

CURRICULUM VITAE

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Address: Department of Botany, Government College University Lahore, Katchery Road, 54000, Lahore, Pakistan

• RESEARCH INTERESTS

Mycology, Molecular taxonomy and systematics of different groups of fungi (macro fungi, pathogenic and filamentous fungi); Green-Mycosynthesis of nanoparticles, their characterization and biological efficiency.

• TEACHING POSITIONS

03/2017 – to date: Assistant Professor (Botany): Department of Botany, Government College University, Lahore, Pakistan

06/2016 – 2/2017: Lecturer (Botany): Department of Botany, Government College University, Lahore, Pakistan

10/2015 – 05/2016: Lecturer (Botany): Punjab Education Department, Government College for Women, Bhoun, Chakwal, Punjab, Pakistan

09/2014 – 06/2015: Lecturer (Botany): Centre for Undergraduate Studies, University of the Punjab, Lahore, Punjab, Pakistan.

09/2011 – 07/2013: Lecturer (Botany): Centre for Undergraduate Studies, University of the Punjab, Lahore, Punjab, Pakistan.

• RESEARCH POSITIONS & EXPERIENCE

06/2016 – date: Research supervisor of PhD, M.Phil., M.Sc., and B.Sc. (Hons.)

09/2010 – 02/2015: PhD. Research Scholar

Four years research on “Taxonomy, Diversity and Phylogeny of some Gasteroid Fungi from Pakistan” at Fungal Systematics and Biology Research Lab, Department of Botany, University of the Punjab, Lahore, Pakistan

11/2013 – 04/2014: Research Scholar

Pfister lab, Harvard University Herbaria, Department of Organismic and Evolutionary Biology, Harvard University, Cambridge, MA, USA.

5/2010 – 05/2011: Internee Field Researcher

Parks and Horticulture Authority Lahore, Government of the Punjab, Pakistan.

09/2005 – 08/2006: M.Sc. Research Scholar

One-year research on “Further Additions to Macromycetes of Pakistan” at Fungal Systematics and Biology Research Lab, Department of Botany, University of the Punjab, Lahore, Pakistan

• EDUCATION

- 09/2010 – 02/2015 PhD Botany
Faculty of Life Sciences, Department of Botany, University of the Punjab, Lahore, Punjab, Pakistan.
- 09/2008 – 08/2010 M.Phil. Botany
Faculty of Life Sciences, Department of Botany, University of the Punjab, Lahore, Punjab, Pakistan.
- 09/2004 – 06/2006 M.Sc. Botany
Faculty of Life Sciences, Department of Botany, University of the Punjab, Lahore, Punjab, Pakistan.

• FELLOWSHIPS AND AWARDS

- 11/2017 Best Oral Presenter Award in 1st International Conference on Conventional and Modern Approaches in Plant Sciences” held at University of the Punjab, Lahore, Punjab, Pakistan.
- 11/2013 – 04/2014 Awarded with research fellowship at Harvard University, Cambridge, MA, USA for six months, funded by Higher Education Commission, Pakistan
- 01/2011 – 12/2013 Awarded with a scholarship for PhD studies by Higher Education Commission, Pakistan under Indigenous 5000 Fellowship Program, Batch VI.
- 12/2008 Awarded with gold medal for standing first at University Level, in Masters of Botany (2004-2006) by University of the Punjab, Lahore, Punjab, Pakistan.

• SUPERVISION OF GRADUATE STUDENTS

- 6/2016 – 09/2024 **64 Research Theses** (26 M.Phil., 6 M.Sc., 32 B.Sc. Hons.) (Faculty of Chemistry and Life sciences, Department of Botany, Government College University, Lahore, Pakistan)

– RESEARCH THESIS SUPERVISED

– M.Phil. Theses

1. Aqeela Shahid (ongoing)
2. Lubna Shahzadi (ongoing)
3. Tayyaba Saeed (ongoing)
4. Khadija Abraha (ongoing)
5. Irza Shahzad (ongoing)
6. Umm-e-Farwa (ongoing)
7. Isra Riaz (ongoing)
8. Muzammal Munir
9. Nabeeha Javed
10. Green Synthesis of silver nanoparticles aided by non-gilled mushrooms, their characterization and antimicrobial activity (By Nimra Amin, 0112-MPHIL-BOT-22, SESSION 2022-2024)
11. Mycosynthesis, characterization and biological potential of silver nanoparticles from some wood rotting fungi (By Ayesha Ghafoor, 0359-MPHIL-BOT-22, SESSION 2022-2024)
12. Morphological and molecular characterization of some macro fungi of tehsil Mian Channu, Punjab, Pakistan (By Ukasha Iqbal, 0101-MPHIL-BOT-21, SESSION 2021-2023)
13. Taxonomic and phylogenetic studies of family Agaricaceae from central Punjab, Pakistan (Maryam Nawaz, 0124-MPHIL-BOT-21, SESSION 2021-2023)
14. Mushrooms assisted biogenesis of silver nanoparticles, their characterization and antimicrobial activity (By Shumaila Rasheed, 0126-MPHIL-BOT-21, SESSION 2021-2023)
15. Morphological and molecular characterization of macro fungi of district Kasur (By Saba

- Ibrahim, 0359-MPHIL-BOT-21(E), SESSION 2021-2023)
16. Morphological and molecular characterization of some macro fungi of tehsil Shakargarh (By Kinza Imtiaz. 0112-MPhil(M)-BOT-20; SESSION 2020-2022)
 17. Further additions to Basidiomycetes of district Lahore (By Alishba Chudhrey. 121-Mphil(M)-BOT-20; SESSION 2020-2022)
 18. Molecular and morphological identification of mushrooms from district Gujranwala (By Saliha Rukhsar. 0360-MPhil(E)-BOT-20: SESSION 2020-2022)
 19. Taxonomic study of some Basidiomycetes from Qila Didar Singh town of tehsil Gujranwala (By Samra Saeed. 0383-MPhil(E)-BOT-20: SESSION 2020-2022)
 20. Taxonomic characterization of macro fungi of tehsil Jampur, district Rajanpur, Pakistan (By Sadaqat Ali. 0384-MPhil(E)-BOT-20: SESSION 2020-2022)
 21. A taxonomic study of some gasteroid fungi of Parachinar, Kurram district, KP, Pakistan (H. Misbah Shafique, 362-MPHIL-BOT-2019; SESSION 2019-2021)
 22. A taxonomic study of some wood rotting fungi of central Punjab (Ayesha Munir, M.Phil., 365-MPHIL-BOT-2019, SESSION 2019-2021)
 23. Taxonomic Study of Macro Fungi from some Rural Areas of Khanewal, Punjab, Pakistan (By Muhammad Usman, M.Phil., SESSION 2018-2020)
 24. Morphological and Molecular Identification of Some Basidiomycetes of Sangla Hill, Punjab, Pakistan (By Ayesha Noor Awan, M.Phil., 2020)
 25. Morphological and Molecular Characterization of Gilled and Non-Gilled Mushrooms of Tehsil Kharian (By Marriam Dilawaiz Khan, M.Phil., 2020)
 26. Identification and characterization of some fungal plant pathogens in Lahore (By Khadija Ashraf, M.Phil., 2019)

