# *Sana Jabeen PhD*

Tenured Associate Professor
(HEC Approved Supervisor)
Department of Botany
Division of Science and Technology
University of Education, Township
Lahore, PAKISTAN.

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**Postal Address:** Department of Botany, Division of Science and Technology, University of Education, Township, Lahore, Pakistan.

## Present Position

Associate Professor Tenured (Scale-20), Division of Science and Technology, University of Education, Township, Lahore, Pakistan (15 March 2023 to date)

## Past Positions

- Assistant Professor TTS (Scale-19), Division of Science and Technology, University of Education, Township, Lahore, Pakistan (12 September 2017 to 15 March 2023)
- Lecturer Botany (BS-18), University of Education, Faisalabad Campus, Faisalabad, Pakistan (December 2016 to 11 September 2017)
- Curator (BS-17), Government College University, Lahore, Pakistan (June to November (2016)

## Academic Qualification

**PhD Botany** (Specialization in Mycology) (2016): University of the Punjab, Lahore (Partial research work carried out at Harvard University, USA)
**Title of thesis**: **Ectomycorrhizal fungal communities associated with Himalayan cedar from Pakistan.**
http://prr.hec.gov.pk/jspui/bitstream/123456789/2902/1/PhD.%20Thesis%20Sana%20Jabeen.pdf
**M.S. Botany** (2011): University of the Punjab, Lahore: Division: 1st
Title of thesis: "Ectomycorrhizal diversity of *Salix* and *Populus* spp. growing in two different ecological zones"
**B.S. Botany** (2008): University of the Punjab, Lahore: Division: 1st
**HSSC (2003)** F. G. Degree College for Women, Kharian Cantonment affiliated with Federal Board of Intermediate and Secondary Education (FBISE), Islamabad: Division: 1st
**SSC (2000)** Fatima Jinnah Science Girls High School, Lalamusa affiliated with Board of Intermediate and Secondary Education, (BISE), Gujranwala: Division: 1st

## International Research Work Experience

Molecular phylogeny and morphological comparisons of fungi and plants at Harvard University, Massachusetts, USA.

## Research Interests

Fungal systematics; Plant systematics; Mycorrhizae and their hosts; Fungal biology; Diversity and ecology.

## Language Proficiency

English: Excellent reading, writing and speaking
Urdu: Native/Excellent reading, writing and speaking
Punjabi: Native/Excellent reading, writing and speaking
Arabic: Good reading and writing, fair understanding
Pashtu: Fair understanding

## Teaching Courses at University of Education

### PhD

Macrofungal Systematics (BOTN7131)

### MS

Forest Mycology (BOTN5130)
Mycosymbiosis (BOTN5125)

### BS

Diversity of Plants (BOTN1111)
Mycology and Plant Pathology (BOTN3116)
Industrial Mycology (BOTN4131)
Plant Systematics, Anatomy and Development (BOTN1112)
Techniques in Microbiology (BOTN4127)
Bacteriology and Virology (BOTN3111)

## Courses Developed at Graduate Level (PhD Program)

- Macrofungal Systematics (BOTN7131)
- Molecular Aspects of Fungal Plant Pathology

## Administrative Duties/Committee Member

- Member Board of Studies (13 July 2021 to date)
- Committee Member Annual Stock Taking at Central Library (2021)
- Member University Comprehensive Examination Committee (MS Botany 2019-2021)
- Member Admission Committee (2017to date)
- Member Ethical Institutional Review Board (UE/R/2023/3779 dated 28 December 2023)
- Member Selection Committee for visiting faculty (UE/S&T/2023/1166 dated 20 December 2023)
- Member Board of Faculty (15 March 2023 to date)
- Member Departmental Tenure Review Committee (15 March 2023 to date)

## Field Work Experience

Collected fungal specimens from Abbotabad, Battagram, Chitral, Dir, Fairy Meadows (Gilgit-Baltistan), Faisalabad, Kalam, Kala Dhaka, Kaghan, Khanian, Khanspur and adjacent areas, Mansehra, Mianwali, Murree, Patriata, Quetta (Balochistan), Swat, Thandiani, Galiat, Botanical Garden, Punjab University, Harvard Yard, Cambridge, USA, Arnold Arboretum of Harvard University, Boston, USA, Hail, KSA. Visited different Museums, Herbaria, Libraries and Laboratories for study and research work.

## Countries Visited

Pakistan (All provinces)

USA
UAE
Qatar
Saudi Arabia
Singapore

## Awards/Scholarships

- Fully funded Invitation to Attend 2024 China-ASEAN Education Cooperation Week (2024)
- 1st position in Oral Presentation in the 3rd International Symposium on Advances in Molecular Biology of Plants and Health Sciences (2018)
- Maximum Research Publications Award 2017 University of Education, Township, Lahore
- Nominated as "Outstanding Researcher" at Innovative Youth Awards (IYA) 2017
- 2nd Position Photo Contest " The Beauty of Pakistan" organized by National Association of Education and Research (31 March 2016)
- Scholarship award under International Research Support Initiative Program (IRSIP), HEC, Pakistan (February to August 2015)
- Among winners of PSM logo competition held at Department of Microbiology and molecular genetics, University of the Punjab, Lahore (2015)
- Youth Innovation Award at the eve of 2nd Youth Innovation Workshop held at Institute of Chemical Engineering and Technology, University of the Punjab, Lahore (29–30 August 2013)
- HEC Indigenous Scholarship Holder (1 July2012 to 30 June2016)
- Laptop Award on Merit from Shehbaz Sharif Youth Initiative Program by Government of the Punjab, Pakistan (23 March 2011)
- DPCC Scholarship Holder (20 September 2011 to 1 July 2012)

