

Name:	<b>Dr. SHAZIA SAKHI</b> shaziasakhi@uswat.edu.pk
Experience	<ul style="list-style-type: none"> <li>• Dec 10, 2007, Lecturer, Kohat University of Science &amp; Technology, KOHAT</li> <li>• January 2016, Assistant Professor, Kohat University of Science &amp; Technology, KOHAT</li> <li>• Nov, 2019, Assistant Professor, University of Swat</li> </ul>
Honors and Awards	<ul style="list-style-type: none"> <li>• Gold Medal, M.Sc Botany, University of Malakand 2005</li> <li>• Awarded one year PhD scholarship for Japan under the project <b><u>“International Linkage of Pakistani Universities with Foreign Universities” KUST (Pakistan) – University of Tsukuba (Japan)</u></b> of Kohat University of Science and Technology, Kohat, Pakistan from July, 2011 to July, 2012.</li> <li>• Visit University of Alabama United States in Women Leader Ship Program of HEC</li> </ul>
Memberships	<ul style="list-style-type: none"> <li>• <u>Currently serving as Incharge Department of Botany Women Campus</u>, University Of Swat.</li> <li>• Currently Assistant Professor, at Center Of Plant Sciences and Biodiversity, University Of Swat From: Nov 26, 2019 till present</li> <li>• Serve as a Lecturer, Department of Botany, Kohat University of Science &amp; Technology, KOHAT</li> <li>• Serve as a Assistant Professor, Department of Botany, Kohat University of Science &amp; Technology, KOHAT</li> <li>• Serve as chairperson, Department of Botany, Kohat University of Science and Technology, Kohat in Feb, 2011 to March, 2011.</li> <li>• Work as warden Since 2008-2019 at Girls Hostel, Kohat University of Science and Technology, Kohat, Pakistan</li> <li>• Member of Semester Committee in University of Swat since 2021.</li> <li>• Convener of Departmental admission committee, Department of Psychology women campus, University of Swat since (2021).</li> <li>• Departmental PT member (QEC-KUST) for PhD/ M.Phil Botany program (2012-2019).</li> <li>• Member of Board of study, Center of Plant Sciences and Biodiversity University of Swat since 2019.</li> <li>• Member of Graduate Research Committee Center of Plant Sciences and Biodiversity University of Swat since 2019.</li> <li>• Work as a Women Campus coordinator university of Swat (2021-october 2022)</li> <li>• Working as a Staff proctor women campus university of Swat Since 2019.</li> <li>• Member of Graduate Studies Committee (GSC) at CPS&amp;B University of Swat since 2020.</li> </ul>