B.Sc. (Hons.) Theses

1. Morphological Characterization of Gilled Fungi from Herchokey Village of tehsil Nowshera Virkan, Punjab, Pakistan (By Tayyaba Saeed, 0122-BH-BOT-20: SESSION 2020-2024)
2. Morphological identification of some gilled and non gilled mushrooms from Villages of Lahore, Pakistan (By Irza, 0139-BH-BOT-20: SESSION 2020-2024)
3. Taxonomic Diversity of Macrofungi of tehsil Muridke, Punjab, Pakistan (By Umme-E-Farwa, 0157-BH-BOT-20: SESSION 2020-2024)
4. Taxonomic Diversity and Characterization of mushrooms from Ghakkar Mandi, Punjab, Pakistan (By Aliza Iqbal, 0163-BH-BOT-20: SESSION 2020-2024)
5. Documentation and identification of wild mushrooms of tehsil Gujranwala, Pakistan (By Mishal Idrees, 0127-BH-BOT-20: SESSION 2020-2024)
6. Myco-Synthesis of Silver Nanoparticles and Assessment Of Their Antimicrobial and Antioxidant Potential (By Sadaf Saeedullah, 0152-BH-BOT-20: SESSION 2020-2024)
7. A taxonomic study of some mushrooms of tehsil Bhakkar (By Warda Samen, 0122-BH-BOT-19: SESSION 2019-2023)
8. A taxonomic study of some Basidiomycetes from tehsil Jhang (By Sarah Firdous, 0144-BH-BOT-19: SESSION 2019-2023)
9. A taxonomic study of macro fungi from tehsil Shakargarh (By Ansa Ahmad, 0134-BH(E)-BOT-19: SESSION 2019-2023)
10. Morphological characterization of gilled and non-gilled mushrooms from village Hau Khurd of tehsil Shakargarh (By Asra Riaz, 0141-BH(E)-BOT-19: SESSION 2019-2023)
11. A taxonomic study of some gilled and non-gilled mushrooms of Manawan, Lahore (By Fizza Ijaz, 139R-BH-BOT-17: SESSION 2018-2022)
12. A taxonomic study of some mushrooms of tehsil Samundri, district Faisalabad (by Rabia Akhtar. 0125-BH-BOT-18: SESSION 2018-2022)
13. Morphological characterization and identification of some mushrooms of District Kasur (By Marwa Waseem. 0128-BH-BOT-18: SESSION 2018-2022)
14. Taxonomic characterization of some Basidiomycetes collected along BRB link Canal, Lahore (by Khadija Malhi. 0009-BH-(E)-BOT-2018: SESSION 2018-2022)

15. Taxonomic study of some Basidiomycetes of tehsil Burewala (By Ayesha Ghafoor. 0031-BH-(E)-BOT-18: SESSION 2018-2022)
16. Isolation and identification of filamentous fungi from River Ravi, Lahore (By Shumaila Rasheed, 111-BH-BOT-17: SESSION 2017-2021)
17. Isolation and identification of fungi associated with spoilt fruits vended in markets of Chichawatni (by Fakiha Zahid, 121-BH-BOT-18; SESSION 2017-2021)
18. Taxonomic characterization of filamentous fungi isolated from rhizospheric soil of potato crops of tehsil Chichawatni (By Muzammal Abbas, 130-BH-BOT-18; SESSION 2017-2021)
19. Taxonomic study of some macro fungi from district Chakwal (By Kinza Imtiaz, B.Sc., 2020)
20. Taxonomic Study of some Mushrooms of Tehsil Noorpur Thal, District Khushab (By Alishba Chudhrey, B.Sc., 2020)
21. Isolation and characterization of fungi associated with fruits vended in local markets of Lahore (by Hira Malik, B.Sc., 2019)
22. Isolation and identification of filamentous fungi in some filtered water samples from Lahore (By Mobina Meesaq, B.Sc., 2019)
23. Isolation and identification of filamentous fungi from rhizosphere of rice fields of Hafizabad (By Shanzay Hanif, B.Sc., 2019)
24. Identification and characterization of filamentous fungi from different water samples from Lahore (By Sumbal Fatima, B.Sc. 2018)
25. Investigation of fungal diversity from rhizosphere of wheat and maize crops from Lahore (By Naila Younas, B.Sc., 2018)
26. A taxonomic study of some Agarics from Green Spot, Nathia Gali, KPK (By Tehreem, B.Sc., 2018).
27. A taxonomic study of some macro fungi from Green Spot, Nathia Gali, KPK (BY Mahneem Fazal, B.Sc., 2018).
28. Morphological and molecular identification of some puffballs and earthstars (Gasteroid fungi) from Dhirkot, district Bagh, Azad Kashmir (By Maham Fatima, B.Sc., 2018)
29. A comparison of rhizospheric fungal communities of *Cycas revoluta* from different localities of Lahore (By Iram Khan, B.Sc. 2017)
30. A taxonomic study of some Basidiomycetes of gardens of GCU Lahore (By Zeeshan Ashraf, B.Sc., 2017)
31. Taxonomic study of macromycetes of tehsil Zafarwal, district Narowal (By Saba Hanif, B.Sc., 2017)
32. Taxonomic Study of some Basidiomycetes from district Hafizabad (By Adnan Arshad, B.Sc. 2017)