## Volunteer Work

- Human Resource Manager (National Academy of Young Scientists, Pakistan) (January 2016 to January 2017)
- Project Coordinator NAYS Awards and Competitions (January 2012 to January 2017)
- Subject Editor (Plant Sciences) NAYS e-Magazine (January 2014 to January 2017)
- Member of NAYS Events Team (October 2011 to January 2017)

## Trainings/Courses

1. Office Automation (May to August 2000)
2. Biosafety Training at University of Lahore, Lahore, Pakistan (9 July 2011)
3. Web and Graphic Designing securing A Grade from Institute of Geology, University of the Punjab, Lahore (24 February to 22 April 2014)
4. “Bioinformatics: Ensemble Database mining and whole genome sequencing analysis” at COMSTECH, Islamabad (16–18 December 2014).
5. General Biosafety Training at Harvard University, USA (February 2015)
6. Software skills (task automation, version control, testing, and code review) training run jointly by Software Carpentry and Harvard University, USA (22 July 2015)
7. Next Generation Sequencing Data analysis at Centre of Excellence in Molecular Biology, University of the Punjab, Lahore, Pakistan (14–16 October 2015).
8. Advanced presentation skills for MS/PhD Scholars at Institute of Agricultural

Sciences, University of the Punjab, Lahore, Pakistan (19 May 2016).

9. ICGEB course on "Basic Biotechnology Techniques" organized by NAYS at Centre of Excellence in Molecular Biology, University of the Punjab, Lahore, Pakistan (7–9 March 2016).
10. Training of Trainers (ToT)-workshop organized by Pakistan Biological Safety Association (PBSA), Islamabad, and the Fogarty International Center (FIC)at the National Institutes of Health (NIH), USA held in Islamabad, Pakistan (26–30 March 2018).
11. Training on Biological Waste Management and Emergency Response Procedures at Centre of Excellence in Molecular Biology, University of the Punjab, Lahore, Pakistan (11–12 October 2018).
12. Let's Break the Chain of COVID-19 Infection online course offered by The Mohammed Bin Rashid University of Medicine and Health Sciences, Dubai, United Arab Emirates (29 March 2020).
13. Training on Incineration and Other Waste Treatment Methods at Centre of Excellence in Molecular Biology, University of the Punjab, Lahore, Pakistan (21–22 February 2019).
14. Class on DBS: How to Professionally Address a Hater in the Workplace by Sean Kaufman (26 February 2020).
15. Hands on Training for Growing Edible Gardens and Entrepreneurship at Department of Botany, Kinnaird College for Women, Lahore, Pakistan in collaboration with ORIC and Green Youth Movement Club (4 October 2022).

## Skills

**Laboratory Skills**

Expert in handling of apparatus, sterilization techniques, media preparation and culturing of microbes, plant tissue culture techniques, microscopy, staining techniques, DNA extraction, purification, amplification, sequence reaction and gel electrophoresis.

**Computer Skills**

MS office, Corel Draw, Adobe Photoshop, Power Inpage, BIOEDIT, MEGA, Beast, Cipres, FigTree, DNASTAR, Estimate S, SPSS, Prezi.

## Memberships

- American Society for Microbiology
- Pakistan Biological Safety Association

## Reviewer of Research Articles of the Journals

Mycotaxon
Mycosphere
MycoKeys
Phytotaxa
Scientific Reports
European Journal of Taxonomy
Advancements in Life Sciences
Sydowia
Lahore Garrison University Journal of Life Sciences Pakistan Journal of Botany
Nova Hedwigia
Acta Botanica Hungrica

Nordic Journal of Botany
New Zealand Journal of Botany
Microscopy and Research Techniques
Mycologia

## Lectures Delivered as Invited Speaker/Resource Person in Conferences / Seminar / Workshops

- Uncover the role of fungi in ecosystems in Myco-Fest 2024 held at GCU, Lahore (11 December 2024).
- DNA Fingerprinting of Fungi in 1st National Workshop on DNA fingerprinting: Principles and Techniques held at Islamia College, Peshawar (7–9 May 2018).
- Use of molecular tools for the identification of fungi in Pre-Conference Workshop at the eve of international conference on 'Conventional and Modern Approaches in Plant Sciences' held at Department of Botany, University of the Punjab, Lahore, Pakistan (27–29 November 2017).