Graduate Students	List supervision of graduate students and undergraduate honors theses showing:																					
	<table border="1"> <thead> <tr> <th>Years</th> <th>Degree</th> <th>Name</th> </tr> </thead> <tbody> <tr> <td>2015</td> <td>M.Sc</td> <td>Farheen Bangush, Zonaiara, Munaza, Rabil Bari</td> </tr> <tr> <td>2020</td> <td>M.Sc, M.Phil</td> <td>Rehana, Neelum, Farida, Amir</td> </tr> <tr> <td>2021</td> <td>BS</td> <td>Abbas Khan, Massod urehman, Asad Ullah, Umar</td> </tr> <tr> <td></td> <td></td> <td>Sadique, Yasir wahid, Mhammad Adnan, Tanveer Ahmad</td> </tr> <tr> <td>2022</td> <td>M.phil</td> <td>Nasseb Ullah, Hira Khan, Shukat Ali, Sumeera, Somayaa bibi, Nooru-Ul-Ain</td> </tr> <tr> <td>2022</td> <td>(BS)</td> <td>Zohra, Muneeba, Roma, Kusar, Seema, Zarmina</td> </tr> </tbody> </table>	Years	Degree	Name	2015	M.Sc	Farheen Bangush, Zonaiara, Munaza, Rabil Bari	2020	M.Sc, M.Phil	Rehana, Neelum, Farida, Amir	2021	BS	Abbas Khan, Massod urehman, Asad Ullah, Umar			Sadique, Yasir wahid, Mhammad Adnan, Tanveer Ahmad	2022	M.phil	Nasseb Ullah, Hira Khan, Shukat Ali, Sumeera, Somayaa bibi, Nooru-Ul-Ain	2022	(BS)	Zohra, Muneeba, Roma, Kusar, Seema, Zarmina
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Research students under process	<p>2022 M.Phil: Massodur Rehman, Shela shehzad, Summaya Bibi, Neelum, Anisa Jamil and Sohail Ahmad</p> <p>2022 BS:, Hafsa, Sahar ,Husna, Komal, Reshma, Nayab, Mahnoor, Safia, Tammna</p>																					
Service Activity	<ul style="list-style-type: none"> <li>• Currently Assistant Professor, at Center Of Plant Sciences and Biodiversity, University Of Swat From: Nov 26, 2019 till present</li> <li>• Currently serving as Botany Department Incharge Women Campus , University Of Swat.</li> <li>• Serve as a Lecturer, Department of Botany, Kohat University of Science &amp; Technology, KOHAT</li> <li>• Serve as a Assistant Professor, Department of Botany, Kohat University of Science &amp; Technology, KOHAT</li> <li>• Serve as chairperson, Department of Botany, Kohat University of Science and Technology, Kohat in Feb, 2011 to March, 2011.</li> <li>• Serve as warden Since 2008-2019 at Girls Hostel, Kohat University of Science and Technology, Kohat, Pakistan</li> <li>• Supervise BS, M.Phil and PhD Students</li> <li>• <u>Work with HESSA project of Higher Education Commision in Women leadership program in 2022 to 2023</u></li> </ul>																					
Brief Statement of Research Interest	<p>Plant Breeding and Genetics</p> <p>Stress Physiology</p> <p>Ethnobotany</p> <p>Genetic Diversity</p>																					
Publications	<ol style="list-style-type: none"> <li>1. <b>S.Sakhi</b>, A.Habib, B.Yasmin, S.Ghafoor and A.K.Imtiaz, 2010.Comparitive Genomic Studies of Leguminous Species.C.R.J.of Bio.Sci 2(3):178-172.</li> <li>2. B. Yasmin, A.Habib, <b>S.Sakhi</b>, S.Ghafoor and A.K.Imtiaz, Comparitive Proteomics Studies of Leguminous Species. A.J.of Agri.Sci 2(3):89-93.</li> </ol>																					

3. Nashir Uddin\*, **Shazia Sakhi**, and Kazutoshi Okuno, (2012). Evaluation of Photoperiod Sensitive Sorghum Germplasm for Pre-flowering Drought Tolerance. Conference: UNESCO-APEID International Symposium on Agricultural Reducation for Sustainable Development 2012 At: University of Tsukuba, Japan, DOI:[10.13140/2.1.2348.3205](https://doi.org/10.13140/2.1.2348.3205)

4. **S. Sakhi**, T. Shehzad., S. Rehman., and K. OKUNO (2013) Mapping QTLs underlying drought stress at reproductive stage in *Sorghum bicolor* (L. Moench) germplasm by association analysis. *Euphytica*, 193:433-450 **Impact factor=1.7**

5. **S. Sakhi**, S. Rehman., K. OKUNO., M. Jamil., and A. Shehzad., (2014) Evaluation of *Sorghum bicolor* (L. Moench) core collection for pollen fertility and yield traits components under drought stress at reproductive stage. *International Journal of Agriculture and Biology*, 16-2-251-260. **Impact factor= 0.9**

6. Abdullah Abdullah, Shujaul Mulk Khan, Andrea Pieroni, Aminul Haq, Zahoor Ul Haq, Zeeshan Ahmad, **Shazia Sakhi**, Abeer Hashem, Al-Bandari Fahad Al-Arjani, Abdulaziz A. Alqarawi and Elsayed Fathi Abd\_Allah (2021) A Comprehensive Appraisal of the Wild Food Plants and Food System of Tribal Cultures in the Hindu Kush Mountain Range; A Way Forward for Balancing Human Nutrition and Food Security. Sustainability **impact factor=2.576**