M.Sc. Theses

1. Taxonomic studies of some *Lycoperdon* species from Himalayan Moist Temperate Forest of Pakistan (By Ayesha Minahil. 1907-MSc-BOT-20: SESSION 2020-2022)
2. Morphological characterization and identification of macro fungi from Tehsil Isa Khel (By Maryam Imran. 1920-MSc-BOT-20: SESSION 2020-2022)
3. Identification and characterization of pathogenic and saprophytic fungi on Senescing plant leaves in Gujranwala (By Maryam Nawaz. 1930-MSc-BOT-19: SESSION 2019-2021)
4. Identification and characterization of pathogenic and saprophytic fungi on senescing plant leaves in Chichawatni Plantation Reserved Forest (By Sidra Rauf. 1936-MSc-BOT-19: SESSION 2019-2021).
5. Taxonomic study of some Basidiomycetes from district Gujranwala (By Saliha Rukhsaar, M.Sc., 2018-2020)
6. Morphological and morphological characterization of genus *Lycoperdon* (Gasteroid fungi) from Sudhan Gali, district Bagh, Azad Kashmir, Pakistan (By Sumbal Asif, M.Sc., 2018)

• SUBMITTED ARTICLES

1. Naseer A, **Yousaf N** & Khalid AN. 2026. New species of genus *Scleroderma* (Basidiomycota, Sclerodermataceae) from Pakistan. Phytotaxa, submitted.

2. Hussain I, **Yousaf N**, Fiaz M, Khalid AN. 2026. *Pisolithus albus*, newly reported from Pakistan. Mycotaxon, Submitted.
3. Nawaz M, **Yousaf N**, Waseem M, Iqbal U, Hanif M. 2026. First record of a bleeding tooth fungus (*Hydnellum peckii*) from Pakistan. Pure and Applied Biology. Accepted

PUBLICATIONS

● 2026

45. Rukhsar, S., **Yousaf, N.**, Sadaf et al. 2026. First molecular record of *Panaeolus subbalteatus* (Psathyrellaceae, Agaricales) from Pakistan. *Antonie van Leeuwenhoek* 119, 158. <https://doi.org/10.1007/s10482-026-02361-3>. (W Category, 9th July, 2026).
44. Saeed, S, **Yousaf, N**, Rukhsar, S, Ali, S, Nawaz, M, Fazal, M. (2026). Three New Records of *Agaricus* (*A. bisporus*, *A. glabriusculus*, *A. trisulphuratus*) from district Gujranwala, Pakistan. *LGU Journal of Life Sciences*. 10 (01): 17-36 (Y Category, July, 2026).
43. Iqbal, A., Ali, H., Sarwar, S., Krisai-Greilhuber, I., **Yousaf, N.**, Fiaz, M., ... & Majid, A. (2026). First Phylogenetic and Scanning Electron Microscopic (SEM) Analysis of *Lycoperdon Perlatum* (Lycoperdaceae, Agaricales) from Pakistan. *The Journal of Animal and Plant Sciences*, 36(4). (W Category)
42. Amanat, R., Hanif, M., Zain, A. U. M., Ashraf, Z., Bashir, S., **Yousaf, N.**, & Sarwar, S. (2026). *Inocybe sineofibulae* sp. nov. (Sect. Marginatae), a new clamp-less ectomycorrhizal species from Kumrat valley, KP, Pakistan. *Pakistan Journal of Botany*, 58, 10. (W Category)

● 2025

41. SaeedUllahS, **YousafN**, NawazM, AhmedF, Bint-e-Zahira S(2025). First occurrence of *Trametes elegans* from Punjab and an Overview of genus *Trametes* from Pakistan. *LGU Journal of Life Sciences*. 9(02):21-30
40. Younas N, **Yousaf N**, Ali S, Awan MUF. (2025). Morphological description and a new record of genus *Cunninghamella* (Mucorales) from Pakistan. *Journal Plantarum*, 7(2): 69-74. (Y category) 15-12-2025.
39. Ullah SS, Arshad A, **Yousaf N**, Rasheed S, Amin N, Mulk S. 2025. Revolutionizing Sustainable Agriculture: Harnessing Macrofungi and Bacterial Systems for Eco-Friendly Silver Nanoparticle Synthesis and Enhanced Plant Growth. *Indus Journal of Bioscience Research*, <https://doi.org/10.70749/ijbr.v3i10.2317>. (Y Category) 10-10-2025
38. Usman M, Azam M, Song C, **Yousaf N**, Ahmad Z, Murtaza G, & Manzoor MA. (2025). Integrating biochemical pathways, transcriptional regulation, proteomics, and genetic approaches for enhancing salt stress tolerance in crops. *Tropical Plants* 4: e030 <https://doi.org/10.48130/tp-0025-0026> (31-09-2025)
37. Zain AM, Hanif M, **Yousaf N**, Sarwar S. 2025. A Mycological Survey of Roshay Dutt Forest, Kumrat Valley, KP. *Ravian Journal of Plant Sciences*, 02(01): 45-50 (06-2025)

● 2024

36. Ali S, **Yousaf N**, Usman M, Javed MA, Nawaz M, Ali B, ... & Ahmed AE. (2024). *Volvariella volvacea* (paddy straw mushroom): A mushroom with exceptional medicinal and nutritional properties. *Heliyon*, 10(21). e39747 (11-2024)
35. Saeedullah S, Nawaz M, **Yousaf N**, Rukhsar S, & Hanif M. (2024). *Ganoderma tsugae* (Polyporales; Ganodermataceae), a new record from Pakistan. *Journal Plantarum*, 6(2), 130-146. (10-12-2024) (HEC Recognized).
34. Saeedullah S, Nawaz M, **Yousaf N**, Rukhsar S, Malhi K, & Hanif M. (2024). *Ganoderma curtisii*, Firstly Reported from Districts Lahore and Gujranwala of Punjab Province, Pakistan. *LGU Journal of Life Sciences*, 8(3), 360-378. (10-09-2024) (HEC-HJRS: Y Category)
33. Iqbal U, **Yousaf N**, Chudhrey A, Rasheed S, Hanif M, & Sarwar S. (2024). First Report of an edible mushroom, *Termitomyces umkowaan* from Punjab, Pakistan. *LGU Journal of Life Sciences*, 8(2), 172-184. (14-06-2024) (HEC-HJRS: Y Category) (<https://lgujls.lgu.edu.pk/index.php/igujls/article/view/332>).
32. Zahira SB, Khalid AN, **Yousaf N**, Iqbal M, Anwar T, Qureshi H, Salmen SH, Ansari MJ. (2024). Exploring *Trichoderma* Species in Industrial Wastewater: Morphological and Molecular Insights

from Isolates. Life 2024, 14, 750. doi: 10.3390/life14060750. 12-06-2024 (W category)

