

EVALUATION OF DIFFERENT WAVELENGTH (COLOUR OF LIGHT) ON RADIAL GROWTH OF *PLEUROTUS EOUS* (PINK OYSTER MUSHROOM)

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Abstract: The effect of different colors of light on radial growth of *P. eous* was studied under *in vitro* condition in Mushroom Research Laboratory Department of Plant Pathology, College of Agriculture, IGKV, Raipur at 2011-12. The radial growth of *P. eous* in blue light with 455-492 nm wavelength favor highest significant growth (88.50 mm) followed by Red wavelength 622-780 nm with (78.50 mm) and pink wavelength 600-650 nm with (76.50 mm) growth. However radial growth *P. eous* were recorded at par in purple wavelength 390-455nm (65.50 mm), yellow wavelength 577-597nm (68.50 mm), transparent 1520-1580 nm (70.50 mm) as compare to control (65.50 mm). The least radial growth was observed in green wavelength 492-577nm (43.50 mm). The Mycelial character of wavelength 455-492 nm was whitish pink dense cottony mycelial growth with regular margin and wavelength 622-780 nm was White dense mycelial growth with regular margin. The Mycelial character of wavelength 492-577 nm was white cottony mycelial growth with regular margin. This wavelength shows very poor growth.

Keywords: Pink oyster mushroom, *Pleurotus eous*, wavelength, color light

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