## Session Co-Chair

- Islamia College Peshawar PBS Conference

## Conferences/Seminar/Symposia/Workshops-Participated

1. 12th National and 3rd International Conference of Botany (1–3 September 2012).
2. National UIP Seminar on Developing Local Food Additives/ Preservatives (November 22, 2012).
3. One day workshop on Quantitative Data Analysis using SPSS (12 January 2013).
4. Certificate of learning spoken English (17 February 2013).
5. 11th Biennial Conference on Molecular Biosciences-Challenges and Opportunities (25–28 November 2013) organized by Pakistan Society for Biotechnology and Molecular Biology held at University of the Punjab, Lahore.
6. 3rd Invention to Innovation Summit held at University of the Punjab, Lahore (19–20 March 2014).
7. 1st International Seminar on soil health reclamation approaches (11 June 2014).
8. International Conference on Stress Biology and Biotechnology: Challenges and Management held at Institute of Agricultural Sciences, University of the Punjab, Lahore (21–23 May 2014).
9. 4th International and 13th National conference of Botany (27–30 August 2014) held at Shaheed Benazir Bhutto University, Sheringal, Dir Upper, Khyber Pakhtunkhwa.
10. International Conference of Plant Sciences held at Department of Botany, GC University, Lahore (22–24 September 2014).
11. Awareness Seminar on food safety and hygiene held at Institute of agriculture sciences, University of the Punjab, Lahore (13 November 2014).
12. Fund Winning Opportunities Workshop held at the eve of 5th Invention to Innovation Summit held at University of the Punjab, Lahore, Pakistan (2–3 March 2016).
13. 5th Invention to Innovation Summit 2016 as "Project Exhibitor" held at University of the Punjab, Lahore, Pakistan (2–3 March 2016).
14. National workshop on carrier development held at Institute of Agricultural Sciences, University of the Punjab, Lahore, Pakistan (21 April 2016).
15. Fund Winning Opportunities Workshop held at the eve of 6th Invention to Innovation Summit held at University of the Punjab, Lahore, Pakistan (8–9 March 2017).
16. Technologies for Sustainable Agriculture Session at the eve of 6th Invention to Innovation Summit held at University of the Punjab, Lahore, Pakistan (8–9 March

2017)

17. 6th International and 15th National Conference on ‘Dynamic Trends in Plant Sciences: Fostering Environment held at Sardar Bahadur Khan Women's University, Quetta, Pakistan (9–11 May 2017).
18. 'Conference on Genomics' held at Hazara University, Mansehra, Pakistan (27–29 September 2017).
19. International conference on 'Conventional and Modern Approaches in Plant Sciences' held at Department of Botany, University of the Punjab, Lahore, Pakistan (27–29 November 2017).
20. International workshop on 'DNA Barcoding (Barcode of Life Data Systems)' held at Government College University, Lahore, Pakistan (20 December 2017).
21. 7th International and 16th National Conference of Botany on Plant Resources: Current Trends, Challenges and Solutions held at Islamia College, Peshawar and University of Peshawar, Peshawar, Pakistan (23–26 March 2018).
22. 3rd International Conference on Bio-Sciences, Government College University, Lahore, Pakistan (9–11 May 2018).
23. Awareness cum workshop on "Biological Waste Management" held at Centre of Excellence in Molecular Biology, University of the Punjab, Lahore, Pakistan (9-10 October 2018).
24. Two days Dialogue on "Promoting Social Harmony and Critical Consciousness" organized by Pak Institute for Peace Studies held at Best Western Hotel, Lahore, Pakistan (12–13 December 2018).
25. Web of Science Conference on International Scholarly Publishing from Pakistan: Framework for Fast-Paced Progress held at Centre of Excellence in Molecular Biology, University of the Punjab, Lahore, Pakistan (11 March 2019).
26. 8thInvention to Innovation Summit held at University of the Punjab, Lahore, Pakistan (2–3 April 2019).
27. Global Young Scientists Summit (GYSS) 2020 held at Nanyang Technical University, Singapore (14–17 January 2020).
28. Understanding Phylogenetic Analysis and its Interpretation held at Veterinary Academy University of Veterinary and Animal Sciences, Lahore, Pakistan (11–12 February 2020).
29. Online workshop on How to Kickoff Start up for Applied Research in Pakistan Organized by National Academy of Young Scientists, Pakistan (12 August 2020).
30. Online Certificate Course on Optimum use of analytical and preparative HPLCs organized by COMSTECH secretariat, Islamabad, Pakistan in collaboration with International Center for Chemical and Biological Sciences, University of Karachi, Karachi (11–12 March 2021).
31. Cloud based hands on workshop "Rational Computational Drug Design Approaches" co-organized by National University of Sciences and Technology, Pakistan and Schrödinger (15-16 June 2021).
32. China-Pakistan workshop on "Use of new Technology in Locust Control" jointly organized by PASTIC, Islamabad, Pakistan and Beijing Technology and Business University (BTBU), Beijing, China (20 August 2020).
33. Workshop on Make your Research Life Easier with Mendeley Tool organized by PASTIC, Islamabad, Pakistan (9 September 2020).
34. Online Certificate Course on Basic Plant Tissue Culture Techniques jointly organized by COMSTECH, ICCBS and PABIC, Karachi Chapter (16–17 February 2021).
35. "Hands on training workshop on Structural Bioinformatics Tools" organized by and held at Centre of Excellence in Molecular Biology, University of the Punjab, Lahore (23-25 February 2022).

36. Two days phycological workshop 2022 on "Algal Collection Techniques & their Economic Uses" organized by Phycology Research Laboratory, Institute of Botany, University of the Punjab, Quaid-e-Azam campus, Lahore, Pakistan.
37. 1st international conference on 'Recent Trends in Natural Sciences' organized by the Departments of Chemistry, Physics, Zoology & Botany, University of Education, Jauharabad Campus. (1-2 June 2022).
38. IPVS Satellite Symposium (Online) on "Human Papilomavirus and Cervical Cancer" jointly organized by Dr. Panjwani Center for Molecular Medicine and Drug Research (PCMD), International Center for Chemical and Biological Sciences (ICBS), University of Karachi, Karachi, Pakistan. (September 22-24, 2022)
39. Hands on Training workshop for Growing Edible Gardens and Entrepreneurship at Department of Botany, Kinnaird College for Women, Lahore, Pakistan in collaboration with ORIC and Green Youth Movement Club (4 October 2022).
40. International Cotton Conference held at CEMB, University of the Punjab, Lahore (7-8 October 2025).