● **2023**

31. Hanif M, Farooq S, Nazir S, Fatima S, **Yousaf N** and Sarwar S. 2023. Incidence of *Alternaria alternata* (Fr.) Keissl. on phylloplane of some shrubs and trees of Mall Road, Lahore, Ravian Journal of Plant Sciences, 01(01): 50-64. 6-2023.
30. Rasheed S, Fatima S, **Yousaf N**. 2023. First report of occurrence of human pathogenic fungus, *Blastomyces* (Onygenales; Ajellomycetaceae) In Ravi River, Lahore. Journal Plantarum, 5(2): 15-19. 27-12-2023 (Y Category)
29. Rukhsar S, Saeed S, Usman M, Waseem M & **Yousaf N**. 2023. First report of Milky cone cap (*Conocybe apala*) from Pakistan. Journal Plantarum, 5(2): 99-108. 27 December 2023 (Y Category)
28. Rasheed S, **Yousaf N**, Iqbal U, Zahid F & Abbas M. 2023. Ravi River, a potential reservoir for opportunistic pathogens of mucoromycosis. Pure and Applied Biology, 12(4): 1626-1638 (22 September, 2023). (Y Category)
27. Zahid F, **Yousaf N**, Abbas M, Rasheed S. 2023. First report of *Geotrichum candidum* causing post-harvest rot of Ber (*Ziziphus mauritiana*) & Guava (*Psidium guajava*) from Pakistan. Pure and Applied Biology, 2(4): 1568-1573 (December, 2023)
26. Fatima N, Sarwar S, Shahbaz M, Hanif M, **Yousaf N**, Abrar A. 2023. Characterization of mycoflora associated with the rhizosphere of rice crop from selected sites in district Gujranwala, Punjab, Pakistan. Plant Protection, 7(2): 245-254. 2nd August 2023. (Y Category)
25. Nawaz M & Yousaf N. 2023. New host record of *Trichothecium roseum* on *Yucca aloifolia* from Gujranwala, Pakistan. GU Journal of Phytosciences, 3(3): 179-187.
24. Abbas M, **Yousaf N**, Zahid F, Rasheed S. 2023. Two new records of *Aspergillus* (*A. penicilloides* & *A. uvarum*) from rhizospheric soil of potato crops of Chichawatni, Pakistan. GU Journal of Phytosciences, 3(3): 172-178.
23. Hasnain, A, Kakar MM, **Yousaf N**, Shaukat A, Tahir A, Mehmood Z, John A et al. 2023. Molecular study of pathogenic and saprophytic fungal species on infected parts of *Malus pumila* L. of district Qilla Abdullah, Balochistan, Pakistan." *Notulae Botanicae Horti Agrobotanici Cluj-Napoca* 51(2): 13167-13167.
22. Iqbal U, Usman M, **Yousaf N**, Awan AN, Rukhsar S, Saeed S, Khan MD, Ali S, Ibrahim S, & Ghafoor A. 2023. First Report and Distribution of a Common Edible Mushroom *Agaricus campestris* (Basidiomycota: Agaricaceae) across Different Districts of Punjab, Pakistan. GU Journal of Phytosciences, 3(2): 102-111. (5th April, 2023) (Y category)
21. Nawaz M, **Yousaf N**. 2023. First Report of Leaf Blight of *Jasminum sambac* Caused by *Bipolaris australiensis* in Pakistan. Plant Protection, 7(1): 17-24. (24th March 2023) (Y category)
20. Chudhrey A, Rukhsar S, Yousa N. First and Noteworthy Report of *Agaricus brunneodiscus* (Basidiomycota: Agaricaceae) from Pakistan. GU Journal of Phytosciences, 3(1): 38-46 (Y category)

● **2022**

19. Ashraf K, Nawaz M, **Yousaf N**, Afshan NS. 2022. First report of leaf spot of *Chlorophytum comosum* caused by *Thielavia terrestris* in Pakistan. Plant Protection, 6(3): 247-252. (24th October, 2022) (Y category)
18. Zahid F, **Yousaf N**, Abbas, M. 2022. First Report of *Devriesia pseudoamericana* from Pakistan. GU Journal of Phytosciences, 2(4): 250-255. (18th December 2022) (Y category)
17. Awan AN, Yousaf N, Nawaz S, Nazir A, Nijabat A, Leghari SK, Gulshan AB, Hussain F, Khan MA, Shafqat U, Ali Z. 2022. New Record of *Podaxis pistillaris* from Sangla Hill, Punjab, Pakistan. GU Journal of Phytosciences, 2(3): 192-197 (5th July 2022) (Y Category)
16. Hanif M, Arshad B, Sarwar S, **Yousaf N**. 2022. First report of ectomycorrhizal status of *Clavariadelphus pakistanicus* Hanif & Khalid based on morphotyping and molecular evidence. Bangladesh Journal of Plant Taxonomy, 29 (1): 129-136 (June 2022) (Y Category)
15. Awan AN, Yousaf N, Nawaz S, Nazir A, Nijabat A, Naseem Z, Leghari SK, Gulshan AB, Hussain F, Khan MA, Arif MA. 2022. First record of *Pisolithus tinctorious* from Sangla Hill, Nankana Sahib, Punjab, Pakistan. GU Journal of Phytosciences, 2(2): 97-102 (February 2022) (Y Category)