7. Inayat Ur Rahman a,b, Aftab Afzala, Eduardo S. Calixto c, Zafar Iqbala, Mohnad Abdalla d, Hameed Alsamadany e, Rainaz Parvezf, Muhammad Rommang, Niaz Alia, **Shazia Sakhi** and Muzammil Shahe (2021), Species-specific and altitude-related variations in stomatal features of *Berberis lyceum* Royle and *B. parkeriana* C.K. Schneid, BOTANY LETTERS <https://doi.org/10.1080/23818107.2021.1947371> **impact factor=1.576**

8. Azhar Mehmood a,b,\*, Abbas Hussain Shah e, Azhar Hussain Shah b, Shuja Ulmulk Khan d, Khalid Rasheed Khan e,\*, Muhammad Farooq e, Habib Ahmad c, **Shazia Sakhi** f, (2021), Classification and ordination analysis of herbaceous flora in district Tor Ghar, western Himalaya, *Acta Ecologica Sinica journal homepage: [www.elsevier.com/locate/chnaes](http://www.elsevier.com/locate/chnaes)*

**impact factor=1.414**

9. Yaseen khan, Shujaul mulk khan, Ihsanulahaq, Farzana, Abdullah, Arshad Mehmood Abbasi, Saad Alamire, Mohammad Hashim, **Shazia Sakhi**, Mohammad Asif, Hassain Shah (2021), antioxidant potential in the leaves of grape Varieties (*Vitis vinifera L.*), Grown in different soil composition, Arabian Journal of Chemistry **impact factor=5.1**

10. Rahman, I.U.; Afzal, A. Iqbal, Z.; Hashem, A.; Al-Arjani, A.-B.F.; Alqarawi, A.A.; Abd\_Allah, E.F.; Abdalla, M.; Calixto, E.S.; **Sakhi, S**; et al. Species Distribution Pattern and Their Contribution in Plant Community Assembly in Response to Ecological Gradients of the Ecotonal Zone in the Himalayan Region. *Plants* **2021**, *10*, 2372. <https://doi.org/10.3390/plants10112372>

**impact factor=3.935**

11. Mevish Mumshad<sup>1</sup>, Israr Ahmad<sup>1\*</sup>, Shujaul Mulk Khan<sup>2</sup>, Abdullah<sup>2</sup>, Khadija Rehman<sup>2</sup>, Mohammad Islam<sup>3</sup>, **Shazia Sakhi**<sup>4</sup>, Sami Ullah Khan<sup>1</sup>, Sahib Gul Afridi<sup>5</sup>, Sulaiman Shams<sup>5</sup>, Samana Azam<sup>1</sup>, Ishtiaq Ahmad<sup>6</sup>, Rabia Afza<sup>7</sup>, Zeeshan Ahmad<sup>2\*</sup> (2021). Phyto-ecological studies and distribution pattern of plant species and communities of Dhirkot, Azad Jammu and Kashmir, Pakistan. *PLoS ONE* 16(10): e0257493.

<https://doi.org/10.1371/journal.pone.0257493> **impact factor=3.24**

12. Nailla Hayat<sup>1</sup>, Neelum Afroz<sup>1,2</sup>, Shafiq Rehman<sup>3</sup>, Syeda Huma Bukhari<sup>1</sup>, Khalid Iqbal<sup>1</sup>, Amana Khatoon<sup>1</sup>, Nadia Taimur<sup>1</sup>, **Shazia Sakhi**<sup>2</sup>, Nisar Ahmad<sup>2</sup>, Riaz Ullah<sup>4,\*</sup>, Essam A. Ali<sup>5</sup>, Ahmed Bari<sup>5</sup>, Hidayat Hussain<sup>6</sup> and Ghazala Nawaz<sup>1,\*</sup> (2021), Plant-Derived Smoke Ameliorates Salt Stress in Wheat by Enhancing Expressions of Stress Responsive Genes and Antioxidant Enzymatic Activity, *Agronomy*, *12*, 28. <https://doi.org/10.3390/agronomy12010028> **impact**

