for drought stress tolerance</i>	2015-2016
41.	Iram Gul	<i>Bioconversion of Quercus glauca (Blue Japanese Oak) seed cones into biofuel using nanotechnology</i>	2015-2016
42.	Saeed Ur Rahman	<i>Systematic studies of family Berberidaceae</i>	2015-2016
43.	Farwa Kiran Rafi	<i>Biodiesel production from Citrus fruit using Transesterification</i>	2015-2016
44.	Ghana Maqsood	<i>Physico-chemical Analysis of Biodiesel Production from Filbert Tree</i>	2015-2016
45.	Umar Nawaz Khan	<i>Bioconversion of (Eucalyptus Globulus Labillardière) Biomass into Fuel by using Nanotechnology</i>	2015-2016
46.	Imran Aziz	<i>Floristic Evaluation and Vegetation analyses of the Bagh Duskheil Valley, District Dir Lower</i>	2015-2016
47.	Ahmad Zeb	<i>Altitudinal gradient analyses of the Balakot Forests of District Swat in the Hindukush Range of Mountains</i>	2015-2016
48.	Riazul Haq	<i>Plant Species Composition and Communities Pattern of the Doag Dara, District Dir Upper</i>	2015-2016
49.	Saira Bano	<i>Floristic Analyses of the Beer Hills along the Indus River of Districts Haripur and Abbottabad Pakistan</i>	2015-2016
50.	Murad Khan	<i>Vegetation Analyses of the Mount Eelum, District Swat through Multivariate approach</i>	2014-2015
51.	Bakht Naz	<i>Evaluation of Rape Seed Genotypes for Morphological Traits and Chemical Composition</i>	2014-2015

52.	Rabia Noor	<i>Morphological and Agronomic Characterization of Lentil Germplasm at Swat, Pakistan</i>	2014-2015
53.	Shamaila Bibi	<i>The Effect of Organic Nutrient and Potassium Application on Agronomic Traits of Strawberry</i>	2014-2015
54.	Akbar Zeb	<i>Phytosociological Studies of Vegetation of Biha Valley, District Swat</i>	2014-2015
55.	Hayatullah	<i>Floristic diversity and Quantitative Description of Vegetation of Mankial Valley</i>	2014-2015
56.	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>			
57.	Khadija Rehman	<i>Ecological assessment of vegetation along the pollution gradient; a case study from the Rawal Lake and Shahdara Stream</i>	2020-2021
58.	Sara Shehzadi	<i>Biological assessment of Arisaema jacquemontii; a species of temperate mountains of Pakistan</i>	2020-2021
59.	Amin Ur Rehman	<i>Wood Density and Biomass of Temperate Forests Along the Rainfall Gradient in the Indo-Himalayan Mountains of Swat, Dir and Chitral</i>	2020-2021
60.	Muhammad Suliman	<i>Carbon Stock in woody vegetation along the precipitation gradient in the Tempret Forest of Norhtren Pakistan</i>	2020-2021
61.	Dost Muhammad	<i>Variations in the analytical characteristics of woody plants along the Monsoon gradient of Northern Pakistan</i>	2020-2021
62.	Hameed Ullah	<i>Vegetation Dynamics along with environmental factors in the Yakhtangay hill, District Shangla</i>	2020-2021
63.	Asad Ullah	<i>topic to be assigned</i>	2021-2022
64.	Ateeqa Khalid	<i>topic to be assigned</i>	2021-2022
65.	Maham Rana	<i>topic to be assigned</i>	2021-2022
<i>Students supervised – BS/MSc</i>			
66.	Tayyaba Jahan	<i>Vegetation in Bansra Gali National Park, Murree Pakistan; a preliminary ecological approach</i>	2019-2020
67.	Ateeqa Khalid	<i>Biological Spectrum of vegetation in the Bansra Gali National Park, Murree, Pakistan</i>	2019-2020
68.	Maham Rana	<i>Assessment of morphological traits and optimization of temperature for raisins preparation from selected grape varieties of Pakistan</i>	2019-2020
69.	Zeeshan Ahmad	<i>Weed species composition and distribution pattern in maize crop of Shahbaz Ghari, District Mardan</i>	2014-2015
70.	Shahab Ali	<i>Assessment of ornamental plant species grown in Home Gardens of Rustam, District Mardan</i>	2014-2015
71.	Keturah Smithson	<i>The effects of substrate on the invertebrates in the River Eye Brook, Leicestershire, UK</i>	2010-2011
72.	Lisa Smallwood	<i>Assessing recent macrophytes response to alterations in water chemistry in the River Welland, England</i>	2010-2011
73.	Noorullah	<i>Floristic and vegetation distribution of the Lalku Valley District Swat</i>	2007-2008
74.	Bakht Zada	<i>Ethnobotanical study of Nelonai Khwarr catchment District Shangla</i>	2007-2008
75.	Akbar Zeb	<i>Ethnobotanical study of the Dughalgay Valley District Swat.</i>	2007-2008
76.	Ayesha Azeem	<i>Important medicinal trees of Hazara Division, NWFP</i>	2007-2008
77.	Raja Saifur Rahman	<i>The Common Tree Species of Abbottabad City</i>	2007-2008