14. Usman M, Khan WR, **Yousaf N**, Akram S, Murtaza G, Kudus KA, Ditta A, Rosli Z, Rajpar MN, Nazre M. 2022. Exploring the Phytochemicals and Anti-Cancer Potential of the Members of Fabaceae Family: A Comprehensive Review. *Molecules*, 27, 3863. <https://doi.org/10.3390/molecules27123863> (16 June 2022) (W Category)
 13. Usman M, Awan AN, **Yousaf N**, Murtaza G, Hanif M, Khalid AN. 2022. First records of *Bolbitius coprophilus* (Agaricales, Bolbitiaceae) from Pakistan. *Check List*, 18(3): 525–533. <https://doi.org/10.15560/18.3.525> (25 May 2022) (Y Category)
 12. Hanif M, Khalid AN, Arshad B, Sarwar S, **Yousaf N**. 2022. Ectomycorrhizal status of *Pinus wallichiana* (Blue Pine) growing in Himalayan Moist Temperate forests of Pakistan. *Pakistan Journal of Botany*, 54(1): 275-283 (Jan-Feb 2022) (X Category)
- **2021**
11. Khalid N, Rizvi ZF, **Yousaf N**, Khan SM, Noman A, Aqeel M, Latif K, Rafique A. 2021. Rising Metals Concentration in the Environment: A response to effluents of Leather Industries in Sialkot. *Bulletin of Environmental Contamination and Toxicology*, 106, 493–500. <https://doi.org/10.1007/s00128-021-03111-z> (02-Feb 2021) (W Category)
 10. Yuan H, Lu X, Dai Y, Hyde KD, Kan Y, Lin C, Kušan I, Liu N, Sarma VV, He S, Zhao C, Cui B, **Yousaf N et al.** 2020. Fungal diversity notes 1277–1386: taxonomic and phylogenetic contributions to fungal taxa". *Fungal Diversity*, 104: 1–266. 31-Oct 2020. (W Category)
 9. Haelewaters N, Dima B [...], **Yousaf N**, Krisai-Greilhuber, I. 2020. Fungal Systematics and Evolution: FUSE 6. *Sydowia*, 72: 171-296. doi: 10.12905/0380. *Sydowia*72-2020-0271. (X Category)
 8. Razzaq H., **Yousaf N**. 2020. Three new records of Capnodiales from Pakistan. *Journal Plantarum*, 2(2): 1-5. (Dec 2020)
- **2016**
7. Hussain S, **Yousaf N**, Afshan NS, Niazi AR, Ahmad H, Khalid ANK. 2016. *Tulsotoma ahmadii* sp. nov. and *T. squamosum* from Pakistan. *Turkish Journal of Botany*, 40: 218-225.
- **2014**
6. **Yousaf N**, Fiaz M, Ahmad H, Khalid AN. 2014. Gasteroid Mycota of District Mansehra, Khyber Pakhtunkhwa, Pakistan. *International Journal of Agriculture & Biology*, 16(3): 571-577.
- **2013**
5. **Yousaf N**, Khalid AN, Niazi AR. 2013. Taxonomy of gasteroid fungi from some arid regions of Punjab, Pakistan. *Journal of Biodiversity and Environmental Sciences*, 3(9): 253-263.
 4. **Yousaf N**, Khalid AN, Niazi AR. 2013. *Myriostoma coliforme*, first record of a rare and endangered Basidiomycetes from Pakistan. *International Journal of Microbiology and Mycology*, 1(2): 1-6.
- **2012**
3. **Yousaf N**, Kreisel H, Khalid AN. 2012. *Bovista himalaica* sp. nov. (Gasteroid fungi; Basidiomycetes) from Pakistan. *Mycological Progress*, 12:569–574.
 2. **Yousaf N**, Khalid AN, Niazi AR. 2012. New records of *Scleroderma* (Sclerodermataceae, Agaricomycetes) from Pakistan. *Mycotaxon*, 122: 43-50.
 1. **Yousaf N**, Khalid AN, Niazi AR. 2012. New Records of Noteworthy Gasteroid fungi from Pakistan. *Mycotaxon*, 119: 261-267.

BOOK CHAPTERS PUBLISHED

1. Hanif, M., Ashraf, Z., Bashir, S., Riaz, F., Amanat, R., Yousaf, N., & Sarwar, S. (2023). Ectomycorrhizal Fungi as Biofertilizers in Forestry. In *Arbuscular Mycorrhizal Fungi in Agriculture-New Insights*. IntechOpen.

● TEACHING ACTIVITIES/ COURSES TAUGHT

- Plant Secondary Metabolites (PhD)
- Phytopathology (M.Phil.)

- Advanced Phycology (M.Phil.)
- Phycology and Bryology (B.Sc. Hons.)
- Ectomycorrhiza in Forestry (B.Sc. Hons.)
- Plant Pathology (B.Sc. Hons.)
- Plant Anatomy (B.Sc. Hons.)
- Diversity of Plants (B.Sc. Hons.)
- Diversity of Vascular Plants (B.Sc. Hons.)
- Plants Systematics (B.Sc. Hons.)
- Plant Physiology and Ecology (B.Sc. Hons.)
- Cell Biology & Genetics (B.Sc. Hons.)
- Lower Fungi (B.Sc. Hons.)
- Higher Fungi (B.Sc. Hons.)
- Biology (B.Sc. Hons.)

• **ORGANISATION OF SCIENTIFIC MEETINGS**

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| 10/2022 | Member Organizing Committee, 8 th International and 17 th National Conference on Advances in Plant Science (APS-2022) organized by Pakistan Botanical Society, in collaboration with Department of Botany, Government College University, Lahore, Pakistan & Institute of Botany, University of the Punjab Lahore, Pakistan |
| 12/2018 | Convener of Registration Committee, 2 nd International Conference on Plant Sciences (ICPS-2018) organized by Department of Botany, Government College University, Lahore, Pakistan |
| 04/2014 | Member of organizing committee of 11 th Harvard University Forum on Islamic Finance, Takaful and Alternative Cooperative Finance; Challenges and Opportunities organized by Harvard Law School, Harvard University, Cambridge, MA, USA. |

• **INSTITUTIONAL RESPONSIBILITIES**

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|-------------------|---|
| 07/2023 – 06/2024 | Departmental Controller of Examinations, Members of; University Ranking team; Departmental Focal Person for Placement Office, Departmental Focal Person for Prospectus Committee; Secretary Research Advisory Committee, Coordinator M.Phil. Morning (Department of Botany, Government College University, Lahore, Pakistan). |
| 07/2022 – 06/2023 | Departmental Controller of Examinations, Members of; University Ranking team; Departmental Focal Person for Placement Office, Departmental Focal Person for Prospectus Committee; Secretary Research Advisory Committee, Coordinator M.Phil. Morning (Department of Botany, Government College University, Lahore, Pakistan). |
| 07/2021 – 06/2022 | Departmental Controller of Examinations, Members of; University Assessment Team, QEC Committee Departmental Focal Person for Placement Office, Departmental Focal Person for Prospectus Committee (Department of Botany, Government College University, Lahore, Pakistan). |
| 07/2020 – 06/2021 | Convener Departmental Controller of Examinations Committee, Members of; Research Allocation Committee, QEC Committee Departmental Focal Person for Placement Office, Departmental Focal Person for Prospectus Committee (Department of Botany, Government College University, Lahore, Pakistan). |
| 07/2019 – 06/2020 | Convener Departmental Controller of Examinations Committee, |

