

ISOLATION AND MAINTENANCE OF FUNGAL PATHOGENS *ASPERGILLUS NIGER* AND *ASPERGILLUS FLAVUS*

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ABSTRACT

In an Agriculture different plants are the source of organism (pathogen) host or colony are present in the seed, root, leaf, and stem on such part different species of fungi are found that of the one are *Aspergillus*. This pathogen causes diseases or do harmful effect such reduction in crop yields, loss in germination percentage, development of plant disease, discoloration and shrivelling, biochemical change in seed. For example Soybean, Maize, Gram seeds mostly growth of *Aspergillus* are common. In this Investigation we collection different plant material with infected of fungus *aspergillus* species. Isolation of *Aspergillus niger* and *Aspergillus flavus* from seeds. Then after identification will done microscopic structure of spore the identified species of *Aspergillus* are *Aspergillus niger* and *Aspergillus flavus*. Such *Aspergillus niger* and *Aspergillus flavus* culture are made from the collected material. Then isolation of fungal specimens from seed then that grown on PDA medium. Then on potato dextrose agar medium are use as nutrient medium for the growth of the both species. Firstly from the potato dextrose agar slant are prepare in aseptic condition. Then some culture are add then see the growth of *Aspergillus niger* and *Aspergillus flavus*. Then some potato dextrose agar are made on petriplate and we add after some time these spp shows growth and the growth of species are collected and preserved as well as maintained

KEYWORDS: *Aspergillus niger*, *Aspergillus flavus*, Isolation, Cultured, PDA and Maintenance

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