

## EFFECT OF VARIOUS OIL CAKES AQUEOUS EXTRACTS (EACH @ 5 % AND 10% @ CONC.) ON GROWTH OF *PLEROTUS* SPP.

Tarun Kumar Jatwa, K.T. Apet and Rudrappa K. Bannihatti\*

Department of Plant Pathology, V.N.M.K.V., Dist. Parbhani, India

Email: [tarunjatwa@gmail.com](mailto:tarunjatwa@gmail.com) +919461553414

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**Abstract:** Effect of various oil cakes aqueous extracts each @ 5 % and 10% @ conc. (cotton seed cake, neem seed cake, soyabean seed cake, castor cake, karanj cake, safflower cake, sunflower cake and groundnut cake) on mycelial growth of *Pleurotus* spp. (*P. florida*, *P. eous*, *P. sajor-caju*) was studied *in vitro*. The culture media tested, maximum colony diameter of *P. florida* (90.00 mm) was recorded on Potato dextrose agar (control-without any aqueous extract of oil cakes), this was followed by Cotton cake extract @ 5 % (49.66 mm), Karanj cake extract @ 5 % (42.66 mm) minimum colony diameter was recorded on safflower cake extract @ 10 % (21.00 mm) and this was followed by sunflower cake extract @ 10 % (23.00 mm). The average colony diameter of *P. eous* the maximum colony diameter (90.00 mm) was recorded on Potato dextrose agar (control-without any aqueous extract of oil cakes), this was followed by Cotton cake extract @ 5 % (59.66 mm), Karanj cake extract @ 5 % (55.66 mm) and the minimum colony diameter was recorded on sunflower cake extract @ 10 % (20.33 mm) and this was followed by groundnut cake extract @ 10 % (24.66 mm). Colony diameter of *P. sajor-caju* the maximum colony diameter (90.00 mm) was recorded on Potato dextrose agar ( control-without any aqueous extract of oil cakes), this was followed by Cotton cake extract @ 5 % (53.00 mm) and the minimum colony diameter was recorded on castor cake extract @ 10 % (20.33 mm) and this was followed by sunflower cake extract @ 10 % (22.00 mm).

**Keyword:** *In vitro*, *Pleurotus florida*, *Pleurotus. eous*, *Pleurotus sajor-caju*, Culture media

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\*Corresponding Author