

**PHYLLOPLANE MYCOFLORA OF SOME IMPORTANT  
MEDICINAL PLANTS**

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**Abstract**

The phylloplane, surface of plant leaves is a complex terrestrial habitat that is characterized by a variety of microorganisms including fungi, Bacteria and yeast. These microorganisms play important roles in plant growth and development. There are two kinds of phylloplane fungi: residents and casuals. Residents can multiply on the surface of healthy leaves without noticeably affecting the host. Whereas, casuals land on the leaf surface but cannot grow. A study was carried out on the occurrence of phylloplane fungi on leaves of some important medicinal plants such as *Acalypha indica* L., *Rauvolfia tetraphylla* L., *Solanum nigrum* L. and *Strychnos potatorum* L. A total number of 21 fungal species belonging to twelve genera were isolated from the above said medicinal plants by Leaf Print Technique (LPT) and Leaf Washing Technique (LWT). Among these fungal species belonging to the genera *Aspergillus*, *Fusarium* and *Penicillium* was found to be more dominant.

**Key Words:** Phylloplane, Mycoflora, Medicinal plants