## Conferences/Seminar/Symposia/Workshops-Organized

1. 2nd One Day Workshop on Young Researchers' Skill Development, held at University of the Punjab, Lahore (7 January2012).
2. 3rd One Day Workshop on Young Researchers' Skill Development, Agriculture University, Peshawar (10 March 2012).
3. Essay and Poster Competition on the eve of Scientists'' day (10 March 2012)
4. Hands on Training Workshop on Basic Bioinformatics Skills held at Government College University, Faisalabad (11 May 2012).
5. 5th One Day Workshop on Young Researchers' Skill development held at University of Agriculture, Faisalabad (15 December 2012).
6. Essay Competition on World Science Day for Peace and Development (10 November 2012).
7. NAYS Photo Contest 2013 held on Scientists' Day (10 March 2013)
8. Essay Competition (Science for Peace) on World Science Day for Peace and Development (10 November 2012)
9. DNA Day and NAYS Emerging Ideas Conference (25 April 2013).
10. Annual Dinner 2013, Hazrat Zainab Hall, University of the Punjab, Lahore
11. Chronic pain management workshop held at university of Health Sciences, Lahore (28 September 2013).
12. Mini workshop on Young Researchers' Skill Development Workshop held at Lahore College for Women University, Lahore, Pakistan (28 February 2013)
13. Essay Competition (Science and Society) on World Science Day for Peace and Development (10 November 2013).
14. ASM-NAYS National Science Communication Challenge held at Centre of Excellence in Molecular Biology (CEMB), University of the Punjab, Lahore, Pakistan (September 5, 2014).
15. NAYS Photo Contest 2015 (The Art of Science) on World Science Day at the eve of Dairy Science Park Workshop (16–18 November 2015) at University of Peshawar, Khyber Pakhtunkhwa, Pakistan.
16. Pakistan resolution day, Hazrat Zainab Hall, University of the Punjab, Lahore (23 March 2016).
17. Annual Dinner 2016, Hazrat Zainab Hall, University of the Punjab, Lahore (5 April 2016).
18. Annual Sports 2016, Hazrat Zainab Hall, University of the Punjab, Lahore (11–14 April 2016).

19. 6th International Conference on Education (Science Beyond Classroom), University of Education, Lahore, Pakistan (15–17 March 2018).
20. One day International Seminar on Science communication and social media at University of Education, Township, Lahore, Pakistan (26 April 2018).
21. 2nd National Symposium on Botanical Entrepreneurship and Business Development held at University of Education, Lahore, Pakistan (25 March 2019).
22. 2nd International Conference on Quality Assurance in Higher Education Organized by Pakistan Network of Quality Assurance in Higher Education (PNQAHE) at University of Education, Lahore, Pakistan (23–25 April 2019).
23. Webinar on "Major Causes of Poor Health in Pakistan (April 29, 2021).
24. One day International Webinar on Ecosystem Restoration and Inaugural Ceremony of Botanical Garden at Department of Botany, Division of Science & Technology University of Education, Lahore (5 June 2021).
25. 1st International Conference (Online) on Recent Advances in Plant Sciences (30-31 March 2022).
26. 2nd International Conference on Recent Advances in Plant Sciences (4-5 May 2023).
27. Organizer of the events to celebrate International Day of Girls (11 October 2024)
28. Chief organizer of International Symposium on Role of Biotechnology in Agricultural Practices held at University of Education Lahore (2 October 2025).
29. Pink Ribbon Youth Awareness Programme-2025 held at University of Education Lahore (10 October 2025).
30. 3rd International Conference on Recent Advances in Plant Sciences (12-13 November 2025).
31. Chief Organiser of International Seminar on "Drug Discovery from Medicinal Plants for Modern Healthcare held at University of Education Lahore (3 December 2025).

## List of Taxa Described New to Science:

1. *Inocybe kohistanensis* **Jabeen**, I. Ahmad & Khalid, *Turkish Journal of Botany*, *40*, 313 (2016)
2. *Morchella pakistanica* **Jabeen** & Khalid, *Sydowia*, *68*, 211 (2016)
3. *Amanita glarea* **Jabeen**, Kiran & Sadiqullah, *Phytotaxa*, *306*, 140 (2017)
4. *Melanoleuca direnesis* F. Nawaz, **Jabeen** & Khalid, *Phytotaxa*, *311*(2), 177 (2017)
5. *Russula brunneopurpurea* **Jabeen** & Khalid, *Mycosphere*, *8*(8), 1061 (2017)
6. *Russula ahmadii* **Jabeen,** Razaq, Niazi, I. Ahmad & Khalid, *Phytotaxa*, *321*(3), 246 (2017)
7. *Gyromitra khanspurensis* **Jabeen** & Khalid, *Sydowia*, 69, 236 (2017)
8. *Cortinarius longistipitatus* Saba, **Jabeen**, Khalid & Dima, *Phytotaxa*, *328*(3), 263 (2017)
9. *Leucoagaricus pakistaniensis* **Jabeen** & Khalid, *Mycologia*, *110*, 396 (2018)
10. *Inocybe pakistanensis* Z. Ullah, **Jabeen**, H. Ahmad & A. N. Khalid, *Phytotaxa*, *348*, 282 (2018)
11. *Boletus himalayensis* **Jabeen**, S. Sarwar & Khalid, *Turkish Journal of Botany*, *42*, 791 (2018)
12. *Amanita ahmadii* **Jabeen**, I. Ahmad, Kiran, J. Khan & Khalid, *MycoKeys*, 56, 91 (2019)
13. *Leucoagaricus brunneus* Z. Ullah, **Jabeen** & Khalid, *Mycotaxon*, *134*(4), 605 (2019)
14. *Gymnopilus dunensis* H. Bashir, **Jabeen** & Khalid, *Phytotaxa*, *428*, 52 (2020)
15. *Pseudosperma flavorimosum* **Jabeen** & Khalid, *Mycotaxon*, *135*(1),187 (2020)
16. *Coprinellus ovatus* Kamran & **Jabeen**, *Mycotaxon*, *135*(2), 326 (2020)
17. *Russula rubricolor* Jabeen, Naseer & Khalid, *Mycotaxon*, 135(4), 967 (2020)
18. *Pholiota malakandensis* Z. Ullah, **Jabeen**, H. Bashir & Khalid, *Nova Hedwigia*,

