

## **RESEARCH PUBLICATIONS**

Published:	<b>138</b>
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h-index	<b>14</b>

### **Year-wise Publications list**

#### **2023**

- 138.** Riaz, S., Nadeem, M., Iqbal, M. S., Niazi, A. R., & Khalid, A. N. (2024). *Circinaria russus* sp. nov. (Lichenized Ascomycota: Megasporeaceae) from Pakistan. *Biology Bulletin*, 1-6.
- 137.** Khan, Z., Arshad, M. A., Niazi, A. R., & Khalid, A. N. (2023). A new species of *Parasola* section *Conopileae* (Psathyrellaceae) from Pakistan. *Turkish Journal of Botany*, 47(6), 606-619.
- 136.** Afshan, N. U. S., Fayyaz, I., Iftikhar, F., Habib, K., Iqbal, M. S., Wang, X. Y., Niazi, A. R., & Khalid, A. N. (2023). New species and new records of genus *Buellia* (lichenized Ascomycota, Caliciaceae) from Pakistan using electron microscopy and DNA barcoding techniques. *Microscopy Research and Technique*, 87(1):31-41
- 135.** Zafar, I., Afshan, N. U. S., Majeed, J., Niazi, A. R., & Khalid, A. N. (2023). *Erysiphe bistortae* sp. nov. on *Bistorta amplexicaulis* from Pakistan. *Mycotaxon*, 137(4), 883-891.
- 134.** Ghafoor, A., & Niazi, A. R. (2023). Culturability, Cultivation Potential, and Element Analysis of the Culinary-Medicinal Cauliflower Mushroom *Sparassis latifolia* (Agaricomycetes) from Pakistan. *International Journal of Medicinal Mushrooms*, 25(9).
- 133.** Khalil, H., Ayyub, M., Akram, A., & Niazi, A. R. (2023). A new species of *Leucoagaricus* (Agaricaceae, Basidiomycota) from Changa Manga Forest, Pakistan. *Phytotaxa*, 620(1), 87-93.
- 132.** Ayyub, M., Ali, M., & Niazi, A. R. (2023). Two New Records of *Xeromphalina* (Mycenaceae) from Pakistan Based on Morphological and Molecular Phylogenetic Analyses. *Biology Bulletin*, 1-6.
- 131.** Din, A. U., Iqbal, M. S., Niazi, A. R., & Khalid, A. N. (2023). Two New Records of Lichens from Pakistan. *Biology Bulletin*, 1-6.
- 130.** Niazi, A. R., Ghafoor, A., & Mushtaq, A. (2023). Systematic characterisation, and effect of nutritional and physical parameters on culturability, laccase production and dye decolorisation potential by *P. pistillaris* from Pakistan. *Natural Product Research*, 1-9.
- 129.** Asif, M., Firdous, Q., Izhar, A., Niazi, A. R., Sarwar, S., & Khalid, A. N. (2023). Molecular and morphological studies reveal a new species of *Panaeolus* (Agaricales, Basidiomycota) from Punjab, Pakistan. *European Journal of Taxonomy*, 888, 77-96.
- 128.** Haqnawaz, M., Niazi, A. R., & Khalid, A. N. (2023). A study on the genus *Candolleomyces* (Agaricales: Psathyrellaceae) from Punjab, Pakistan. *BMC microbiology*, 23(1), 181.
- 127.** Din, A. U., Iqbal, M. S., Niazi, A. R., & Khalid, A. N. (2023). Additions to the List of Megasporeaceae (Lichenized Ascomycetes) in Pakistan. *Biology Bulletin*, 1-4.
- 126.** Naseer, A., Ali, M., Rehman Niazi, A., & Khalid, A. N. (2023). *Leucoagaricus swaticus* from Himalayan temperate forests of Pakistan. *Nordic Journal of Botany*, e03983.

