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Short communication

Screening of bacterial endophytes inhabiting *Mimosa pudica* L.

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ABSTRACT

Research on endophytes is burgeoning immense importance since recent years with almost all plants harboring untold number of microorganism as endophytes. Endophytic plethoras are reported to secrete unique novel metabolites bearing therapeutic properties which are being constantly exploited. The present study uncaps the bacterial endophytes inhabiting stem and roots of *Mimosa pudica* L located in southern part of India. The screening resulted in isolation of one forty one myriad bacterial endophytes with different morphological characteristics. The endophytes isolated in the present study will be exploited for further research which will be promising enough to extract any novel leads of pharmaceutical importance.

1. Introduction

Plants are known to serve man kind since ancient era as source of traditional medicine even still many parts of the globe, plants are being rapidly exploited against various diseases (Satish *et al*., 2008). Large number of the present medicines in the western world have been developed on the basis of traditional medicines records and till date plants are being explored for various therapeutic agents and pharmaceutical biology perceive plant as