*113*(1–2), 232 (2021)
19. *Agaricus swaticus* H. Bashir, **Jabeen**, S. Ullah, Khalid & L.A. Parra, *Scientific Reports*, *11*(12905), 25 (2021)
20. *Pseudosperma albobrunneum* **Jabeen**, Zainab, H. Bashir & Khalid, *Mycotaxon*, *136*(2), 364 (2021)
21. *Geopora asiatica* **Jabeen**, Asghar, Niazi & Khalid, *Nova Hedwigia*, *114*(3–4), 394 (2022)
22. *Pseudosperma quercinum* Naseer & **Jabeen**, *Phytotaxa, 622*(4), 262 (2023)
23. *Lepiota brunneoaurantia* Azeem & **Jabeen**, *Phytotaxa, 636*(1), 67 (2024)
24. *Leucoagaricus rosuliformis* **Jabeen**, Naseer & Ijaz, *Phytotaxa, 652*(4), 275 (2024)
25. *Onnia pakistanica* Bashir, **Jabeen**, Naseer & Khalid, *Phytotaxa, 658*(3), 255 (2024)
26. *Volvariella griseoalba* Arshad, Ijaz & **Jabeen**, *Phytotaxa, 661*(1), 39 (2024)
27. *Leucoagaricus persicus* Ijaz & **Jabeen**, *Nordic Journal of Botany, 2024*(10, e04459), 7 (2024)
28. *Russula iqbalii* Naveed, Ijaz, S. Ullah & **Jabeen**, *Microscopy Research and Technique,* 10.1002/jemt.24761, 6 (2024)
29. *Volvariella alba* Ijaz, Bilal & **Jabeen**, *Phytotaxa, 691*(2), 156 (2025)
30. *Volvariella roseostriata* **Jabeen** & Ijaz, *Phytotaxa, 691*(2), 158 (2025)
31. *Pseudosperma umbonatum* **Jabeen**, Razzaq, Aqdas, Naseer & Khalid, *Phytotaxa, 701*(1), 30 (2025)
32. *Agaricus bruneosporus* Raza, Bilal & **Jabeen,** *Bangladesh Journal of Plant Taxonomy, 32*(1), 85 (2025)
33. *Hortiboletus swaticus* Z. Ullah, **Jabeen** & Khalid, *Nordic Journal of Botany* e04929, 5 (2025)
34. *Cortinarius swatensis* Ijaz & **Jabeen**, *Nordic Journal of Botany*, e04951, 4 (2025)
35. *Lepiota penguiniomis* Ijaz & **Jabeen**, *Sydowia*,77, 344 (2025)
36. *Candolleomyces mianwaliensis* Mehb. Khan & **Jabeen**, *Nordic Journal of Botany*, e04858, 3 (2025)
37. *Tricholomopsis habibii* Z. Ullah, **Jabeen** & Khalid, *New Zealand Journal of Botany,* 64:e70013, 2 (2026)
38. *Hymenopellis sphaeropedunculata* J. Khan, Ijaz & **Jabeen**, *New Zealand Journal of Botany*, 64:e70034, 3 (2026)
39. *Xanthagaricus atropurpureus*
40. *Laccaria swatica*
41. *Cortinarius squamibrunneus*

**Sequences Submitted to GenBank: 300+**

**Students Supervised/Under Supervision:**

**PhD**

**Under Supervision**
Palvisha Javeed, Memoona Azeem
Mehboobullah Khan, Tasneem Ashraf
**Under Co-supervision**
Farzana Nawaz
**Fall 2022–2025**
Hira Ijaz (Thesis Submitted, 2026)
**Completed**
Humaira Bashir (2022)

**MS (Total 39 Supervised)**

**Session Spring 2024**
Fizza Nadeen (Under supervision)
**2024–2026**
Huda Imtiaz, Amna Tabbasum, Muhammad Bilal Sharif, Benish, Fazeelat Bibi, Ujala Khadam
**2023–2025**
Ayesha Ashfaq, Ume Farwa, Muhammad Haris, Muhammad Naveed
**2022–2024**
Rubab, Wasiqa Arshad, Rabia Bibi, Aleena Javed, Muhammad Ahmad Raza
**2021–2023**
Mehboobullah Khan (Co-supervised), Memoona Azeem, Noor Ayesha Saleem, Amir Ali, Muhammad Karam Din
**2020–2022**
Nasreen Khan, Muhammad Awais, Javeria Ahmed, Amna Jamshed, Maryam Wasim (Co-supervised)
**2019–2021**
Shumaila Kousar (Co-supervised), Muhammad Kamran (Co-supervised), Samia Shafqat, Samia Khalid, Tayyaba Mubashir, Aliya Nasir, Hira Ijaz
**2018–2020**
Maham Mureed (Co-supervised), Maham Khalid, Anum Saeed, Aqsa Aslam, Bushra Waseem
**2017–2019**
Adeel Aslam, Aiemen Arshad

