

ABSTRACT

The field work was carried out to explore the macro fungi of tehsil Jampur, district Rajanpur, Punjab, Pakistan during years 2021 and 2022. During this investigation, about 47 collections of mushrooms were made, which comprised of 20 different species. The collected specimens were identified by morpho-anatomical supported by molecular methods. Molecular analysis was based on ITS-nrDNA sequence data. The collected species belong to 12 different genera, 9 taxonomic families and one order Agaricales. Reported families and genera are i.e., Agaricaceae, (*Agaricus*, *Montagnea*, *Podaxis*) Amanitaceae, (*Amanita*) Callistosporiaceae, (*Macrocybe*) Entolomataceae, (*Clitopilus*) Incertae sedis, (*Panaeolus*) Pluteaceae, (*Volvariella*) Psathyrellaceae, (*Coprinopsis*, *Psathyrella*) Schizophyllaceae, (*Schizophyllum*) and Tricholomataceae. (*Leucopaxillus*). Among the collected specimens, 11 species are new records to the fungi of Pakistan. However, all of the species are first time reported from tehsil Jampur of district Rajanpur.