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Book chapters published

107. Asmat, S., **S. M. Khan***, Z. Ahmad, Abdullah, R. Noor., and M. Arif, 2021. *Study of Medicinal Plants of Chitral Gol National Park With Special Reference to Conservation*; In the Arshad Mehmood Abbasi and Rainer Bussmann (Eds): "Ethnobiology of Mountain Communities in Asia". Springer; ISBN 978-3-030-55493-4, 469817_1_En. DOI. 10.1007/978-3-030-55494-1_4. <https://www.springer.com/gp/book/9783030554934>
108. Nazakat, S., **S. M. Khan***, Abdullah, R. Noor., and I. U. Zaman, 2021. *Floral Composition, Sustainable Utilization, and Conservation of Important Medicinal Plants in Ayubia National Park, Abbottabad, Khyber Pakhtunkhwa, Pakistan*; In the Arshad Mehmood Abbasi and Rainer Bussmann (Eds): "Ethnobiology of Mountain Communities in Asia". Springer; ISBN 978-3-030-55493-4, 469817_1_En. DOI. 10.1007/978-3-030-55494-1_6. <https://www.springer.com/gp/book/9783030554934>
109. Abdullah, R. Afza, **S. M. Khan***, Z. Haq, 2021. *Ethnobotanical Appraisal of Medicinal Plants from Bajaur: A Remote Area of Khyber Pakhtunkhwa, Pakistan*; In the Arshad Mehmood Abbasi and Rainer Bussmann (Eds): "Ethnobiology of Mountain Communities in Asia". Springer; ISBN 978-3-030-55493-4, 469817_1_En. DOI. 10.1007/978-3-030-55494-1_15. <https://www.springer.com/gp/book/9783030554934>
110. Haq, Z., **S. M. Khan***, S. A. Shah, and Abdullah, 2021. *Ecosystem Services of Himalayan Alder*; In the Jhariya, Manoj Kumar, Meena, Ram Swaroop, Banerjee, Arnab (Eds): "Ecological Intensification of Natural Resources for Sustainable Agriculture". Springer; ISBN 978-981-334-202-6 En. <https://www.springer.com/gp/book/9789813342026>
111. Khan, W., **S. M. Khan***, and H. Ahmad, 2018. *Ethnoecology, Human Health and Plants of Thandiani Sub Forest Division, Abbottabad, KP, Pakistan*; In the Ozturk, M. and K.R. Hakeem (Eds.) "Plant and Human Health, Volume 1; Etnobotany and Physiology", pp 547-567. Springer; ISBN 978-3-319-93997-1. DOI. 10.1007/978-3-319-93997-1_14. <https://www.springer.com/us/book/9783319939964>
112. Ijaz, F., I. U. Rahman, Z. Iqbal, J. Alam, N. Ali and **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; Etnobotany 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>
113. Taj, R., I. U. Rahman, A. H. Shah, S. M. Khan*, A. Afzal, N. Ali, Z. Iqbal, and 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; Etnobotany 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>
114. **Khan, S. M.*** and 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**", Springer; ISBN 978-3-319-12858-0, pp 647. <http://www.springer.com/us/book/9783319128580>
115. H. Ahmad, M. O. Turk, W. Ahmad and **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**", Springer; ISBN 978-3-319-12858-0, pp 647. <http://www.springer.com/us/book/9783319128580>

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

116. 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.
117. 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.