**factor=2.24**

13. Rahman, I.U.; Afzal, A.; Iqbal, Z.; Alzain, M.N.; Al-Arjani, A.-B.F.; Alqarawi, A.A.; Abd\_Allah, E.F.; Ali, N.; **Sakhi, S**; Khan, M.A.; et al. Classification and Characterization of the Manoor Valley's (Lesser

Himalaya) Vegetation from the Subtropical-Temperate Ecotonal Forests to the Alpine Pastures along Ecological Variables. *Plants* **2022**, 11, 87. <https://doi.org/10.3390/plants11010087> **impact factor=3.935**

- 14.** Ikram Muhammad<sup>1</sup>, Muhammad Shuaib<sup>2\*</sup>, Naila Hidayat<sup>3</sup>, Alia Gul<sup>4</sup>, Muhammad Romman<sup>5</sup>, Khaist Begam<sup>6</sup>, **Shazia Sakhi**<sup>7</sup>, Badshah Alam<sup>6</sup>, Sahib Gul Afridi<sup>8</sup>, Adnan Ghani<sup>9</sup>, Ali Sultan Khan<sup>10</sup>, Abdur Rauf<sup>11</sup>, Noshin Shafqat<sup>6</sup>, Naseer Ali Shah<sup>12</sup>, Siraj Bahadar<sup>13</sup>  
“Evaluation of wheat germplasm for drought tolerance using morpho-physiological approaches “*Annals of R.S.C.B.*, ISSN: 1583-6258, Vol. 25, Issue 6, 2021, Pages. 21086 – 21108 Received 25 October 2021; Accepted 20 November 2021. **impact factor=0.9**
- 15.** Shumaila Gul<sup>1</sup>, Fida Hussain<sup>1,2</sup>, Alia Gul<sup>3</sup>, Syed Abidullah<sup>4,5</sup>, Ruby Wali Khan<sup>3</sup>, Shazia Sakhi<sup>6</sup>, Shazia Dilbar<sup>6</sup>, Shoaib Ahmad<sup>7</sup>, Nadeem Khan<sup>7</sup>, Saraj Bahadur<sup>8</sup>, Muhammad Shuaib<sup>9\*</sup>, (2021). Allelopathic Effect of *Melia azedarach* L. and *Populus nigra* L. on Germination and Growth *Brassica campestris* L. *CATRINA*, 25(1): 11-17
- 16.** Khan, I.A.; Rahman, M.U.; **Sakhi, S.**; Nawaz, G.; Khan, A.A.; Ahmad, T.; Adnan, M.; Khan, S.M. PpMYB39 Activates PpDFR to Modulate Anthocyanin Biosynthesis during Peach Fruit Maturation. *Horticulturae* **2022**, 8, 332. <https://doi.org/10.3390/horticulturae8040332> (**W=category**)
- 17.** A. Sharifa, N. A. Shahb\*, A. Raufc, N. Hidayatd, A. Gule, G. Nawazf, **S. Sakhi**, M. Iqbalh, M. R. Khana, A. A. Shahi, N. Azamj, H. Iftikhark, S. A. Shahl, S. Bahadurm F. Hussainn and M. Shuaibo\*Ethnomedicinal uses of plants for various diseases in the remote areas of Changa Manga Forest, Pakistan, (2022), *Brazilian Journal of Biology*, 2022, vol. 84, e255916 | <https://doi.org/10.1590/1519-6984.255916> (**X=Catagory**)

