

## ABSTRACT

The present study deals with the morpho-anatomic and molecular characterization of mushrooms of Miandam, Swat valley, Pakistan. Collected mushrooms were characterized on morpho-anatomic basis and through molecular techniques using fungal primers for amplification of Internal transcribed spacer (ITS) region. All mushrooms were characterized by using morpho-anatomical techniques. Eleven mushrooms were characterized through molecular analysis of rDNA ITS sequences. These were *Amanita flavoconia*, *Boletus erythropus*, *Boletus satanas*, *Cortinarius purpurascens*, *Clavariadelphus truncatus*, *Inocybe erubescens*, *Inonotus radiatus*, *Inocybe reisneri*, *Leucoagaricus leucothites*, *Xerocomus cisalpinus* and *Xerocomus ferrugineus*.