125. Habib, K., Chiva, S., Firdous, Q., Nadeem, S., Niazi, A. R., Barreno, E., & Khalid, A. N. (2023). A new species of Clavascidium (Verrucariales, Lichenized Ascomycota) from Pakistan and Spain, with remarks on the photosymbiont. *Plant Systematics and Evolution*, 309(3), 17.
124. Niazi, A. R., & Ghafoor, A. (2023). Domestication of a magic therapeutical wine glass fungus (*Podoscypha petalodes*) from Pakistan. *Heliyon*, e16146.
123. Fayyaz, I., Knudsen, K., Zulfiqar, R., Afshan, N. U. S., Iftikhar, F., **Niazi, A. R.**, & Khalid, A. N. (2023). Taxonomic and phylogenetic study of genus *Sarcogyne* (Acarosporales, Acarosporaceae) reveals two new species from Pakistan. *Mycol Progress* 22, 45.
122. Afshan, N. U. S., Fayyaz, I., Iftikhar, F., Habib, K., Jabeen, M., **Niazi, A. R.**, & Khalid, A. N. (2023). Contributions to the lichen biota of Pakistan supported by phenotypic and molecular phylogenetic analyses. *Nova Hedwigia*, 171-189.
121. Afshan, N. U. S., Afzal, S., Riaz, M., Saleem, A., **Niazi, A. R.**, & Khalid, A. N. (2023). Occurrence of *Erysiphe friesii* var. *dahurica* on purple buckthorn (*Rhamnus purpurea*) from Pakistan. *Canadian Journal of Plant Pathology*.
120. **Niazi, A.R.**, Shafique, M., Maqsood, F., Imran, M. 2022. Qualitative Phytochemical Screening and Exploration of some in vitro Biological activities of *Phytolacca latbenia* (MOQ.) H. WALTER from Pakistan. 53 (07): 1-9
119. Habib, K., Chiva, S., Firdous, Q., Nadeem, S., **Niazi, A. R.**, Barreno, E., & Khalid, A. N. (2023). A new species of Clavascidium (Verrucariales, Lichenized Ascomycota) from Pakistan and Spain, with remarks on the photosymbiont. *Plant Systematics and Evolution*, 309(3), 17.
118. Zia, U. U., **Niazi, A. R.**, Ahmad, Z., Alharby, H. F., Waraich, E. A., Abbasi, A., ... & Hina, S. (2023). Dose optimization of silicon for boosting arbuscular mycorrhizal fungi colonization and cadmium stress mitigation in maize (*Zea mays* L.). *Environmental Science and Pollution Research*, 1-16.
117. **Niazi, A. R.**, Naseer, A., Nadeem, M., Iftikhar, F., Fayyaz, I., Ashraf, A., ... & Khalid, A. N. (2023). A new species and a new record of the genus *Phaeophyscia* Moberg (Lecanorales, Physciaceae) from Pakistan supported by phenotypic and molecular phylogenetic analyses. *Cryptogamie, Mycologie*, 44(4), 51-59.
116. Din, A. U., **Niazi, A. R.**, Habib, K., & Khalid, A. N. (2022). *Sarcogyne balochistanensis* sp. nov.(Acarosporales, Acarosporaceae) from Pakistan. *Biology Bulletin*, 49(Suppl 3), S60-S65.
115. Fayyaz, I., Afshan, N. U. S., Iftikhar, F., **Niazi, A. R.**, & Khalid, A. N. (2023). *Diploschistes viridis* sp. nov.(Lichenized Ascomycota, Thelotremataceae) from Pakistan. *Biology Bulletin*, 49(Suppl 3), S77-S82.
114. Fayyaz, I., Iqbal, M. S., Afshan, N. U. S., **Niazi, A. R.**, & Khalid, A. N. (2023). Taxonomic and phylogenetic study of the genus *Diploschistes* (Ostropales, Thelotremataceae) reveals one new species from Pakistan. *Acta Botanica Brasilica*, 37, e20220125.
113. Ayyub, M., & **Niazi, A. R.** (2023). *Hypholoma himalayense*, a new and noteworthy species from the Himalayan moist temperate forests of Pakistan. *Phytotaxa*, 591(1), 46-54.
112. Izhar, A., Qasim, T., Asif, M., **Niazi, A. R.**, & Khalid, A. N. (2023). *Entoloma griseofibrillosus* (Entolomataceae, Basidiomycota), a new species from Punjab, Pakistan. *Phytotaxa*, 589(1), 1-14.
111. Izhar, A., Khan, Z., Asif, M., Bashir, H., Rani, A. K., **Niazi, A. R.**, & Khalid, A. N. (2023). *Clitopilus cretoalbus* sp. nov.(Entolomataceae, Agaricales), a new species from Pakistan. *European Journal of Taxonomy*, 861, 168-184.

- 110.** Ghafoor, A., & **Niazi, A. R.** Antioxidant potential and stability of oxidative sunflower oil by using the ethanolic extracts of four saprophytic edible cultivable mushrooms from Pakistan. *International Journal of Medicinal Mushrooms*.
- 109.** Haqnawaz, M., **Niazi, A. R.**, & Khalid, A. N. (2023). Two new species of *Xanthagaricus* from Punjab, Pakistan. *Phytotaxa*, 583(2), 163-173.
- 108.** Ayyub, M., **Niazi, A.R.** *Inosperma cervicolor* from the Himalayan range of Pakistan; First record from Asia on the basis of phenotypic and phylogenetic analysis. *AMA*. 53 (10).
- 107.** Bashir, H., Fatima, N., Izhar, A., **Niazi, A.R.**, Khalid, A.N., Callac. P. (2023). *Agaricus radiatosquamulosus* sp. nov. of A. subg. *Spissicaules* from Pakistan. *Phytotaxa* 579(4), 231-242.
- 106.** Haqnawaz, M., Khan, Z., **Niazi, A. R.**, & Khalid, A. N. (2023). *Volvariella variicystidiosa* sp. nov.(Agaricaceae, Basidiomycota) from Punjab, Pakistan. *Phytotaxa*, 578(2), 189-198.