18. Haq, S.M.; Hassan, M.; Bussmann, R.W.; Calixto, E.S.; Rahman, I.U.; **Sakhi, S.**; Ijaz, F.; Hashem, A.; Al-Arjani, A.-B.F.; Almutairi, K.F.; et al. A Cross- Cultural Analysis of Plant Resources among Five Ethnic Groups in the Western Himalayan Region of Jammu and Kashmir. *Biology* **2022**, *11*, 491. <https://doi.org/10.3390/biology11040491> (W=category)
19. Rahman, I.U.; Afzal, A.; Iqbal, Z.; Alzain, M.N.; Al-Arjani, A.-B.F.; Alqarawi, A.A.; Abd\_Allah, E.F.; Ali, N.; **Sakhi, S.**; Khan, M.A.; et al. Classification and Characterization of the Manoor Valley's (Lesser Himalaya) Vegetation from the Subtropical-Temperate Ecotonal Forests to the Alpine Pastures along Ecological Variables. *Plants* **2022**, *11*, 87. <https://doi.org/10.3390/plants11010087> (w=category)
20. Rehman S, Iqbal Z, Qureshi R,Rahman IU, **Sakhi S**, Khan I, Hashem A, Al-Arjani A-BF, Almutairi KF, Abd\_Allah EF, Ali N, Khan MA and Ijaz F (2022) Ethnoveterinary Practices of Medicinal Plants Among Tribes of Tribal District of North Waziristan, Khyber Pakhtunkhwa, Pakistan. *Frontiers of Veterinary Sciences*,9:815294. doi:10.3389/fvets.2022.815294 (y)
21. Hussam Alrabaiaha<sup>a</sup>,Qaisar Badshah<sup>b</sup>, Ghaus ur Rahman<sup>b</sup>, Dumitru Baleanu<sup>c,d,e</sup>, **Shazia Sakhi<sup>f</sup>** ,(2023),Threshold Dynamics & Bifurcation Analysis of the Epidemic Model of MERS-CoV, *World Scientific Journal*, 21:55. (W)
22. Aymen Saeed ,Umair Ur Rahman ,**Shazia Sakhi** ,Saeeda Khanum ,Ali Sher Abdul Rauf Shaikh ,Riffat Batool ,Riffat Nasim Fatima ,Natasha Kanwal ,Haleema Bibi ,Asghar Ali Khan, (2023), **Co-Heritability of Yield Related Traits in Soybean (Glycine Max L.) Across Planting Environments**, *Journal of Survey in Fisheries Sciences*, 10(2S) 3583-3597. (Y)
23. Zubair Iqbal<sup>1</sup>, Shamaila Irum<sup>2\*</sup>, Nain tara<sup>3</sup>, Khalid Khan<sup>4</sup>, Tahira Batool<sup>5</sup>, Waqas Maqbool<sup>6</sup>, Tehmina Sidique<sup>7</sup>, **Shazia Sakhi<sup>8</sup>**, Faryal Ali<sup>9</sup> , Muhammad Siraj<sup>10</sup>, Gulnaz Parveen<sup>11\*</sup>, (2023), Assessment Of

Guppy Fish *Poecilia Reticulata* And *Poecilia Sphenops* As Biological Control Agent Of Mosquito Larvae Under Aquarium Conditions, *Journal of Pharmaceutical Negative Results* , DOI: 10.47750/pnr.2023.14.04.38 (x)

24. Gulnaz Parveen1\*, Saba Iqbal1, Iqra Anwar1, Nain Tarra2, Ashfaq Ahmad Khaskheli3 **Shazia Sakhi4**, Amtul Sami5, Javed Hussain Umrani6, Shahid Hussain7, Mahreen Khalid8, Shahjahan Bukhari9, Saira Khalid10, (2023), **Talcs And Beneficial Bacteria Teaming Up To Shield Sunflowers From Root Rot** *Journal of Pharmaceutical Negative Results* | Volume 14 | Issue 04 | (x)

25. Muhammad Jiyad Khan1, **Shazia Sakhi2**, Naila Azam3, Zakia Ahmad2, Bashir Ahmad1, Fida Hussain1\*\*, Muhammad Shuaib2\*, Shahid Khan5, Naila Hadayat6, Firasat Hussain7, Aqsa Qaddus Tahir8, Baber Ali9, Abdel-Rhman Z. Gaafar10 (2023) Effect of Chitosan and Gibberellic Acid on Fruit Yield and Production of Peach (*Prunus persica* L.), *Pol. J. Environ. Stud. Vol. 33, No. 1 (2024), 1-6* DOI: 10.15244/pjoes/171982 (x)