**BS (Total 16 Supervised)**

**2019–2023**
Muhammad Naveed
**2016–2020**
Muhammad Haris, Amina Ali, Mughees Hamid, Karam Din, Tuba, Amir Ali
**2015–2019**
Muhammad Kamran, Waqar Mohi Ud Din, Muhammad Waleed ur Rahman, Farhat Shahzadi, Arfa
**2014–2018**
Shahzeena Arshad, Shumaila Kousar, Bushra Waseem, Iram Irshad

## Thesis Evaluated:

**PhD**

- Tayyaba Khalil: DNA Barcoding
- Muhammad Nadeem: A Study on Systematic Diversity and Phylogeny of Some Lichens of Kaghan Valley, KPK, Pakistan (28 January 2026)
- Muhammad Usman: A Phenotypic and Multigene Phylogenetic Study on Lichens of Deosai National Park and Its Adjacent Areas, Pakistan (5 May 2025)
- Muhammad Shahid
- Nadia Fatima: 2025
- Annum Razzaq: 2024

MS/ M. Phil = 20
M.Sc. = 20
BS = 15

## Publications

**Journal Articles**

**Published**

***Represents corresponding author**

1. Deng, Y., Wang, K., Chen, M., Qiu, Y., Liu, W., **Jabeen, S.,** Liu, X., & Zhao, C. (2026). Addition of four new wood-inhabiting fungi of *Russulales* (*Agaricomycetes*, *Basidiomycota*) from southwestern China. *MycoKeys 133*: 1–40. https://doi.org/10.3897/ mycokeys.133.193737 (27 May 2026).
2. Ijaz, H., Ashraf, T., Naveed, M., Sanga, G., Ullah, S., & **Jabeen, S*.** (2026). *Cortinarius squamibrunneus* sp. nov. (*Basidiomycota; Agaricales*) in *C.* Section *Safranopedes* of Subgenus *Telamonia* from Swat District, Khyber Pakhtunkhwa, Pakistan. *New Zealand Journal of Botany*, 2026; 64:e70103 https://doi.org/10.1002/nzb2.70103 (14 May 2026)
3. Ijaz, H., & **Jabeen, S*.** (2026). *Laccaria swatica* sp. nov. *(Agaricales, Hydnangiaceae)* from Swat District, Khyber Pakhtunkhwa, Pakistan. *New Zealand Journal of Botany*, 2026; 64:e70089 https://doi.org/10.1002/nzb2.70089 (6 May 2026)
4. Javeed, P., Kiran, M., & Jabeen, S. (2026). Morphological and phylogenetic insights reveal *Xanthagaricus atropurpureus* sp. nov., a new agaric from Pakistan. *Phytotaxa*, *750* (1): 033–042. 31 March 2026
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6. Naseer, A., Jabeen, S., Brearley, F.Q., Faryad, A., Asghar, S., & Khalid, A. N. (2026). Three new smooth-spored species of *Inocybe* from Himalayan moist temperate forests of Pakistan. *Plant Biosystems*, 160: 94. https://doi.org/10.1007/s44473-026-00080-1 (20 February 2026)
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## Book Chapters

1. **Jabeen, S*.** (2024). *Ectomycorrhizal Inoculum: A Key Tool for Rehabilitation of Natural Forests*. IntechOpen. doi: 10.5772/intechopen.115046

## Conference Presentations

**Oral Presentations**

(*presenting author)

1. **Jabeen, S.*,** & Khalid. (2014). Ectomycorrhizal inoculation-A key tool for rehabilitation of Himalayas. Presented in 1st international symposium on "The Himalayas of Pakistan" held at Hazara University, Mansehra, Pakistan (27–30 November 2014).
2. **Jabeen, S.***, Fiaz, M., Saba, M. Ahmad, H., & Khalid, A. N. (2014).

Molecular phylogeny and morphological characterization of *Russula livescens* and its ectomycorrhizae from mixed coniferous forests of Pakistan. Presented in 4th International and 13th National conference of Botany, held at Shaheed Benazir Bhutto University, Sheringal, Dir Upper, Khyber Pakhtunkhwa Pakistan (27–30 August 2014).