118. **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.
119. Ahmad, H., **S. M. Khan** and A. Majid, 2014. *Proceedings/Abstract Book of 1st International Symposium "The Himalayas of Pakistan; Resources and Conservation Issues"* (November 27 – 30, 2014) at Hazara University Mansehra Pakistan. (Supplementary Issue of Pharmacology Online Journal).
120. **Khan, S. M.**, A. Azeem and H. Shaheen, 2012. *Ethnobotanical Profile of Medicinal Trees from the Lesser Himalayas*. ISBN 978-3848435234, pp 108.
121. 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.
122. **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.
123. **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.

Conferences/Symposia/Workshops/Events organized

1. 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.
2. World Soil Day Celebrations of 2019 with the theme "**Stop Soil Erosion**" at Quaid-i-Azam University Islamabad Pakistan. December 12th, 2019.
3. 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.
4. 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.
5. 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.
6. 1st international conference on "**Emerging Trends in Plant Proteomics**" at Department of Plant Sciences Quaid-i-Azam University Islamabad, Pakistan. October 1 - 3, 2017.
7. 7th National Conference on the "**Biodiversity Conservation, Livelihood and Sustainable Development**" at Baragali Summer Campus, University of Peshawar, Pakistan. July 10 - 12, 2017.
8. One day Training Workshop on "**Climate Change; Can we make a difference**" at Islamia College University Peshawar, Pakistan. May 17th, 2017.
9. 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.
10. Second International Symposium on the "**Biodiversity of Pakistan: Prospects and Associated Issues**", Baragali Summer Campus University of Peshawar. May 22 - 24, 2016.
11. First International Symposium on "**The Himalayas of Pakistan; Resources and Conservation Issues**", Hazara University, Mansehra November 27 - 30, 2014.
12. HEC Sponsored Training Course on "**Utilization of DNA Technology for Plant Improvement**", Department of Genetics, Hazara University, Mansehra. May 22 - 26, 2007.
13. HEC Workshop on "**Teachers Training Course in Plant Taxonomy**", Department of Botany, Hazara University, Mansehra, Pakistan.. April 19 - 24, 2007.
14. 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.**, 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).

2. **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.
3. 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.
4. Ullah, F., **S. M. Khan**, A. Rehman, A. Ullah, Z. Ahmad, S. A. Zeb, Y. Khan, and S. Ali, 2020. *Diversity in Leaf and Shoot Morphological Characteristics among various Grape (Vitis Vinifera L.) cultivars in Agroclimatic Region of Bajaur, Pakistan*. National Conference on “**Beneficial Microbes & Sustainable Crop Production**” at the University of Agriculture, Peshawar. February, 19 – 20, 2020.
5. **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.
6. **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.
7. **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.
8. **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.
9. **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.
10. **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.
11. **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.
12. **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.
13. **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.
14. **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.
15. **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.
16. **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/>
 17. **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>
 18. 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.
 19. **Khan, S. M.**, 2014. Invited Speaker to deliver plenary speech on **“Himalayan 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/>
 20. **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. M. Khan, W. Muhammad, **Khan, S. M.**, 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, 2019.
2. **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.
3. 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.
4. **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.
5. **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.
6. **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.
7. **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.
8. 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>
9. **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.

10. 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.
11. 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.
12. 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.
13. 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.
14. **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.
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 87. **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/>
 88. **Khan, S. M.**, D. M. Harper, S. Page and H. Ahmad, 2012. *Evaluation of plants environment relationship and recognition of indicator species using multivariate statistics*. Proceedings of the “**International Statistical Ecology Conference (ISEC 2012)**” (July 3-6, 2012) Sundvolden, Krokkleiva Oslo, Norway. <http://www.cees.uio.no/isec2012/>
 89. **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>
 90. **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/>
 91. **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\(SI\)11-20.html](http://www.pakbs.org/pjbot/tcontents/tcontent43(SI)11-20.html)
 92. **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
 93. **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>
 94. **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/>
 95. **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>
 96. **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>
 97. **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. <http://www.hec.gov.pk/Events/Documents/For%20webmasters%20symposium%20HU.pdf>
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News articles/blogs/interviews published

- i. 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/quaaid-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/
- ii. *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>
- iii. 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 News paper Technology Times <https://www.technologytimes.pk/infrastructure-peshawar-ecofriendly/>
- iv. 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.granaiellamemoria.it/index.php/it/archivi/storie-di-vita/shujaul-mulk-khan>
- v. 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/>
- vi. 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/>
- vii. 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/>
- viii. 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/>

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

1. 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.
2. 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.
3. A webinar on “Search for Extraterrestrial Life across the Solar System” by Dr. Nozair Khawaja, on 04th January, 2021.
4. Training for Slow Food leaders “Improve Your Skills! Fundraising: Techniques and Good Practices” (Virtual) 9th December, 2020, Bra, Italy.

