Dr. ABDUL REHMAN KHAN NIAZI

Year-wise Publications list

2025

171. Nadeem, M., **Niazi, A. R.,** & Khalid, A. N. (2025). Oxneriaria kaghanensis sp. nov.(Pertusariales, Megasporaceae) from Kaghan Valley, Pakistan. *Nova Hedwigia*, 121, 1-8.

170. Asif, M., Saba, M., Maula, F., Akram, W., **Niazi, A. R.,** Firdous, Q. & Raza, M. (2025). Morphology and phylogeny reveal four new species and a new record of Volvariella from southern Punjab, Pakistan. *New Zealand Journal of Botany*, 1-24.

169. Niazi, A. R., & Arshad, H. Deciphering the non-mutualistic relationship between fungi and humans: a review. FUUAST Journal of Biology, *14(2),* 1 – 9

168. Nadeem, M., Iqbal, M. S., **Niazi, A. R.,** & Khalid, A. N. (2025). Taxonomic and phylogenetic study of the genus Oxneriaria (lichenized Ascomycota, Megasporaceae) reveals one new species from Pakistan. *Journal of Asia-Pacific Biodiversity*,*18,* 1-10.

167. Iqbal, M. S., Din, A. U., Khalid, A. N., & **Niazi, A. R.** (2025). Morphology and DNA barcoding analyses reveal Acarospora albicans sp. nov. (Lichenized Ascomycota, Acarosporaceae) from Pakistan. *Journal of Asia-Pacific Biodiversity*.18, 1-8.

166. Ashraf, U., Webster, G., Razzaq, A., Afshan, N. U. S., Christofides, S. R., Naseer, A., **Niazi, A. R.** & Khalid, A. N. (2025). Inocybe crenata sp. nov.(subsec. Geophyllinae, sect. Tardae) from Conifer Dominated Forests of Pakistan. *Mycobiology*, *53*, 1-9.

165. Afshan, N. U. S., Ebinghaus, M., Riaz, M., Ahmad, M. A., **Niazi, A. R.,** & Khalid, A. N. (2025). Transfer of Olivea colebrookeae into the teak-rust genus Neoolivea (Crossopsoraceae), with its first report for Pakistan, based on light and scanning electron microscopy and DNA barcoding techniques. *Canadian Journal of Plant Pathology*, *47*, 1-8.

164. Li, Q., Haqnawaz, M., **Niazi, A. R.,** & Khalid, A. N. (2025). Phylogenetic studies on the genus Candolleomyces (Psathyrellaceae, Basidiomycota) occurring in the bed of the Indus River, Punjab, Pakistan, reveal three new species. *MycoKeys*, *112*, 165.

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163. Din, A. U., **Niazi, A. R.,** & Khalid, A. N. (2024). Two new records of Teloschistaceae (lichenized Ascomycota) from Pakistan. *Nova Hedwigia*. 119(3-4), 449 - 456

162. Iqbal, M. S., Din, A. U., Khalid, A. N., & **Niazi, A. R.** (2024). A new species in the lichen genus Circinaria (Megasporaceae) from Pakistan based on morphology and DNA sequence data. *Journal of the Botanical Research Institute of Texas*, *18*(2), 333-340.

161. Hyde, K. D., Noordeloos, M. E., **Niazi, A. R.,** & Savchenko, K. G. (2024). The 2024 Outline of Fungi and fungus-like taxa. *Mycosphere*, *15*(1), 5146-6239.

160. Ahmad, U. F., Zulfiqar, R., Naheed, M., Nadeem, M., Habib, K., **Niazi, A. R.,** & Khalid, A. N. (2024). A systematic study of some lichenized fungi from Pakistan using nrITS marker. *Italian Botanist*, *18*, 75-96.

159. Niazi, A. R., Fatima, T., Ghafoor, A., Ahmad, M., Ghafoor, M. A., Bentalib, A. & Haider, I. (2024). Laccase purification and azo dye decolorization potential of Sparassis latifolia. *Natural Product Research*, 1-11.

158. Haqnawaz, M., Usman, M., Fatima, N., **Niazi, A. R.,** & Khalid, A. N. (2024). Three new species of the genus Candolleomyces (Psathyrellaceae) from Pakistan. *Plant Systematics and Evolution*, *310*(6), 42.

157. Khan, M., Habib, K., Zulfiqar, R., Fayyaz, I., **Niazi, A. R.,** Abdul Rehman; Khalid A. N. (2024). New records of Lepraria (Stereocaulaceae, Ascomycota) from Pakistan. *Nova Hedwigia, 119(1),* 1-10.

156. Iqbal, M. S., Nadeem, M., Din, A. U., Khalid, A. N., & **Niazi, A. R.** (2024). Two new species of genus Acarospora (Lichenized Ascomycota: Acarosporaceae) from Pakistan. *Journal of Asia-Pacific Biodiversity*, 17, 1-20

155. Sattar, T., Intisar, A., Kousar, R., Ramzan, A., **Niazi, A. R.,** Qadir, M. A. & Abid, M. A. (2024). Constituents and Antibacterial Activity of Essential Oil of Nyctanthes arbor-tristis Flower. *Journal of Analytical Chemistry*, *79*(9), 1345-1351.

154. Ghafoor, A., & **Niazi, A. R.** (2024). *Pleurotus* spp: an ultimate solution to the emerging calamities of the world. New Zealand Journal of Botany, 1-38.

