

Macrofungal Diversity of some districts of Assam, India with special reference to their uses

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ABSTRACT

The state of Assam is endowed with great biodiversity, it abounds in rich flora and fauna. Macrofungal diversity also forms an integral part of the floristic diversity yet very less work has been done on the macrofungal diversity as compared to that of higher plants. In the present work an attempt has been made to document the macrofungal diversity of some districts of Assam and also special emphasis has been laid on documenting the uses of the macrofungi. Surveys were carried out in various parts of Assam from the period of April 2014 to February 2017. The surveys were carried out in various seasons to ensure that the macrofungi occurring in various seasons are collected. The macrofungi were photographed in their natural habitat, collected and brought to the laboratory for their proper identification. A total of 82 species belonging to 51 genera, 34 families and 12 orders, were collected out of which 11 orders belong to division Basidiomycota and only 1 order, viz. Xylariales belong to Ascomycota. The frequency of occurrence and uses of the collected macrofungi have also been documented in the present study.

Key words: Macrofungi, Macrofungal Diversity, Assam