5. Agriculture webinar episode 17 entitled “World Science Day for Peace and Development Recarbonization of Global Soils: Challenges and Opportunities” at 05:00 PM PST.
6. PAS Agriculture webinar episode 16 entitled “Oilseed Crop Production and Supply Chain” on 6th November, 2020 at 06:00 PM PST.
7. 4th International Pharmacy Conference (Virtual) at Quaid-i-Azam University Islamabad, Pakistan. October 10, 2020.
8. PAS Agriculture webinar WEBINAR - Education and Learning - Pandemic Times on 24th September, 2020 at 04:00 PM PST.
9. PAS Agriculture webinar episode 4 entitled “A Review of Agriculture Policy in Pakistan” on 17th, August 2020 at 11:00 AM PST.
10. PAS Agriculture webinar episode 2 entitled “Precision Agriculture and Sustainable Solutions” on 30th, July 2020 at 04:00 PM PST.
11. National Conference on “Combating the Air Pollution! The biggest Killer. Saving Lives, Saving Planet” at Quaid-i-Azam University Islamabad, Pakistan. September 18th, 2019.
12. 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/>
13. 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>
14. One day international seminar on “*Crop Wild Relatives Genetic Resources of Pakistan and their Utilization*” at National Agricultural Research Council, Islamabad. November 14th, 2018.
15. 2nd International Conference on Natural Sciences, Climate and Biodiversity at the University of Azad Jammu & Kashmir, Muzaffarabad. September 15-17, 2018. c
16. 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.
17. 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.
18. Three days’ workshop on “*Modern Trends in Microscopy (WM-2016)*” organized by National Institute of Vacuum Science and Technology (NINVEST), Islamabad. May 24-26, 2016.
19. 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.
20. 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.
21. 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.
22. 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.
23. Training Session for PhD internship scheme with De Montfort & Leicester Universities, UK. April 26, 2012.
24. Social Media, Friend or Foe? University of Leicester, UK. March 14, 2012.
25. The Social Web: Building and Maintaining your Digital Profile (SPR Event), Media Zoo, University of Leicester, UK. March 7, 2012.
26. 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.
27. 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.
28. Training workshop “Presenting Research to Different Audiences” Student Development Zone University of Leicester, UK. March 18, 2011.
29. Using PowerPoint for poster design, April 12, 2011.
30. Botanical Society of Scotland’s workshop on “*Plant Ecology & Evolution*”, at Royal Botanic Garden Edinburgh, University of Edinburgh, UK. October 18 – 19, 2011.

31. Advanced database searching & bibliographic software: use of ENDNOTE, University of Leicester, UK. March 16, 2010.
 32. General Presentation Skills, University of Leicester, UK. February 22, 2010.
 33. Improving MS- PowerPoint presentations, University of Leicester, UK. February 04, 2010.
 34. Off to a conference? Posters preparation and presentation, University of Leicester, UK. February 02, 2010.
 35. Giving research seminars and conference talks, University of Leicester, UK. January 09, 2010.
 36. Experimental design & practical statistics, University of Leicester, UK, January 26, 2010.
 37. Writing up your research for publication, University of Leicester. UK, January 18, 2010.
 38. Creativity and Problem Solving Workshop, University of Leicester, UK. December 14, 2009.
 39. Use of MS Word for Long Documents, University of Leicester, UK. March 11, 2009.
 40. Advanced Database Searching; Bibliographic software & keeping up to date; use of REFWORKS for Biomedical scientists, University of Leicester, UK. March 10, 2009.
 41. Working with others: team work and leadership, University of Leicester, UK. February 26, 2009.
 42. Demonstrating and teaching skills, at University of Leicester, UK. January 29, 2009
 43. Four week course on APG Statistics using Stata, University of Leicester, UK. November, 2008.
 44. HEC Workshop on “**Training of Trainers in Plant Biodiversity**”, at Department of Botany, University Peshawar, Pakistan. November 23 - 25, 2006.
 45. HEC Workshop on “**2nd National Training in Biotechnological Techniques**” University of Sindh Jamshoro, Pakistan. December 10 - 14, 2006.
 46. HEC Workshop on “**Advances in Plants Ecology**”, Department of Botany, University of Karachi, Pakistan. July 3 - 6, 2006.
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Member of editorial board for international journals

