

EFFICACY OF SOME MEDICINAL PLANT EXTRACTS AGAINST *ASPERGILLUS NIGER* OF WHEAT SEEDS

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ABSTRACT

Four medicinal aqueous leaf extracts, namely *Cinnamomum virum*, *Anisomeles malabarica*, *Azadirachta indica* and aqueous seed extract of *Nigella sativa* were evaluated under in vitro conditions against the radial growth of black mold (*Aspergillus niger*), which isolated from the wheat seeds. A total of five treatments, replicated three were taken up in complete randomized design. Each leaves and seed extracts were made at different concentrations viz. 2%, 4%, 6%, 8% and 10% against *Aspergillus niger*. After 6 days of incubation results revealed that leaves and seed extracts inhibited the radial growth of test pathogen and the effect increased with increased the concentration % on compared with control. Among the medicinal plants, *Nigella sativa* seed extract gave the significantly inhibition percentage of *Aspergillus niger* at all concentrations.

KEYWORDS: *Aspergillus niger*, Antifungal, *Cinnamomum virum*, *Anisomeles malabarica*, *Azadirachta indica* and *Nigella sativa*