

Studies on pathogenic fungi from cucurbitaceous crops grown in district Allahabad, Uttar Pradesh, India

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ABSTRACT : In the present study samples of nine infected Cucurbit vegetables namely; Cucumber (*Cucumis sativus*), Long melon (*Cucumis melon*), Water-melon (*Citrullus lanatus*), Pumpkin (*Cucurbita moschata*), Bitter-gourd (*Momordica charantia*), Bottle-gourd (*Lagenaria siceraria*), Sweet gourd (*Momordica cochinchinensis*), Scarlet gourd (*Coccinia cordifolia*), Ash gourd (*Benincasa hispida*) were collected from Allahabad urban areas. To isolate and identify the fungal pathogens collected samples were tested by using PDA method in the laboratory. A total number of fifteen species of fungi were recovered from nine cucurbits. Out of fifteen, three species of *Fusarium* namely; viz.; *F. oxysporum cucumerinum*, *F. oxysporum melonis*, *F. oxysporum niveum* and two fungal species of *Phythium* and *Phytophthora* namely; *P. aphanidermatum*, *Phythium spp* and *P. capsici*, *P. melonis* were recovered from different cucurbits. There were eight other fungal species namely; *Didymella bryoniae*, *Rhizopus nigricans*, *Plectosporium tabacinum*, *Phomopsis sclerotiodes*, *Macrophomina phaseolina*, *Rhizoctonia solani*, *Sclerotium rolfsii*, *Botrytis cinerea* have been also recovered from different cucurbits.

Key Words : Cucurbits, pathogenicity test, distribution, fungi, *Fusarium* spp., *Phytophthora* spp., *Phythium* spp., *Phytophthora* spp., *Didymella* spp., *Rhizopus* spp., *Plectosporium* spp., *Macrophomina* spp.