- *Journal of Ethnobiology and Ethnomedicine* - since 2012.
 - *Journal Conservation Biology Pakistan* - since 2014.
 - *Pakistan Journal of Botany*, Guest Editor in 2011, 2014 and 2017.
 - *Journal of Ethnobotany Research and Applications* – since 2018
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Reviewer of international journals

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

Member of the societies/associations

- ❖ 2019 - todate President, Local Chapter Islamabad, Voluntary Force Against Hepatitis Transmission (VFAHT)
 - ❖ 2018 - todate Slow Food International
 - ❖ 2014 - todate General Secretary, Pakistan Society of Conservation Biology
 - ❖ 2011 - todate British Ecological Society (BES), UK.
 - ❖ 2008 - todate Botanical Society for the British Isles (BSBI), England, UK.
 - ❖ 2007 - todate Pakistan Botanical Society.
 - ❖ 2009 - 2015 Scottish Botanical Society, Scotland, UK.
 - ❖ 2009 - 2015 Physical Geography Research Group University of Leicester, UK.
 - ❖ 2006 - 2018 Botanical Society Hazara University (BSH), Pakistan.
 - ❖ 2006 - 2008 DNA Group Hazara University, Pakistan.
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Research Theses/Dissertations evaluated/examined at postgraduate level (PhD)

1. Ms. Ayesha Ayub, 2020, PhD, Department of Environmental Sciences, Fatima Jinnah Women University Rawalpindi, Pakistan; Thesis titled *“Environmental Pollution Assessment in the subrubs of Coalmines in the Selected District of Balochistan, Pakistan”*.
2. 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)”*.
3. 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

MPhil = 54

MSc/BS = 55

Countries visited

- ❖ United Kingdom
 - ❖ China
 - ❖ Italy
 - ❖ Malaysia
 - ❖ Netherland
 - ❖ Norway
 - ❖ Oman
 - ❖ Qatar
 - ❖ Russia
 - ❖ Saudi Arabia
 - ❖ Sweden
 - ❖ Switzerland
 - ❖ Turkey
 - ❖ United Arab Emirate
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References of Referees

1. **Prof. Dr. Habib Ahmad (TI)**, Professor of Botany, Vice Chancellor, Islamia Collogee Pehawar and Hazara University Mansehra, Pakistan. Ph: 0092 3339991959 & 0092 997 414131; Email: drhahmad@gmail.com, Web Page: <http://icp.edu.pk/page.php?abc=201412101234155> (PhD's Field and MPhil Supervisor).
2. **Prof. Dr. Andrea Pieroni**, Rector & Professor of Food Biodiversity Sciences, Ethnobotany, and Ethnobiology, The University of Gastronomic Sciences, Pollenzo, Italy & Chief Editor of the BMC's journal Ethnobiology and Ethnomedicine. Phone 0039 0172 458538. Email: a.pieroni@unisg.it, Web Page: <https://www.unisg.it/en/docenti/andrea-pieroni/> (Boss at visiting University).
3. **Prof. Dr. Sue Page**, Professor of Physical Geography & Head Department of Geography, Bennett Building, room F47, Ph: 0044 116 252 3318, University of Leicester, UK; Email: sep5@leicester.ac.uk, Web Page: <http://www2.le.ac.uk/departments/geography/people/sep5?searchterm=sue%20page> (PhD 2nd Supervisor).
4. **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>
5. **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).
6. **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).
Web Page: <http://www2.le.ac.uk/departments/biology/people/harper?searchterm=David%20Harper>
7. **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)
8. **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)
9. **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>
10. **Dr. Muhammad Nisar**, Associate 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).
