

ABSTRACT

In this research work, various sampling sites of Lahore were visited during years 2021-2022, for the collection of mushrooms. A total of 70 specimens were collected from various localities such as Parks, nurseries, graveyard, fields, barren areas, gardens, water banks, and green belts etc. This collection comprised of 45 different species belonging to 26 different genera, 13 families, 1 Incertae sedis and 3 orders. The specimens were identified on the basis of morphological, anatomical and molecular basis. Identified genera are *Agaricus*, *Agrocybe*, *Amanita*, *Amylosporus*, *Bolbitius*, *Candolleomyces*, *Chlorophyllum*, *Conocybe*, *Coprinellus*, *Coprinopsis*, *Coprinus*, *Ganoderma*, *Hygrocybe*, *Hygrophorus*, *Leucoagaricus*, *Limacella*, *Macrolepiota*, *Marasmius*, *Panaeolus*, *Pluteus*, *Podaxis*, *Psathyrella*, *Psilocybe*, *Sparassis*, *Termitomyces* and *Volvariella*. In this collection, one species seems previously undescribed, i.e., *Agrocybe pakistanicus* nom. prov. Following 24 species (*Agaricus brunneodiscus*, *Agrocybe paludosa*, *Amanita alpinicola*, *A. flavorubescens*, *A. vittadinii*, *Bolbitius lacteus*, *Candolleomyces tuberculatus*, *Coprinellus flocculosus*, *Coprinopsis picacea*, *C. striata*, *Ganoderma martinicense*, *Hygrocybe russocoriacea*, *Limacella subtropicana*, *Macrolepiota velosa*, *Marasmius grandisetulosus*, *M. rotalis*, *Pluteus argentinensis*, *Psathyrella aurantiacoumbonata*, *P. longistriata*, *P. patialensis*, *Psilocybe makarorae*, *Termitomyces fragilis*, *Volvariella thailandensis* and *V. volvacea*) were new records from Pakistan.