### 2022

- 105.** Fayyaz, I., Afshan, N.S., Iftikhar, F., Niazi, A. R., & Khalid, A. N. (2022). A new species of the lichen genus *Buellia* (lichenized Ascomycota, Caliciaceae) from Pakistan. *Herzogia*, 35(2), 613-620. (IF:0.613).
- 104.** **Niazi, A. R.**, Shafique, M., Imran, M., & Latif, S. (2022). Estimation of some trace metals, bioactive compounds, curative antimicrobial and antioxidant agents from *Russula foetens* and *Russula* cf. *foetentoides*. *Pakistan Journal of Pharmaceutical Sciences*, 35(5), 1371-1377 (IF:0.863).
- 103.** Kondratyuk, S.Y., Persson, P.E., Hansson, M., Lökös, L., Kondratiuk, A.S., Fayyaz, I., Kouser, R., Afshan, N.S., **Niazi, A.R.**, Zulfiqar, R. and Khalid, A.N., (2022). Contributions to molecular phylogeny of lichens 4. New names in the Teloschistaceae. *Acta Botanica Hungarica*, 64(3-4), 313-336 (IF:0.0).
- 102.** Asif, M., Izhar, A., Haqnawaz, M., **Niazi, A. R.**, & Khalid, A. N. (2022). *Lepiota brunneogranulosa* (Agaricaceae): a new species from Punjab, Pakistan, based on integrated taxonomy. *Acta Botanica Brasilica*, 36.1-9 (IF:1.395).
- 101.** Ghafoor, A., & Niazi, A. R. , & Afshan, N. U. S., (2022). Domestication and element analysis of the giant edible *Macrocybe gigantea* from Pakistan. *Journal of Applied Botany and Food Quality*. 95, 167 – 173 (IF:1.483).
- 100.** **Niazi, A. R.**, Akram, A., & Ayyub, M (2022)“A new report of *Cystolepiota moelleri* from South east Asia on the basis of Morphoanatomical and DNA Barcoding”. *Agricultural mechanization in Asia, Africa and Latin America*. 53(7), 10159-10167 (IF:0.28).
- 99.** Razzaq, F., Saba, M., **Niazi, A. R.**, & Khalid, A. N. (2022). Two New Records of Genus *Lepiota* (Agaricaceae) from Pakistan. *Biology Bulletin*, 1-8 (IF:0.492).
- 98.** Iftikhar, F., Fayyaz, I., Afshan, N. U. S., **Niazi, A. R.**, & Khalid, A. N. (2022). Additions to the List of Teloschistaceae (Teloschistales, Ascomycota) in Pakistan. *Biology Bulletin*, 1-6 (IF:0.492).
- 97.** Izhar, A., Saman, M., Asif, M., **Niazi, A. R.**, & Khalid, A. N. (2022). Two new records of *Tricholoma* species from Pakistan based on morphological features and phylogenetic analysis. *Plant and Fungal Systematics*, 67(2), 25-33 (IF:0.2).
- 96.** Afshan, N. U. S., Fayyaz, I., Iftikhar, F., Habib, K., Razzaq, F., **Niazi, A. R.**, & Khalid, A. N. (2022). A taxonomic and phylogenetic study of some *Cladonia* species from Pakistan. *Nova Hedwigia*. 3-4 (2022), 535 – 548 (IF:1.254).
- 95.** **Niazi, A. R.**, Ghafoor, A., & Moreno, G. *Tulostoma loonbanglaense*: A new species from Azad Jammu and Kashmir using light and scanning electron microscopy

and DNA barcoding technique. *Microscopy Research and Technique*. 85 (12), 3720-3725 (IF:2.893).

**94. Niazi, A. R.,** Ghafoor, A., & Laraib, R. (2022). Domestication of a wild edible and nutritious mushroom *Lentinus tigrinus* from Pakistan. *Horticultura Brasileira*, 40, 288-294 (IF:0.985).

**93. Ghafoor, A., & Niazi, A. R.** (2022). Mycelial Growth, Basidiocarp Production and Mineral Analysis of the Edible *Lentinus squarrosulus* (Agaricomycetes) from the Subtropical Part of Pakistan. *International Journal of Medicinal Mushrooms*, 24(12), 77-86 (IF:1.70).

**92. Fayyaz, I., Afshan, N. U. S., Niazi, A. R.,** Khalid, A. N., & Ruprecht, U. (2022). A new species of Lecidella (Lecanorales, Ascomycota) from Azad Jammu and Kashmir, Pakistan. *Acta Botanica Brasiliica*, 36, 1-8 (IF:1.395).

**91. Fayyaz, I., Kouser, R., Afshan, N. U. S., Niazi, A. R.,** Zulfiqar, R., Khalid, A. N., & Kondratyuk, S. Y. (2022). Iqbalia kashmirensis gen. et sp. nov. from Pakistan (Teloschistaceae, lichenized ascomycetes) based on multigene phylogeny. *Mycological Progress*, 21(8), 1-15 (IF:2.538).

**90. Fayyaz, I., Iftikhar, F., Niazi, A. R.,** Habib, K., & Khalid, A. N. (2022). Some new lichen records from Pakistan. *Folia Cryptogamica Estonica*, 59, 11-15 (IF:0.2).

**89. Asif, M., Izhar, A., Niazi, A. R., & Khalid, A. N.** (2022). Candolleomyces asiaticus sp. nov. (Psathyrellaceae, Agaricales), a novel species from Punjab, Pakistan. *European Journal of Taxonomy*, 826(1), 176–187. (IF:1.398).

**88. Izhar, A., Usman, M., Bashir, H., Ashraf, S., Niazi, A. R.,** Latif, M., & Khalid, A. N. (2022). First record of Lactocollybia variicystis from Asia. *Mycotaxon*, 137(2), 335-344 (IF:0.545).

**87. Jabeen, S., Asghar, H. S., Niazi, A. R., & Khalid, A. N.** (2022). *Geopora asiatica* sp. nov. from Pakistan. *Nova Hedwigia*, 389-399 (IF:1.254).

**86. Niazi, A. R.,** Ghafoor, A., Ali, M., Ayyub, M., Garrido-Benavent, I., & Mahiques, R. (2022). Cortinarius himalayanus, a new species from Pakistan's part of Himalayan moist temperate forests. *Nova Hedwigia*, 473-486 (IF:1.254).

**85. Izhar, A., Asif, M., Niazi, A. R., & Khalid, A. N.** (2022). A new crinipelloid species (Marasmiaceae, Agaricales) from Pakistan. *Phytotaxa*, 538(3), 197-212 (IF:1.05).