153. Haqnawaz, M., Usman, M., Javaid, A., Ramzan, F., Bibi, A., **Niazi, A. R.** & Khalid, A. N. (2024). Four new species of Candolleomyces (Psathyrellaceae) from the Punjab Plains, Pakistan. *Mycologia*, 1-13.

152. Ali, M., Ghafoor, A, **Niazi, A.R.** (2024). Hydnum khanspurensis sp. nov. and H. berkeleyanum from Pakistan. Phytotaxa. 652, 1-10

151. Arshad, W., Ijaz, H., Khan, M., Yasmeen, A., Zhao, C. L., Ghafoor, A., **Niazi, A.R.**, & Jabeen, S. (2024). *Volvariella griseoalba* (Agaricales, Volvariellaceae), a new species from Punjab, Pakistan. Phytotaxa, 661(1), 31-46.

150. Bashir, H., Asif, M, Ghafoor, A, **Niazi, A. R,** Khalid, A.N. (2024). Molecular phylogeny and morphological descriptions of six subtropical new species and one new record of Agaricus sect. Minores from Pakistan. PlosOne, 17(9): e0274634.

149. Ghafoor, A., Elahi, H., Arshad, H., & **Niazi, A. R.** (2024). Two new records of Morchella species from Pakistan based on macro-microscopic features and phylogenetic analysis. *Nova Hedwigia, 118(1),* 1-9.

148. Ahmad, I., Haqnawaz, M., **Niazi, A. R.,** & Khalid, A. N. (2024). A new species of Candolleomyces (Psathyrellaceae) from Pakistan. *Phytotaxa*, *658*(3), 280-288.

147. Iqbal, M. S., Nadeem, M., Khalid, A. N., & **Niazi, A. R.** (2024). Some new records of lichens from Pakistan. *Nova Hedwigia*, *119, 1-7*

146. Jabeen, S., Naseer, A., Ijaz, H., Yasmeen, A., **Niazi, A. R.,** & Zhao, C. L. (2024). *Leucoagaricus rosuliformis* sp. nov.(Agaricales, Basidiomycota) from Changa Manga Forest, Punjab, Pakistan. *Phytotaxa*, *652*(4), 273-283.

145. Ghafoor, A., Rana, A., & **Niazi, A. R.** (2024). Systematic characterisation, mineral analysis, and valorisation of lignocellulosic waste into sustainable indigenous *Ganoderma lucidum* production from Pakistan. *New Zealand Journal of Botany, 62 (1),* 1-17.

144. Elahi, H., & **Niazi, A. R.** (2024). *Melanoleuca lalsuhanraensis*, a new species from Lal Suhanra National Park, Punjab, Pakistan. *Nordic Journal of Botany*, *2024*, e04245.

143. Din, A. U., Iqbal, M. S., Khalid, A. N., & **Niazi, A. R.** (2024). *Chlorangium ahmadii* sp. nov. and *Circinaria darelensis* sp. nov. two new species of lichenized Ascomycetes from Pakistan. *Plant Systematics and Evolution*, *310*(2), 13.

142. Asif, M., Izhar, A., **Niazi, A. R.,** Khalid, A. N., & Saba, M. (2024). Mycological surveys reveal two new species of genus *Lepiota* (Agaricaceae) from the semi-arid climatic region of Punjab, Pakistan. *Mycological Progress*, *23*(1), 20.

141. Khalil, H., Ayyub, M., Anam, A., Shafique, M., & **Niazi, A. R.** (2024). A new species and a new record of the genus *Lepiota* from Changa Manga Forest, Pakistan. *Nova Hedwigia*, 60, 1-10.

140. Haqnawaz, M., Fatima, N., **Niazi, A. R.,** & Khalid, A. N. (2024). Two new species of *Moniliophthora* from Punjab, Pakistan. *Phytotaxa*, *635*(2), 137-148.

139. Asghar, H. S., Nadeem, M., Oryakhil, N., Fayyaz, I., **Niazi, A. R.,** Afshan, N. U. S., & Khalid, A. N. (2024). Two new species of *Lecaimmeria* (lichenized Ascomycota, Lecideaceae) from Asia. *Mycological Progress*, *23*(1), 13.

138. Riaz, S., Nadeem, M., Iqbal, M. S., **Niazi, A. R.,** & Khalid, A. N. (2024). *Circinaria russus* sp. nov.(Lichenized Ascomycota: Megasporaceae) from Pakistan. *Biology Bulletin*, *51 (1)*, 1-6.

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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

135. DNA barcoding techniques. *Microscopy Research and Technique*, 87(1):31-41

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), 1-10.

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*, 50, 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*, 50, 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*, *2023*, 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 Megasporaceae (Lichenized Ascomycetes) in Pakistan. *Biology Bulletin*, 49, 1-4.

126. Naseer, A., Ali, M., **Niazi, A.R.,** & Khalid, A. N. (2023). *Leucoagaricus swaticus* from Himalayan temperate forests of Pakistan. *Nordic Journal of Botany*, 2023, 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*, 49, 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*, 45, 427-432,
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, 25(7),* 85-94.

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.

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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., Lőkös, 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*, 46, 1-6 (IF:0.492).
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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 Brasilica*, *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.(Megasporaceae, 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).

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