

SCREENING OF FUNGI FROM PADDY ARABLE LAND IN UTTAR PRADESH

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ABSTRACT

The study resulted in the five genera were recorded viz. *Aspergillus* sp., *Penicillium* sp., *Mucor* sp., *Fusarium* sp. and *Rhizopus* sp. consist in two region i.e. five block Ganga par region and five block Yamuna par region in district Allahabad. The results were obtained the seven *Aspergillus* sp. viz. *A. fumigatus*, *A. niger*, *A. awamori*, *A. flavus*, *A. flavipes*, *A. versicolor*, and *A. nidulans*, the six *Penicillium* sp. viz. *P. variable*, *P. notatum*, *P. citrinum*, *P. frequentans*, *P. sp.*, and *P. steckii*, the three *Mucor* sp. viz. *M. racemosus*, *M. fragilis*, *M. mucedo*, the three *Fusarium* sp. viz. *F. sp.*, *F. avenaceum*, *F. poae*, the two *Rhizopus* sp. viz. *R. stolonifer*, *R. oryzae* also recorded consist in two region i.e. five block Ganga par region viz. Handiya, Saidabad, Soraon, Holagarh, Phupur and five block Yamuna par region viz. Manda, Uruwa, Meja, Koraon, Karchana. The maximum fungal species was recorded *Aspergillus* sp. followed by *Penicillium* sp., *Mucor* sp., *Fusarium* sp., *Rhizopus* sp. respectively. The most common isolates among them viz. *A. fumigatus*, *A. niger*, *A. flavus*, *P. variable*, *P. frequentans*, *P. sp.*, *M. fragilis*, *M. mucedo*, *F. sp.*, *F. avenaceum*, *R. oryzae* were recorded in Ganga par region and Yamuna par region of Allahabad district in Uttar Pradesh.

KEYWORDS: Screening, Isolation, Soil Fungi, Paddy Field, Allahabad.

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