**84. Riaz, M., Liaqat, N., Majeed, J., Jabeen, M., Niazi, A. R.,** Khalid, A. N., ... & Afzal, S. (2022). Erysiphe pakistanica (Erysiphaceae), a new species on Indian willows (Salix tetrasperma) from Pakistan. *Phytotaxa*, 545(1), 57-68. (IF:1.05).

**83. Haqnawaz, M., Niazi, A. R.,** Usman, M., & Khalid, A. N. (2022). Lepiota sindhudeltana sp. nov. (Agaricaceae; Basidiomycota) from Punjab, Pakistan. *Phytotaxa*, 550(3), 253-262 (IF:1.05).

**82. Izhar, A., Niazi, A. R.,** Asif, M., Nawaz, M. H., Bashir, H., & Khalid, A. N. (2022). Limacella subtropicana (Amanitaceae, Agaricales), a new species from Pakistan based on morphological and molecular phylogenetic evidences. *Turkish Journal of Botany*, 46(3), 271-281 (IF:1.429).

**81. Fayyaz, I., Niazi, A. R., & Khalid, A. N.** (2022). *Aspicilia nigromaculata* sp. nov. (Megasporeaceae, Pertusariales, Ascomycota) from Azad Jammu and Kashmir, Pakistan, evidence from morphology and DNA sequencing data. *Botanica Serbica*, 46(1), 105-111 (IF:0.574).

**80. Niazi, A. R., & Ghafoor, A.** (2022). Molecular phylogenetics and optimization of growth conditions of indigenous edible and therapeutically significant *Pleurotus floridanus* from Pakistan. *Pakistan Journal of Botany*, 54(5), 1919-1926. (IF:1.101).

79. Yaseen, A., **Niazi, A. R.**, Zulfiqar, A., Riaz, A., Riaz, M., & Fiza, I. (2022). Morphological and molecular characterization of *Golovinomyces ambrosiae* on sunflower (*Helianthus annuus*) in Pakistan, with its impact on plant metabolites and relative Mycorrhizal status. *Journal of Plant Diseases and Protection*, 1-8 (IF:1.847).
78. Nadeem, S., **Niazi, A. R.**, Habib, K., & Khalid, A. N. (2022). A new species of *Gyalolechia* (Teloschistaceae, lichen-forming Ascomycota) from Pakistan. *Nova Hedwigia*, 237-249. (IF:1.254).
76. **Niazi, A. R.**, Ghafoor, A., & Bashir, H. (2022). A checklist of *Agaricus* from Pakistan. *Mycotaxon*, 136(4), 877-877 (IF:0.545).
75. Fayyaz, I., Afshan, N. U. S., **Niazi, A. R.**, Khalid, A. N., & Orange, A. (2022). A new species of *Porpidia* (Lecideales, Ascomycota) from Pakistan. *Nova Hedwigia*, 221-235 (IF:1.254).

## 2021

74. **Niazi, A. R.**, Farooqi, A., & ul sehar Afshan, N. (2021). *Humaria Laevispora*, a New Cryptic Species of Pezizales (Pyronemataceae, Ascomycetes) based on Morphoanatomical and Phylogenetic Analysis From Pakistan. *Bangladesh Journal of Plant Taxonomy*, 28(2), 379-384 (IF: 0.662).
73. Afshan, N.S., Zafar, I., Yaseen, A., Riaz, M., **Niazi, A.R.** (2021). First Report of Powdery Mildew caused by *Podosphaera xanthii* on *Tarlmounia elliptica* in Pakistan, *AMA-Agricultural Mechanization in Asia, Africa and Latin America*. 52 (1), 1955-1959. (IF: 0.2).
72. Asif, M., **Niazi, A. R.**, Izhar, A., Khalid, A. N., & Bashir, H. (2021). *Leucoagaricus fragilis* sp. nov. (Agaricaceae) from Punjab, Pakistan. *Phytotaxa*, 501(1), 140-150 (IF: 1.05).
71. **Niazi, A. R.**, Asif, M., Izhar, A., & Khalid, A. N. (2021). A new species of *Lepiota* (Agaricaceae) from Punjab, Pakistan. *Phytotaxa*, 511(2), 163-174 (IF: 1.05)
- Bashir, H., Chen, J., Jabeen, S., Ullah, S., Khan, J., **Niazi, A. R.**, & Callac, P. (2021).
70. An overview of *Agaricus* section *Hondenses* and *Agaricus* section *Xanthodermatei* with description of eight new species from Pakistan. *Scientific Reports*, 11(1), 1-35 (IF.4.99).
69. **Niazi, A.R.**, Shafique, M., Imran, M., Khalid, A. N. (2021). Evaluation of mycochemical analysis and some *in-vitro* biological activities of *Russula aeruginea* and *Russula brevipes*. *International Journal of Medicinal Mushrooms* (IF.1.43)
68. **Niazi, A. R.**, & Ghafoor, A. (2021). Different ways to exploit mushrooms: A review. *All Life*, 14(1), 450-460. (IF.2.0)
67. **Niazi, A. R.**, & Ghafoor, A. (2021). Comparative study of the mycelial characteristics of *Pleurotus* species with the first time description of anamorphic stage of *Pleurotus cystidiosus* from Pakistan. *Agricultural mechanization in Asia, Africa and Latin America*. 51(1), 811-820. (IF.0.28)
66. **Niazi A.R.**, & Ghafoor, A. (2021). Mycochemical Screening, Mineral Analysis and Antioxidant Efficacy of Some Commercially Cultivated and Pharmaceutically Important *Pleurotus* Species. *Der Chemica Sinica* 12(4), 1-5
65. **Niazi, A.R.**, Naz, H., Shafique, M., Imran, M. 2021. Mycochemical screening and study of medicinal properties of two Pakistani *Amanita* species (agaricomycetes). *International Journal of Medicinal Mushrooms*. 23(5):33-39 (IF.1.43)
64. **Niazi, A.R.**, & Ijaz, H., (2021). *Sparassis crispa*, Its proximate Analysis and *In-vitro* Biological Activities. *International Journal of Medicinal Mushrooms*.23(2): 79-84 (IF.1.43)

