

SEED MYCOFLORA OF PHYSIC NUT (*JATROPHA CURCAS* L.)

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ABSTRACT : The present study deals with seed mycoflora of *Jatropha curcas* L. an important bio diesel plant. The external and internal mycoflora was studied by blotter technique and agar plate method. Thirteen species of fungus were detected in unsterilized seeds indicating that they were externally seed borne. Twelve species of fungus were detected in sterilized seeds indicating that they were internally seed borne. By blotter technique more fungi were isolated as compared to agar plate method. *Acremonium vilis*, *Curvularia lunata*, *Menmonniella echinata*, *Monilia* sp. and *Penicillium* sp. were not isolated by agar plate method in both sterilized and unsterilized seeds. *Nigrospora oryzae*, *Papulaspora* sp. *Thielavia terricola* and *Trichoderma* sp. were not isolated by standard blotter method in both sterilized and unsterilized seeds.

Key Words : *Jatropha curcas* L, seed mycoflora, blotter technique, agar plate technique,