

ABSTRACT

During current research work, for collection of macrofungal specimens different sampling sites of Tehsil Mian Channu were visited during rainy seasons from 2022–2023. A total of 38 samples were collected from different localities mainly from graveyards, parks, fields, nurseries, water banks, barren areas, green belts and gardens etc. Collected specimens involved 25 different species belonging to 15 different genera, 11 families and 2 orders. These specimens were recognized on morpho-anatomical basis and some using molecular analysis. Identified genera were *Agaricus*, *Amanita*, *Bolbitius*, *Candolleomyces*, *Chlorophyllum*, *Clitocybula*, *Coprinopsis*, *Entoloma*, *Ganoderma*, *Gymnopilus*, *Marasmiellus*, *Parasola*, *Podaxis*, *Termitomyces* and *Volvariella*. Out of 25 species, 6 species were new to Pakistan (*Agaricus parasubrutilescens*, *A. purpureosquamulosus*, *A. robustulus*, *Amanita vittadinii*, *Clitocybula oculus* and *Entoloma nordlandicum*), while 19 taxa (*Agaricus augustus*, *A. bitorquis*, *A. campestris*, *A. latiumbonatus*, *Bolbitius titubans*, *Candolleomyces candolleanus*, *Chlorophyllum molybdites*, *C. palaeotropicum*, *Coprinopsis cinerea*, *C. hispida*, *C. lagopus*, *Ganoderma applanatum*, *Gymnopilus junonius*, *Marasmiellus candidus*, *Parasola plicatilis*, *Podaxis pistillaris*, *Termitomyces umkowaan*, *Volvariella bombycina*) were already reported from different localities of Pakistan. However, all of these taxa were new records from Tehsil Mian Channu, Punjab, Pakistan (study area).