## 2020

**63. Niazi, A.R.**, Shafique, M., Imran, M., Khalid, A. N. 2020. Phytochemical composition, Antioxidant and Antimicrobial potential of some Inedible Mushrooms. *Sylwan* , 54-73. (IF. 0.691).

**62.** Ali, M., Bashir, H., **Niazi, A. R.**, Khalid, A. N. 2020. *Infundibulicybe macrospora*. from moist temperate forests of Pakistan. *Phytotaxa*, 452(4), 268–277. <https://doi.org/10.11646/phytotaxa.452.4.2> (I F: 1.168)

**61.** Ishaq, A., Aime, M.C., Ayala, E.K., Ullah, S., Afshan, N.S., Fahad, M., Fiaz, M., **Niazi, A.R.** and Khalid, A.N., 2020. First report of Asian pistachio rust (*Pileolaria pistaciae*) in Pakistan. *Canadian Journal of Plant Pathology*, 42(2), pp.210-217.( IF: 1.119)

**60.** Haelewaters D., Dima B., Abdel-Hafiz B.I.I., Abdel-Wahab M.A., Abul-Ezz S.R., Acar I., Aguirre-Acosta E., Aime M.C., Al-demir S., Ali M., Ayala-Vásquez O., Bakhit M.S., Bashir H., Battistin E., Bendiksen E., Castro-Rivera R., Çolak Ö.F., De Kesel A., de la Fuente J.I., Dizkırıcı A., Hussain S., Jansen G.M., Kaygusuz O., Khalid A.N., Khan J., Kiyashko A.A., Larsson E., Martínez-González C.R., Morozova O.V., **Niazi A.R.**, Noordeloos M.E., Pham T.H.G., Popov E.S., Psurtseva N.V., Schouttetten N., Sher H., Türkekul I., Verbeken A., Ahmad H., Afshan N.S., Christe P., Fiaz M., Glaizot O., Liu J., Majeed J., Markotter W., Nagy A., Nawaz H., Papp V., Péter Á., Pfliegler W.P., Qasim T., Riaz M., Sándor A.D., Szentiványi T., Voglmayr H., Yousaf N. & Krisai-Greilhuber I. 2020: Fungal Systematics and Evolution 6. – *Sydowia* 72: 271–296. (IF: 0.800)

**59.** Riaz, M., Afshan, N. S., Ishaq, A., **Niazi, A.R.**, and Khalid, A. N. 2020. First Report of Powdery Mildew Caused by *Leveillula lappae* on *Tricholepis stewartii* in Pakistan, *Plant Disease* 104, Issue 2, pp 591. <https://doi.org/10.1094/PDIS-07-19-1387-PDN> (IF: 3.020)

### 2019

**58.** A. Naseer, S. Asghar, R. Khurshid **A. R. Niazi**, A. N. Khalid. 2019. The Genus *Otidea* (Pezizales, Pyronemataceae) from Pakistan, *Sylwan*, 163(10):145-155. (Impact Factor: 0.6)

**57.** A. Naseer, S. Ghani, **A. R. Niazi**, A. N. Khalid (2019). *Inocybe caroticolor* from oak forests of Pakistan, *Mycotaxon* 134, 241-251. (IF. 0.538).

### 2018

**56.** Ishaq, A., Saleem, S., Afshan, N. S., Khalid, A. N. & **Niazi, A.R.**, (2018). New reports of the plant pathogens *Aecidium viburni* and *Erysiphe viburni* on *Viburnum grandiflorum* from Pakistan, *Mycotaxon* 1: 7-091. (IF. 0.709).

**55.** Bashir, H., Hussain, S., Khalid, A. N., **Niazi, A. R. K.**, Parra, L. A., & Callac, P. (2018). First report of *Agaricus* sect. *Brunneopicti* from Pakistan with descriptions of two new species. *Phytotaxa*, 357 (3): 167-178. (IF. 1.24).

**54.** Rehman, S., Andleeb, S., **Niazi, A. R.**, & Ali, S. (2018). Estimation of trace elements and *in vitro* biological activities of lichens extract. *Pakistan Journal of Pharmaceutical Sciences* 31(4): 1407-1416(IF. 0.81)

### 2017

**53.** Ishaq, A., Afshan, N.S., **Niazi, A.R.** and Khalid, A.N. (2017). First report of the uredinial and telial states of *Puccinia heraclei* in Pakistan. *Journal of Plant Pathology*, 99(3). (IF. 1.103).

**52.** Jabeen S, Razaq A, **Niazi A. R.**, Ahmad I, Grenbenc T & Khalid A.N. (2017). *Russula ahmadii*, a new species in section *ingratae* and its ectomycorrhiza from coniferous forests of Pakistan. *Phytotaxa*.321(30) 241-25(IF. 1.240).

