

POTENTIALITY OF MANGROVE PLANT EXTRACTS FOR BIOCONTROL OF A PATHOGENIC FUNGI, *FUSARIUM OXYSPORUM*

Abstract : The potentiality of mangrove plants to control plant disease was assessed by using extracts of different parts of mangrove plants against a virulent plant pathogen *Fusarium oxysporum* by disc-assay method. Out of the 13 selected mangroves, 12 plants are having antifungal properties against this pathogen. Leaf extracts showed the highest activity followed by bark, root and fruit. Ethanol and acetone were found most effective among the 8 selected solvents. *Ceriops decandra*, *Heritiera fomes*, *Nypa fruticans*, *Bruguiera gymnorhiza*, *Aegiceras corniculatum* and *Phoenix paludosa* were found most potential plant species for biocontrol of *Fusarium oxysporum*.

Key words: Mangrove plant, *Fusarium oxysporum*. Antifungal activity