3. Sarwar, S., **Jabeen, S.***, Khalid, A. N., & Dentinger B. T. M. (2014). Molecular phylogeny of boletes: *Boletus luridiformis* and *Xerocomellus rubellus* from different coniferous forests of Pakistan. Presented in 4th International and 13th National conference of Botany, held at Shaheed Benazir Bhutto University, Sheringal, Dir Upper, Khyber Pakhtunkhwa, Pakistan.
4. **Jabeen, S.*,** & Khalid, A. N. (2014). Phylogenetic characterization of *Inocybe*; an ectomycorrhizal genus from mixed coniferous forests of Pakistan. Presented in International Conference of Plant Sciences held at Department of Botany, GC University, Lahore (22–24 September 2014).
5. **Jabeen, S.*,** & Khalid, A. N. (2017). Species diversity of some boletes from cedar dominating forests of Khyber Pakhtunkhwa Province, Pakistan. Presented in 6th International and 15th National Conference on 'Dynamic Trends in Plant Sciences: Fostering Environment' held at Sardar Bahadur Khan Women's University, Quetta, Pakistan (9–11 May 2017).
6. Grebenc, T.*, Unuk, T., Sulzbacher, M., **Jabeen, S.**, Khalid, A. N., & Karadelev, M. (2017). Ectomycorrhizal hypogeous fungi at the upper timber line–recent findings and new species. Presented in 9th International Conference on Mycorrhiza held at Prague, Czech Republic (30 July to 4 August 2017).
7. **Jabeen, S.***, & Khalid, A. A. (2017). Molecular phylogeny based on ribosomal RNA gene and morphological characterization of species in *Amanita* from cedar dominating forests of Pakistan. Presented in 'Conference on Genomics' held at Hazara University, Mansehra, Pakistan (27–29 September 2017).
8. Ziaullah*, **Jabeen, S.**, Ahmad, H., & A. N. Khalid. (2017). Molecular phylogenetic analysis of *Lactarius pterosporus* from Swat, Pakistan. Presented in 'Conference on Genomics' held at Hazara University, Mansehra, Pakistan (27–29 September 2017).
9. **Jabeen, S.***, & A. N. Khalid. (2017). Conventional and modern approaches to characterize boletes (*Boletales*, *Basidiomycota*) from cedar dominating forests of Pakistan. Presented in international conference on 'Conventional and Modern Approaches in Plant Sciences' held at Department of Botany, University of the Punjab, Lahore, Pakistan (27–29 November 2017).
10. Ziaullah*, **Jabeen, S.,** Ahmad, H., & Khalid, A. N. (2017). Addition of a species in *Bovista* (Agaricales; Basidiomycetes) based on morphology and molecular phylogenetic analysis from Pakistan. Presented in international conference on 'Conventional and Modern Approaches in Plant Sciences' held at Department of Botany, University of the Punjab, Lahore, Pakistan (27–29 November 2017).
11. Ali*, A. **Jabeen, S.,** Kiran, M., & Khalid, A. N. (2017). New and Noteworthy *Pluteus* (*Pluteaceae*) from Fairy Meadows, Gilgit-Baltistan, Pakistan. Presented in international conference on 'Conventional and Modern Approaches in Plant Sciences' held at Department of Botany, University of the Punjab, Lahore, Pakistan (27–29 November 2017).
12. Bashir, H.*, **Jabeen, S.**, & Khalid, A. N. (2017). Addition of *Trametes versicolor* s. l. in *T. versicolor* complex. Presented in international conference on 'Conventional and Modern Approaches in Plant Sciences' held at Department of Botany, University of the Punjab, Lahore, Pakistan (27–29

November 2017).

13. **Jabeen, S.***, & Khalid, A. N. (2018). Molecular phylogeny and morphological characterization of some non-gilled mushrooms from coniferous forests of Pakistan. Presented in 6th International Conference on Education (Science Beyond Classroom), held at University of Education, Lahore, Pakistan (15–17 March 2018).
14. **Jabeen, S*.**, & Khalid, A. N. (2018). Morphological and molecular phylogenetic analysis of some ascomycetes from Pakistan. Presented in 7th International and 16th National Conference of Botany on Plant Resources: Current Trends, Challenges and Solutions held at Islamia College, Peshawar and University of Peshawar, Peshawar, Pakistan (23–26 March 2018).
15. Ullah, Z., **Jabeen, S.***, Faisal, M., Ahmad, H., & Khalid, A. N. (2018). Morphological and molecular phylogenetic analysis revealed *Hortiboletus siccus*, a new species in *Boletaceae* from Swat, KP, Pakistan. Presented in 7th International and 16th National Conference of Botany on Plant Resources: Current Trends, Challenges and Solutions held at Islamia College, Peshawar and University of Peshawar, Peshawar, Pakistan (23–26 March 2018).
16. Bashir, H.*, & **Jabeen, S.** (2018). *Gymnopilus lepidotus*, a new record from Asia. Presented in 7th International and 16th National Conference of Botany on Plant Resources: Current Trends, Challenges and Solutions held at Islamia College, Peshawar and University of Peshawar, Peshawar, Pakistan (23–26 March 2018).
17. **Jabeen, S.*,** & Khalid, A. N. (2018). Molecular phylogeny and morphological characterization of species in *Amanita* from coniferous forests of Pakistan. Presented in 3rd International Conference on Bio-Sciences, Government College University, Lahore, Pakistan (9–11 May 2018).
18. **Jabeen, S.*,** & Khalid, A. N. (2018). Morphological and molecular phylogenetic analysis of some sac fungi from Pakistan. Presented in 2nd International Conference of Plant Sciences (ICPS-2018), Government College University, Lahore, Pakistan (5–7 December 2018).
19. Kamran, M.*, & **Jabeen, S. (**2018). A new species of *Coprinellus* from Pakistan. Presented in 2nd International Conference of Plant Sciences (ICPS-2018), GC University, Lahore, Pakistan (5–7 December 2018).
20. Bashir, H.*, **Jabeen, S.,** & Khalid, A. N. (2018). Systematics of *Fomitopsis* sp. and concluding note. Presented in 2nd International Conference of Plant Sciences (ICPS-2018), GC University, Lahore, Pakistan (5–7 December 2018).
21. **Jabeen, S.*,** & Khalid, A. N. (2018). Systematic study of some non-gilled mushrooms from coniferous forests of Pakistan. Presented in 3rd International Symposium on Advances in Molecular Biology of Plants and Health Sciences held at Centre of Excellence in Molecular Biology, University of the Punjab, Lahore, Pakistan (19–21 December 2018) **(Best Oral Presenter Award).**
22. **Jabeen, S*.,** Arshad, A., Ali, A., Khan, J., & Khalid, A. N. (2022). Molecular phylogeny and morphological characterization *Inocybaceae* from coniferous forests of Pakistan. Presented in 1st International Conference (Online) on Recent Advances in Plant Sciences (RAPS-2022), University of Education, Lahore (30–31 March 2022).
23. Ijaz, H.*, Rahman, W. M., Ullah, S., & **Jabeen, S.** (2022). Molecular phylogeny and morphological characterization of *Leucoagaricus* spp. from Pakistan. Presented in '1st International Conference (Online) on Recent Advances in Plant Sciences' (RAPS-2022), University of Education, Lahore (30-31 March 2022).

