

ABSTRACT

During this Investigation, 20 gasteroid fungal species belonging to 4 orders and 11 genera are collected from Parachinar, Kurram District, KP, Pakistan and described morphologically, anatomically and through illustrations. Among them, 8 species of *Lycoperdon* 4 species of *Bovista*, 1 species of each genus *Disciseda*; *Geastrum*; *Mutinus*; *Phallus*; *Protuberata*; *Rhizopogon*; *Scleroderma* and *Tulostoma* are reported. Molecular analysis based on ITS-rDNA regions of three species viz., *Bovista plumbea*, *Lycoperdon pyriforme* and *Geastrum fimbriatum* was done, and their phylogenetic trees are constructed. In total, 6 species in this investigation (*Bovista aestivalis*; *Disciseda verrucosa*; *Lycoperdon echinatum*; *Phallus indusiatus*; *Protuberata nipponica*; *Scleroderma areolatum*) are reported as new records for mycoflora of Pakistan. The investigation is an attempt to make additions into the existing mycoflora of Pakistan.