	Members of; Research Allocation Committee, Departmental Focal Person for Placement Office, Departmental Focal Person for Prospectus Committee (Department of Botany, Government College University, Lahore, Pakistan)
07/2018 – 06/2019	Convener Departmental Controller of Examinations Committee, Members of; Research Allocation Committee, Student Affairs Committee at Department of Botany, Government College University, Lahore, Pakistan
07/2017 – 06/2018	Members of; Departmental Controller of Examinations, Students Attendance Committee, Students Affairs Committee, Research Allocation Committee, Museum Committee, Study tour Committee at Department of Botany, Government College University, Lahore, Pakistan
07/2016 – 06/2017	Members of; Departmental Controller of Examinations, Study tour Committee at Department of Botany, Government College University, Lahore, Pakistan
07/2015 – 06/2014	Vice Principal, Government College for Women, Bhoun, Chakwal, Punjab, Pakistan.

• **SEMINARS/ WEBINARS ATTENDED**

- “One Day Symposium on Potential of Nanotechnology for Impacting Industry and Society” organized by NIBGE, Faisalabad, Pakistan **(25-09-2024)**.
- International Webinar on “Nanoscience and technology for Water Remediation” organized by Dr. Sultan Ahmad Botanical Society, GCUL, Lahore, Pakistan **(31-05-2024)**.
- One day international webinar on “Post-Harvest Management and Storage of potato crop” organized by Horticulture Society, GCUL, Lahore, Pakistan **(28-03-2024)**.
- International Seminar on “Molecular Mysteries” organized by Zoological Society, GCUL, Lahore, Pakistan **(27-03-2024)**.
- A Webinar on “Shining a light on Down Syndrome: Understanding and Acceptance” organized by Biological Society, GCUL, Lahore, Pakistan **(23-03-2024)**.
- Webinar on “Real Meaning and Scope of research in Pakistan” organized by Center for Scientific Approaches & Social Passion Society **(10-03-2024)**.
- 7th international webinar entitled as “Strategies for successful tips and tricks for elevating your research papers” organized by IM Group of Researchers and Review Hub. Certificate No. 7thOW24-CN-1337 **(31-01-2024)**.
- One Day “Seminar on World Fisheries Day” organized by Department of Zoology, Government College University, Lahore, Pakistan **(28-11-2023)**.
- A Seminar on “Sustainable Agriculture through PQNK: An Innovative Approach to Natural Farming” organized by Department of Botany in collaboration with Biological Society, and Dr. Sultan Ahmad Botanical Society, Government College University, Lahore, Pakistan **(25-05-2023)**.
- International Webinar on the topic of “Green Fashion: Role of Applied Botany in Sustainable Fashion Industry” organized by Sultan Ahmad Botanical Society, Government College University, Lahore, Pakistan **(17-04-2023)**.
- International Webinar on “Building and Analysis of Molecular Phylogeny using Jalview” organized by Biological Society, Government College University, Lahore, Pakistan **(14-04-2023)**.
- International Webinar on the topic of “Biofertilizers in Agriculture” organized by Sultan Ahmad Botanical Society, Government College University, Lahore, Pakistan **(13-04-2023)**.
- International Webinar on the topic of “Recent Advances in Photosynthesis Research” organized by Dr. Sultan Ahmad Botanical Society, Government College University, Lahore, Pakistan **(10-04-2023)**.

- One day International Webinar on “Role of Women in Horticulture and its impact for their empowerment” organized by Horticulture Society, Government College University, Lahore, Pakistan **(04-04-2023)**.
- One day International Webinar on “Role of Youth in Global Biodiversity Conservation” organized by Horticulture Society, Government College University, Lahore, Pakistan **(21-05-2021)**.
- Webinar on “Rooftop Gardening” organized by Horticulture Society, Government College University, Lahore, Pakistan **(24-04-2021)**.
- Webinar on “Molecular Pathways of Cathepsin B in Aging and Alzheimer’s Disease” organized by Biological Society, Government College University, Lahore, Pakistan **(22-04-2021)**.
- Webinar on “Drug Awareness & Stress Management” organized by Biological Society, Government College University, Lahore, Pakistan **(12-12-2020)**.
- One day international seminar on “Advances in Plant Sciences” organized by Department of Botany, Government College University, Lahore, Pakistan **(03-03-2020)**.
- One day seminar on “Quranic Flora and Its identification” by Abid Nadeem organized by Biological Society, Government College University, Lahore, Pakistan **(24-02-2020)**.
- One day seminar on “A new model of metabolic syndrome, Diabetes, inflammation and cancer development: The Metabolic and Nutritional Axis” by Prof. Lone organized by Biological Society, Government College University, Lahore, Pakistan **(24-02-2020)**.
- One day international seminar on “Extraction methods for Commercialization of herbal products by Prof. Dr. Pharkphoom Panichayupakaranant” organized by Department of Botany, Government College University, Lahore, Pakistan **(29-01-2019)**.
- A Seminar on “Weed Science Research and management in 2050” by Dr. Uzair Chaudhry organized by Department of Botany, Government College University, Lahore, Pakistan **(31-10-2018)**.
- A seminar on “Doing Science Communication using social Media by Prof. Dawn Bazely” organized by Department of Botany, Government College University, Lahore, Pakistan **(27-04-2018)**.
- 1st International Seminar on “Soil Health Reclamation Approaches” organized by University of the Punjab, Lahore, Punjab, Pakistan **(11-06-2014)**.

CONFERENCE TALKS

- Oral presentation on “Molecular Phylogenetic Analysis of Genus *Calvatia* from Pakistan” in an international conference on Recent Approaches in Plant Sciences-2023 organized by Department of Botany, University of Education, Lahore, Pakistan from 04-05-2023 to 05-05-2023.
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- Oral presentation on “Taxonomy of Genus Phallales from Pakistan” in “1st International Conference on Sustainable Development Goals- Localizing the SDGs through academia” organized by Lahore College for Women University, Lahore, Pakistan from 29-03-2022 to 31-03-2022.