51. Naseer A., Khalid A. N., **Niazi, A. R.**, (2017). *Phylloporus brunneiceps* from Pakistan. *Mycotaxon* 132, 685-693. (IF. 0.703).

50. Afshan, N. S., Khanum, S., Fiaz, M., Khalid, A. N., **Niazi, A.R.** (2017). *Euoidium vernoniicola*, a new report for Pakistan. *Plant Pathology & Quarantine* 7 (1): 1–3.

49. Jabeen S, **Niazi A.R.**, Khalid AN. (2017). *Russulabruneo purpurea* sp.nov.and its ectomycorrhiza from Pakistan. *Mycosphere* 8(8): 1059-1069 (IF. 0.72)

48. Farooqi, A, Aqduus F, **Niazi A.R.**, Jabeen S., Khalid A.N. (2017). *Inocybe ahmadii* sp.nov.and a new record of *I.leptocystis* from Pakistan. *Mycotaxon*. 132 (2). 257-269. (IF. 0.709)

47. Ishaq, A., Afshan, N. S., **Niazi, A.R.**, Aime, M.C. & Khalid, A. N. (2017). First Report of Rust Caused by *Pucciniastrum guttatum* on *Galium* sp. from Pakistan, *Plant Disease*, 101 (1): 245. (IF 3.192)

46. Hussain, S., Afshan, N. S., Habib, A., Khalid, A.N. & **NIAZI, A.R.** (2017). *Parasola malakandensis* sp. nov. (Psathyrellaceae; Basidiomycota) from Malakand, Pakistan., *Mycoscience* 58(2): 69-76. (IF 1.418)

### 2016

45. Hussain, S., Yousaf, N., Afshan, N. S., **Niazi, A. R.**, Habib, A. & Khalid, A.N. (2016). *Tulostoma ahmadii* sp. nov.and *T. squamosum* from Pakistan. *Turkish Journal of Botany*, 39: 1502-1509. (IF 1.6)

44. Usman, M., Ishaq, A., AFSHAN, N.S., **NIAZI, A.R.**, KHALID, A. N. (2016). Diversity And distribution of rust fungi causing plant diseases in swat district, Khyber pakhtunkhwa (kp), Pakistan: *Science International (Lahore)*, 28(4), 3993-4000 (HEC Recognized, Y Category)

43. Usman, M., Sadiqullah, Afshan, N. S., Niazi, A.R., & Khalid, A.N. (2016). New host records for pathogenic fungi in Pakistan. *Science International* 28(3): 3063-3087 (HEC Recognized, Y Category)

42. Jabeen, S., **Niazi, A.R.**, Khalid, A.N. (2016). First record of *Russula anthracina* and its ectomycorrhiza associated with himalayan cedar from south asia. *Mycotaxon* 131–44(14) (IF. 0.709).

### 2015

41. **Niazi, A. R.**, Afshan, N. S. & Razzaq, A. (2015). Fungal diversity in World largest Man-made forest, Changa Manga, Pakistan. Published in proceeding of International Conference on Chemical, Agricultural and Biological sciences (cabs-2015) organized by Emirates association of Chemical, Biological and Environmental Engineers, held at Istanbul, Turkey, from 4<sup>th</sup>-5<sup>th</sup> September, 2015, Proceedings. PP. 174-179.

40. Afshan, N. S., Ishaq, A., **Niazi, A. R.** & Khalid, A.N. (2015). Geographical distribution and host range of genus *Uromyces* (Pucciniaceae, Uredinales) in Pakistan. Published in proceeding of International Conference on Chemical, Agricultural and Biological sciences (cabs-2015) organized by Emirates association of Chemical, Biological and Environmental Engineers, held at Istanbul, Turkey, from 4<sup>th</sup>-5<sup>th</sup> September, 2015, PP. 167-173.

39. Afshan, N. S., Khalid & **Niazi, A. R.** (2015). New reports of rust fungi (Uredinales) from Sharan (Kaghan Valley), Pakistan, *Plant Pathology & Quarantine* 5(2), 35–42, Doi 10.5943/ppq/5/2/6.

38. Qasim, T., Amir, T., Nawaz, R., **Niazi A.R.** & Khalid, A.N. (2015). *Leucoagaricus lahoresis*, a new species of L. Sect. Rubrotincti. *Mycotaxon*. 130: 533-541. (IF 0.705).

### 2014

37. Sarwar, S., Khalid, A. N., & **Niazi, A. R.** (2014). *Tylopilus*- a new species and a new record from Pakistan. Mycotaxon. 128: 1-10. (IF 0.643)

36. Jabeen S., Sarwar S., **Niazi, A.R.**, Khalid, A.N. (2014). Checklist of Ectomycorrhizae from Pakistan. (Review article) Annual of applied Biological Sciences 01: 10-20.

### 2013

35. Saba, M., **Niazi, A.R.**, Khalid, A.N. (2013). New records of Uredinales (Basidiomycota) from Azad Jammu and Kashmir and adjacent northern areas of Pakistan. Int. J. Agric. Bio., 15: 878-884. (Impact Factor = 0.940)

34. Yousaf, N., **Niazi, A. R.** and Khalid, A. N. (2013). *Myriostomacoliforme*, first Record of rare and endangered gasteroid basidiomycetes from Pakistan. International Journal of Microbiology and Mycology, 1(2): 1-6.

33. Yousaf, N., A. N. Khalid and **Niazi, A. R.** (2013). Taxonomy of gasteroid fungi from some arid regions of Punjab, Pakistan. Journal of Biodiversity and Environmental Sciences.3 (9): 253-263. (IF. 0.564).