24. **Jabeen, S.*,** & Khalid, A. N. (2022). Morphological and molecular phylogenetic analysis of some new ascomycetous macrofungi from Pakistan. Presented in 1st international conference on 'Recent Trends in Natural Sciences' organized by the Departments of Chemistry, Physics, Zoology & Botany, University of Education, Jauharabad Campus (1–2 June 2022).
25. Shafaqat, S.*, & **Jabeen, S.** (2023). Systematics of some basidiomycetous macrofungi from Behaa Valley, Swat District, Khyber Pakhtunkhwa, Pakistan. Presented in 2nd International Conference on Recent Advances in Plant Sciences (RAPS-2023), University of Education, Lahore (4–5 May 2023).
26. Shahzadi, F.*, & **Jabeen, S.** (2023). Characterization and Identification of Some Gasteroid Fungi of Pakistan. Presented in 2nd International Conference on Recent Advances in Plant Sciences (RAPS-2023), University of Education, Lahore (4–5 May 2023).
27. Din, K. M.*, & **Jabeen, S.** (2023). Systematics of gilled mushrooms from donga gali, Abbottabad district, Khyber Pakhtunkhwa, Pakistan. Presented in 2nd International Conference on Recent Advances in Plant Sciences (RAPS-2023), University of Education, Lahore (4–5 May 2023).
28. Ali, A.*, & **Jabeen, S.** (2023). Molecular phylogeny and morphological characterization of some mushrooms from Khanspur, Abbottabad district, Khyber Pakhtunkhwa, Pakistan. Presented in 2nd International Conference on Recent Advances in Plant Sciences (RAPS-2023), University of Education, Lahore (4–5 May 2023).
29. Ijaz, H.*, & **Jabeen, S.** (2023). New and noteworthy *Volvariella* spp. from Pakistan. Presented in 2nd International Conference on Recent Advances in Plant Sciences (RAPS-2023), University of Education, Lahore (4–5 May 2023).
30. **Jabeen, S*.,** & Khalid, A. N. (2025). New and noteworthy *Boletales* spp. from Himalayan forests of Pakistan. Presented in 3rd International Conference on Recent Advances in Plant Sciences (RAPS-2025), University of Education, Lahore (12-13 November 2023).

**Poster Presentations**

1. Ullah, Z.*, **Jabeen S.**, Faisal, M. Ahmad, H., & Khalid, A. N. (2018). Molecular phylogenetic analysis and morpho-anatomical characterization of *Leucoagaricus truncatus*, a new record from Pakistan. Presented in 6th International Conference on Education, University of Education, Lahore, Pakistan (15–17 March 2018).
2. Kousar, S., Hussain, S., & **Jabeen, S.** (2018). Molecular phylogeny and morphological characterization of two new *Russula* species from Khyber Pakhtunkhwa, Pakistan. Presented in 2nd International Conference of Plant Sciences (ICPS-2018), GC University, Lahore, Pakistan (5–7 December 2018).
3. **Jabeen, S**., Asghar, S*., Niazi, A. R., & Khalid, A. N. (2018). First record of *Geopora pinyonensis* from Asia. Presented in 2nd International Conference of Plant Sciences (ICPS-2018), GC University, Lahore, Pakistan (5–7 December 2018).
4. **Jabeen, S.,** Kousar, S., & Hussain, S. (2019). Molecular phylogeny and morphological characterization of two new *Russula* species from Khyber Pakhtunkhwa, Pakistan. Displayed in Global Young Scientists Summit GYSS 2019, Nanyang Technical University, Singapore (22 January 2019).
5. Azeem, M.*, Kiran., M., & **Jabeen, S.** (2023). Molecular phylogeny and morphological characterization revealed a new species in *Lepiota* from Margalla

Hills, Pakistan. Presented in 2nd International Conference on Recent Advances in Plant Sciences (RAPS-2023), University of Education, Lahore (4–5 May 2023).

6. Jamshed, A.*, & **Jabeen, S.** (2023). Characterization of Gilled Mushrooms from Kabal Tehsil, Swat District, Khyber Pakhtunkhwa, Pakistan Based on Morpho-Anatomical and nrDNA Data. Presented in 2nd International Conference on Recent Advances in Plant Sciences (RAPS-2023), University of Education, Lahore (4–5 May 2023).
7. Ijaz, H. *, Azeem, M., Bibi, F, Ashraf, T., Khan, M., Sharif, M. B., & **Jabeen, S**. (2025). A new record of the scarlet cup fungus, *Sarcoscypha javensis* from Pakistan. Presented in 3rd International Conference on Recent Advances in Plant Sciences (RAPS-2025), University of Education, Lahore (12-13 November 2023).
8. Khadam, U. *, Khan, M., Sharif, M. B., & **Jabeen, S**. (2025). exploring the taxonomic and ecological diversity of macrofungi from Punjab, Pakistan. Presented in 3rd International Conference on Recent Advances in Plant Sciences (RAPS-2025), University of Education, Lahore (12-13 November 2023).