• CONFERENCES ATTENDED

- International Global Science Technology & Management Conference. GSTMC-2024, Harvesting Tomorrow: Emerging Trends in Agriculture Innovation organized by University of Layyah (UL) **(06-05-2024)**.
- 6th international conference on “Advances in Bio Sciences, ICABS-2024” organized by Biological Society of Pakistan **(18-04-2024 to 19-04-2024)**.
- 4th international conference on “Life and Chemical Sciences, 2023 (ICL & CS, 2023)” organized by IM Group of Researchers and Review Hub, Pakistan **(25-11-2023 to 26-11-2023)**

- 2nd International conference on Recent Approaches in Plant Sciences-2023 (RAPS-2023) organized by Department of Botany, Division of Science and Technology, University of Education, Lahore, Pakistan **(04-05-2023 to 05-05-2023)**
- Participated in "The Innovative Fest", organized by BIC in Collaboration with Biological and Life Sciences Societies **(08-12-2022)**
- Attended "International conference on Fisheries and Aquaculture" organized by Department of Zoology, Government College University, Lahore, Pakistan **(23-11-2022 to 24-11-2022)**
- International Conference on Interdisciplinary Research Innovations (iciri-2022) organized by UAF Community College PARS, Faisalabad, Pakistan **(26-10-2022 to 28-10-2022)**
- 8th International & 17th National Conference on "Advances in Plant Science in the era of climate change" organized by Department of Botany, Government College University Lahore and Institute of Botany, University of the Punjab, Lahore, Pakistan **(26-10-2022 to 28-10-2022)**
- 1st International Conference on Recent Approaches in Plant Sciences (RAPS-2022) organized by Department of Botany, University of Education Lahore, Pakistan **(30-03-2022 to 31-03-2022)**
- 1st International Conference on "Sustainable Development Goals- Localizing the SDGs through academia"" organized by Lahore College for Women University, Lahore, Pakistan **(29-03-2022 to 31-03-2022)**
- International Conference on "Smart plantation; An Ultimate solution to climate change ICPS-2020" organized by Lahore College for Women University, Lahore, Pakistan **(02-03-2020 to 04-03-2020)**.
- "Cancer-Bio Conference, 2020" organized by University of the Punjab, Lahore, Pakistan **(12-02-2020 to 15-02-2020)**.
- 2nd International Conference on "Water saving and Plant Production Strategies: Constraints and Implications for Sustainable Agriculture" organized by Government College University Faisalabad, Punjab, Pakistan **(26-03-2019 to 28-03-2019)**.
- Web of Science Conference on "International Scholarly Publishing from Pakistan: Framework for Fast-Paced Progress" organized by Centre of Excellence in Molecular Biology, University of the Punjab, Lahore **(11-03-2019)**.
- 2nd International Conference on Plant Sciences (ICPS-2018) organized by Government College University, Lahore, Pakistan **(5-12-2018 to 7-12-2018)**.
- One day International Conference on "Therapeutic Importance of Traditional Medicines" organized by Virtual University of Pakistan **(14-11-2018)**.
- 3rd International Conference on Biosciences organized by Biological Society of Pakistan and Eco-Science Foundation, Pakistan **(9-5-2018 to 11-5-2018)**.
- International Conference on "Hereditary Diseases; Molecular Diagnosis and Prevention Strategies" organized by Virtual University of Pakistan **(29-03-2018)**.
- "7th National and 16th International Conference of Botany" organized by Islamia College Peshawar and University of Peshawar, Khyber Pakhtunkhwa under Pakistan Botanical Society Platform **(23-03-2018 to 26-03-2018)**.
- 2nd International Conference on "Environment and Sustainable Development" organized by Sustainable Development Study Centre, Government College University Lahore, Punjab, Pakistan **(13-03-2018 to 15-03-2018)**.
- "4th Pakistan Botanic Gardens Conference" organized by Botanical Garden and Arboretum, Government College University Lahore, Punjab, Pakistan **(23-02-2018 to 23-02-2018)**.
- 2nd International conference on "Innovative Biological and Public Health Research (IBPHR-2017)" organized by Department of Zoology, Government College University Lahore, Punjab, Pakistan **(6-12-2017 to 7-12-2017)**.
- International Conference on "Conventional and Modern Approaches in Plant Sciences"

- organized by University of the Punjab, Lahore, Punjab, Pakistan **(27-11-2017 to 29-11-2017)**.
- 1st International Symposium on “The Himalayas of Pakistan, Resources and Conservation Issues” organized by Hazara University, Mansehra, Khyber Pakhtunkhwa, Pakistan **(27-11-2014 to 30-11-2014)**.
- 4th International and 13th National Conference of Botany” organized by Shaheed Benazir Bhutto University, Sheringal, Dir Upper, Khyber Pakhtunkhwa, Pakistan under Pakistan Botanical Society Platform **(27-08-2014 to 30-08-2014)**.
- 11th Harvard University Forum on Islamic finance “Takaful and Alternative Cooperative Finance, Challenges and Opportunities” organized by Harvard Law School, Harvard University, Cambridge, MA, USA **(25-04-2014 to 27-04-2014)**.
- “12th National and 3rd International Conference of Botany” organized by Quaid-e-Azam University Islamabad, Pakistan under Pakistan Botanical Society Platform **(01-09-2012 to 03-09-2012)**.
- “2nd International Conference of Plant Scientists & 11th National meeting of Plant Scientists” organized by Government College University, Lahore, Punjab, Pakistan under Pakistan Botanical Society Platform **(22-02-2011 to 24-02-2011)**.