32. Afshan, N.S. and **Niazi A.R.** (2013). Rust fungi on some poaceous weeds of wheat crop in Pakistan. Indian Journal of Pharmaceutical and Biological Research.1(4): 95-99.

### 2012

31. Afshan, N. S., Khalid, A. N., **Niazi, A. R.** (2012). Some new rust fungi (Uredinales) from Fairy Meadows, Northern areas, Pakistan. Journal of Yeast and Fungal Research, 3(5): 65-73.

30. Sarwar, S., Khalid, A. N., Hanif, M. and **Niazi, A. R.** (2012). *Suillus flavidus* and its ectomycorrhizae with *Pinus wallichiana* in Pakistan. Mycotaxon, 121: 225-232. (Impact Factor = 0.821)

29. Jabeen, S., Ilyas, S., **Niazi, A. R.** and Khalid, A. N. (2012). Diversity of ectomycorrhizae associated with *Populus* spp., growing in two different ecological zones of Pakistan. Int. J. Agric. Biol., 14: 681-688. (Impact Factor = 0.940)

28. Afshan, N. S., Khalid, A. N., **Niazi, A. R.** (2012). New record of *Puccinia* species on Poaceae from Fairy Meadows, Pakistan. Mycotaxon, 120: 407-413. (IF: 0.821)

27. Afshan, N. S., Khalid, A. N., **Niazi, A. R.** (2012). Three new *Caeoma* species on *Rosa* spp. from Pakistan. Mycotaxon, 120: 239-246. (IF: 0.821)

26. Yousaf, N., **Niazi, A. R.** and Khalid, A. N. (2012). New Records of Noteworthy Gasteroid fungi from Pakistan. Mycotaxon, 119: 261-267. (IF: 0.821)

25. Yousaf, N., A. N. Khalid & **A. R. Niazi** (2012). New records of *Scleroderma* species from Pakistan. Mycotaxon, 122: 43-50. (IF: 0.821)

### 2011

24. Afshan, N. S., Khalid, A. N., **Niazi, A. R.**, & Iqbal, S. H. (2011). *Puccinia* species new to Azad Jammu & Kashmir, Pakistan. Mycotaxon, 116, 175-182. (IF: 0.821)

23. Afshan, N. S, Iqbal, S. H., Khalid A. N. & **Niazi, A. R.** (2011). Some additions to the Uredinales of Azad Jammu and Kashmir (AJ & K), Pakistan. Pakistan Journal of Botany. 43(2) : 1373-1379. (IF: 0.872)

22. Afshan, N. S., Khalid, A. N., **Niazi, A. R.**, Iqbal, S. H. (2011). New records of Uredinales from Fairy Meadows, Pakistan. Mycotaxon. 115. 203-213. (IF: 0.821)

### 2010

21. Afshan, N. S., Khalid, A. N., Iqbal, S. H., **Niazi, A. R.**, & Sultan, A. (2010). *Puccinia anaphalidis-virgatae*, a new species and a new variety of rust fungi from Fairy Meadows, Northern Pakistan, Mycotaxon, 112. 483-490. (IF: 0.821)



**20.** Afshan, N. S., Iqbal, S. H., Khalid, A. N. & **Niazi, A. R.** (2010). A new anamorphic rust fungus with a new record of Uredinales from Azad Kashmir, Pakistan, *Mycotaxon*, 112:451-456. (IF: 0.821)

**19.** **Niazi, A. R.**, Khalid, A. N. & Iqbal, S. H. (2010). New records of Ectomycorrhizae from Pakistan. *Pakistan Journal of Botany*. 42(6): 4335-4343. (IF 0.872)

**18.** Afshan, N. S., Khalid, A. N. & **Niazi, A. R.** (2010). Three new species of rust fungi from Pakistan. *Mycological Progress*. (IF 1.913)

#### **2009**

**17.** Afshan, N. S., Khalid, A. N., Iqbal, S. H., **Niazi, A. R.** & Sultan, A. (2009). *Pucciniasubepidermalis* sp. nov. and new records of rust fungi from Fairy Meadows, Northern Pakistan, *Mycotaxon* 110: 173-182. (IF: 0.821)

**16.** Iqbal, S. H., Afshan N. S., Khalid A. N., **Niazi A. R.**, & Sultan, A. (2009). Additions to the rust fungi of Fairy Meadows, Northern Areas of Pakistan. *Mycotaxon*, 109: 1-7. (IF: 0.821)

**15.** Sultan, M. A., Haq, I., Khalid, A. N., Bajwa, R., Mukhtar, H. & **Niazi, A. R.**, (2009). Additions to the Uredinales of Northern Areas of Pakistan. *Pakistan Journal of Botany*. 41(1). 369-372. (IF 0.872)

**14.** **Niazi A. R.**, Iqbal S. H. & Khalid A. N., (2009). Ectomycorrhizae between *Amanita rubescens* and Himalayan Spruce (*Picea smithiana*) from Pakistan. *Mycotaxon*, 107: 73-80. (IF: 0.821)

#### **2008**

**13.** Iqbal, S. H., Khalid, A. N., Afshan, N. S. & **Niazi, A. R.** (2008). Rust fungi on *Saccharum* species from Pakistan, *Mycotaxon*, 106: 219-226. (IF: 0.821)