26. Hessah Alqahtani1, Qaisar Badshah2, **Shazia Sakhi3**, Ghaus ur Rahman4 and J F Gómez-Aguilar5,\* (2023), Qualitative aspects and sensitivity analysis of MERS-Corona epidemic model with and without noise , *Physica Scripta*. <https://doi.org/10.1088/1402-4896/ad0bb6> (W)

27. Jan Baz Khan1\*, Salma Gul2, Shazia Sakhi3, Shamaila Irum4, Amtul Sami5, Faryal Ali6, Hikmat Ullah Jan7, Sumaira Salahuddin Lodhi8, Rahmat Ali9, Muhammad Fiaz1, Nosheen Khalid10, Mahreen Khalid11, Gulnaz Parveen12\* (2023), ANTIDIABETIC AND ANTIOXIDANT POTENTIAL OF *COPRINUS COMATUS* IN ALLOXAN-INDUCED DIABETIC RATS MODELS, *Journal of Population Therapeutics & Clinical Pharmacology* DOI: 10.53555/jptcp.v30i19.3628 Vol.30 No.19 (2023): JPTCP (247-255) Page | 247 (y)

28.

<p>Research Grants and Contracts</p>	<p>Nil</p>
<p>Other Research or Creative – <u>Accomplishments</u></p>	<p><b>10<sup>th</sup> National Meeting of Plant Scientists, 1<sup>st</sup> International Conference of Plant Scientists</b> held from 21-24 April 2008 at Agriculture University Faisalabad, Pakistan.</p> <p><b>Department of learning innovation in Botany</b> held at Kohat University of Science &amp; Technology, Kohat, Pakistan, November 19-24, 2007.</p> <p>Workshop on writing self-assessment report organized by <b>Quality Enhancement cell Higher Education Commission</b> at Kohat University of Science &amp; Technology, Kohat, Pakistan, 6-9, October 2009.</p> <p><b>3 days’ Workshop on writing on research skills and thesis writing</b> held at Kohat University of Science &amp; Technology, Kohat, Pakistan, May 2010.</p> <p>Oral presentation in International Conference “<b>Crop Management in Changing Climate</b>” held from 11-13 Feb, 2013 at University of Agriculture Faisalabad, Pakistan.</p> <p>Participation in the Art Competition and Seminar on the Eve of International <b>Womens Day March 8,2021, organize by ORIC University of Swat.</b></p> <p><b>Fourth International Conference On Biosciences (ICBS-2021) Organized by biological society of Pakistan (BSP) in collaboration with Department of Plant Sciences, Quaid-i-Azam University Islamabad on 15<sup>th</sup> June,2021.</b></p> <p><b>AASSA-PAS Webinar series 2021 Pandemic Preparedness: Science and Countermeasures webinar III/HYBRID WORKSHOP held on May 25,2021.</b></p> <p><b>5<sup>th</sup> international conference Advances in Biosciences:Bridging the Gap Between Research and Sustainable Development Goals held on May 24-26,2022</b></p> <p><b>Higher Education System Strengthening Activity on “Capacity Building Workshop on Womens Leadership in higher education Commission” held on June 13-15,2022.</b></p> <p><b>Higher Education System Strengthen Activity “US Exchange Visit on Womens Leadership in Higher Education “ held on July 16-29,2022.</b></p> <p><b>International Food and Nutrition Conference, organize by Gomal University Dera Ismail Khan held on 18-20 August.</b></p>
<p>Selected Professional – <u>Presentations</u></p>	<ul style="list-style-type: none"> <li>● Certificate of International Conference “<b>Crop Management in Changing Climate</b>” held from 11-13 Feb, 2013 at University of Agriculture Faisalabad, Pakistan.</li> <li>● Work as a Reviewer for Pakistan Science Bulletin Journal.</li> </ul>