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## **Evaluation of Anti-Candidapotential of Indigenous Plants** and Herbs

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**Abstract:***Candida*, a yeastis the common cause of fungal infection in humans. It has almost 150 strains from which about 50% of all infections are caused by *Candida albicans*, but there are atleast four other pathogenic species of this fungus, namely *C. glabrata*, *C. krusei*, *C. parapsilosis* and *C. tropicalis*. In this study antifungal activity and minimum inhibitory concentrations (MICs) of the ethanolic and aqueous extracts from fifteen plants, namely *Acacia nilotica* (Babul), Allium Cepa (Onion), Allium Sativum (Garlic), Azadirachtaindica (Neem), Cinnamomumverum (Cinnamon), Curcuma longa (Turmeric), Citrus Limon, Lantana Camara (Wild-sage), Lawsoniainermis(Heena), Ocimum sanctum (Basil), Piper Nigrum (Pepper), *Pithecellobiumdulce* (Jungle Jalebi), *Syzygiumaromaticu* (Clove), *Zingiberofficinale* (Ginger), Ziziphusmauritiana (Ber) were tested against five species of *Candida* viz. *C. albicans, C. tropicales, C. krusei, C. parapsilosis* and *C. glabrata*. Of all tested extracts, Cinnamon (C.verum) was found to be most promising as it inhibited the growth of all tested *Candida*species. Apart from (C.verum), *S.aromaticum* and *O. sanctum* also gave good results with some species. Further in MIC study, a minimum concentration of 25µg of cinnamon was found to be most optimum for all five strains.

Key words: Candida, Antimycoticactivity, Cinnamomumverum, C. tropicalis, C. albicans.

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