TRAINING COURSES/ WORKSHOPS

- One Day International Hands-on Training on “Tree-Ring Analysis” organized by Dendrochronology Lab, organized by Department of Botany, GCUL, Lahore, Pakistan **(30-05-2024)**.
- One-Day hands-on Workshop Growing Spring Vegetables (Reg. No. 172/HS/23-24) organized by Horticulture Society, GCUL, Lahore **(03-05-2024)**.
- Nine-Days course on “Research Methodology” (online), organized by IM group of Researchers and Review Hub. (OC-RM-EN1718). **(22-04-2024 to 30-04-2024)**.
- “Two-Days workshop on “Investigation of Nano-structures for Green Revolution” organized by Department of Mycology and Plant Pathology, Faculty of Agricultural Sciences, University of the Punjab, Lahore, Pakistan **(25-10-2023 to 26-10-2023)**
- “One-Day workshop on Terarium design and maintenance” organized by Department of Botany, GCUL, Lahore, Pakistan **(26-09-2023)**
- “One-Day Training workshop on Herbarium Specimen Preparation” organized by Department of Botany, GCUL, Lahore, Pakistan **(25-09-2023)**
- “Two-Days Training workshop on Statistical Data Analysis” organized by Department of Zoology, GCUL, Lahore, Pakistan **(21-09-2023 to 22-09-2023)**
- “3-Days Bio-informatics workshop” organized by Dr. Sultan Ahmad Botanical Society, GCUL, Lahore, Pakistan **(25-07-2023 to 27-07-2023)**
- One day “Post Card Production using Life-Forms” organized by Dr. Sultan Ahmad Botanical Society, Lahore, Pakistan **(13-04-2023)**
- Two days “Phycological Workshop on Algal Collection Techniques & their Economic Uses” organized by Phycology Research Lab, Institute of Botany, University of the Punjab, Lahore, Pakistan **(18-05-2022 to 19-05-2022)**
- One day Faculty Development Workshop under #KnowyourSDGs Campaign: “Mainstreaming the SDGs within Teaching and Students’ Learning Experience” organized by Environment Protection Society, SDSC, Government College University Lahore and Green Box, **Pakistan (23-01-2020)**
- Six Days National Workshop on “Production and Purification of Recombinant Proteins” organized by School of Biological Sciences, University of the Punjab, Lahore, Pakistan **(11-11-2019 to 16-11-2019)**
- One Day Training Workshop on “Basic Bioinformatics Tools for Functional Genomics” organized by Department of Biological Sciences, University of Veterinary and Animal Sciences, Ravi Campus, Pattoki, Punjab, Pakistan **(05-07-2019)**.

- One Day Workshop on “Faculty Professional Development Programme” organized by Government College University, Lahore, Pakistan **(24-04-2019)**.
 - One day Training Workshop on “DNA Barcoding” organized Department of Botany & Zoology, Government College University, Lahore, Pakistan & University of Guelph, Canada **(20-12-2017)**.
 - A training workshop on “Basic tools in Bioinformatics” organized by Institute of Biotechnology, Government College University, Lahore, Pakistan **(29-11-2017)**.
 - A training workshop on “Outcome based Education in Higher Education Departments” organized by Higher Education Commission, Pakistan & Government College University, Lahore, Pakistan **(20-11-2017 to 22-11-2017)**.
- **Knowledge Exchange Events**
 - Participated in one day event of Global Undergraduate Exchange Program in Pakistan (Global UGRAD-Pakistan) titled as “ElevateYouth: Nurturing Tomorrow’s Leaders with Digital Proficiency” sponsored by the U.S. Department of State with funding provided by the U.S. Government and supported in its implementation by IREX **(26-11-2023)**.
 - Participated in one day knowledge exchange event titled as “Strengthening Pathways into Employment for Women at the workplace: Bridging Gaps for Women’s progression through health-related policies” organized by Government College University, Lahore, Pakistan in collaboration with University of Sunderland, UK. **(30-08-2023)**.
- **RESEARCH SKILLS**
 - Microscopic analysis, DNA extraction, PCR techniques, DNA sequencing, DNA sequence Analysis, Phylogenetic Analysis, Isolation and Culturing techniques of filamentous fungi.
- **KEY SCIENTIFIC TALKS AND PRESENTATIONS, CONFERENCE CONTRIBUTIONS**
 - Oral presentation on “**A new species and first report of genus *Arachnion* from Pakistan**” in “3rd International Conference on Biosciences” organized by Biological Society of Pakistan and Eco-Science Foundation, Pakistan from **09-05-2018 to 11-05-2018**.
 - Oral Presentation on “**Taxonomy and Phylogeny of Genus *Calvatia* from Pakistan**” in “2nd International conference on Environment and Sustainable Development” organized by SDSC, Government College University Lahore, Punjab, Pakistan from **13-03-2018 to 15-03-2018**.
 - Oral Presentation on “**Taxonomy and Phylogeny of Phallales from Pakistan**” in “International Conference on Conventional and Modern Approaches in Plant Sciences” organized by University of the Punjab, Lahore, Pakistan from **27-11-2017 to 29-11-2017**.
 - Oral Presentation on “**Gasteroid Fungal Resources of Western Himalaya-An Overview**” in “1st International Symposium on The Himalayas of Pakistan, Resources and Conservation Issues” held at Hazara University, Mansehra, Khyber Pakhtunkhwa, Pakistan from **27-11-2014 to 30-11-2014**.
 - Oral presentation on “**New Records of Scleroderma species (Gasteroid fungi) from Pakistan**” in “2nd International Conference of Plant Scientists & 11th National meeting of Plant Scientists” organized by Government College University, Lahore, Punjab, Pakistan under Pakistan Botanical Society Platform from **22-02-2011 to 24-02-2011**.
 - **TAXA DISCOVERED NEW TO SCIENCE**

Bovista himalaica Yousaf, Kreisel and Khalid

Lycoperdon lahorensense Yousaf & Khalid
Lycoperdon pseudocurtisii Yousaf & Khalid

MEMBERS OF EDITORIAL/ADVISORY BOARDS

Journal Name	Designation	Web Link	Duration
Acta Scientific	Member Editorial Board	https://actascientific.com/editorial-board.php	Oct, 2023 to date
Journal of Plant Sciences (Science Publishing Group)	Editor	https://sso.sciencepg.com/ https://sso.sciencepg.com/join/application-result	Applied in Nov, 2023 to date
Frontiers in Fungal Biology	Member Editorial Board		
Ravian Journal of Plant Sciences	Associate Editor	https://gcu.edu.pk/rjps.php?pg=editorial-boards	June 2023 to date

<https://actascientific.com/editorial-board.php>

• CERTIFICATE COURSES

Course Title	Course Code	Modules	Duration	Date of Completion	Offered by
Microbes – friend or foe?	SG071_1	M1: Disease-causing bacteria M2: Microbes in sewage treatment	10 hours	27-10-2023	The Open University, UK www.open.edu/openlearn