**12.** Afshan, N. S., Khalid, A. N. & **Niazi, A. R.** (2008). New Records and Distribution of rust fungi from Pakistan. *Mycotaxon*, 105: 257-267. (IF: 0.821)

**11.** Afshan, N. S., Berndt, R., Khalid A. N. & **Niazi A. R.** 2008. New Graminicolous rust fungi for Pakistan. *Mycotaxon*, 104: 123-130. (IF: 0.821)

**10.** Afshan, N. S., Khalid, A. N. & **Niazi, A. R.** (2008). New records of Graminicolous Rust Fungi from Pakistan. *Pakistan Journal of Botany*. 40(3): 1279-1283. (IF 0.872)

#### **2007**

**9.** **Niazi, A. R.**, Khalid, A. N. & Iqbal, S. H. (2007). *Descoleaflavo annulata* and its ectomycorrhiza from Pakistan's Himalayan moist temperate forests. *Mycotaxon*, 101: 375-383. (IF: 0.821).

**8.** Afshan, N. S., Khalid, A. N., Abbasi, M. & **Niazi, A. R.** (2007). New records of Rust fungi for Pakistan. *Mycotaxon*, 101: 233-237. (IF: 0.821)

**7.** Lodhi, E. M., Khalid, A. N. & **Niazi, A. R.** (2007). Mycoflora of Senescing leaves of Ornamental Plants. I. New Fungal records on some monocots for Pakistan. *Pakistan Journal of Botany*. 39 (3): 881-885. (IF 0.872).

#### **2006**

**6.** Iqbal, S. H., Kasuya, T., Khalid, A. N. and **Niazi, A. R.** (2006). *Lysurus pakistanicus*, a new species of phallales from Pakistan. *Mycotaxon*, 98: 163-168. (IF: 0.821)

**5.** **Niazi, A. R.**, Iqbal, S. H. & Khalid, A. N. (2006). Biodiversity of Mushrooms and Ectomycorrhiza. 1. *Russula brevipes* Peck. and its ectomycorrhiza, a new record from Himalayan Moist Temperate Forests of Pakistan, *Pak. J. Bot.* 38 (4): 1271-1277. (IF 0.872).

#### **2004**

4. Kazmi, S. A. R., Khalid, A. N. & **Niazi, A. R.** (2004). Ectomycorrhizal diversity in Himalayan Poplar (*Populus ciliata* Wall. ex Royle). *Mycopath*, 2 (2): 75-78.
3. Zahoor, M., Khalid, A. N. & **Niazi, A. R.** (2004). Growth response of Ectomycorrhizal isolates on two synthetic culture media. *Mycopath*, 2(1): 25-35.
2. Afshan, N., Khalid, A. N. & **Niazi, A. R.** (2004). New mycorrhizas from Sakesar Hills. *Mycopath*, 1(2): 100-104.

### **2003**

1. Khalid, A. N. and **Niazi, A. R.**, (2003). New Ectomycorrhizas in association with Poplar from Himalayan moist forests of Pakistan. *Mycopath*, 1(1): 95-98.

### **Book Chapter**

1. Niazi, A.R., Ghafoor, A. (2023). First report of the *Navisporus floccosus* on the basis of Macro-Micro Morphological and Molecular evidences from Pakistan. *Synopsis Fungorum* 47.

### **RESEARCH/TECHNICAL PROJECTS FROM HEC/NATIONAL RESEARCH ORGANIZATIONS/UNIVERSITIES**

- 11-: Molecular phylogenetics and optimization of culture and laccase production conditions from a *Podaxis* sp. Rs. 250,000/- financed by University of the Punjab, Lahore.
- 10- Molecular Phylogenetics and spawn production of Nutraceutically and Pharmaceutically important Mushroom *Macrocybe* sp. Rs. 300,000/- financed by University of the Punjab, Lahore.
- 9-Taxonomic study and assessment of culturability and cultivation potential of different *Pleurotus* species from different areas of Pakistan (2020), Rs. 200,000/- financed by University of the Punjab, Lahore.
- 8- Systematic studies, Proximate Analyses and Evaluation of In-Vitro Biological Activities of Mushrooms of Galliat, Murree Hills, Pakistan (2019), Rs. 150,000/- financed by University of the Punjab, Lahore.
- 7- Further Additions to the Gilled Mushrooms of world's largest Man-made Forest, Changa Manga, Punjab, Pakistan (2017-2018) (funded by University of the Punjab, 150,000).
6. Taxonomic study of some mushrooms of Ayubia National Park, KP. Pakistan. (2017), Rs. 150,000/- financed by University of the Punjab, Lahore
5. Macrofungal diversity around Marala Ravi Canal and adjoining areas of Daska, Sialkot, Punjab. Pakistan (2014 – 2015) (funded by University of the Punjab, Lahore, 150,000/-).
4. Further addition to the Fungal flora of Man-made forest Changa Manga, Pakistan. 2013-2014 (funded by University of the Punjab, Lahore, 150,000/-)
3. Fungal flora of Man-made forest Changa Manga, Pakistan. 2012-2013 (funded by University of the Punjab, Lahore, 150,000/-)
2. Amanitas of Pakistan and their ectomycorrhizal diversity from HMTF of Pakistan (2011-2012) funded by University of the Punjab, Lahore, 150,000/-)

**List of Publications** Dr. ABDUL REHMAN KHAN NIAZI

1. Worked as Research Associate at Department of Botany, University of the Punjab, Lahore to explore Biodiversity of mushrooms and ectomycorrhizas from Himalayan moist temperate forests of Pakistan. (Project financed by HEC).