

Yield performance and nutritional analysis of *Pleurotus* species on different agro wastes and vegetable wastes

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ABSTRACT

Mushroom cultivation is followed due to their delicious flavour and low calorific value. Oyster mushroom was cultivated on rice straw, *brassica* straw, cauliflower leaves, pea pod shell, soybean husk and on various combinations of paddy straw and aforementioned waste. *Pleurotus citrinopileatus* failed to grow on pea pod shell and cauliflower leaves when it was cultivate separately on these wastes. However, it grew very well on paddy straw in combination with other substrates. Yield and biological efficiency of *P. citrinopileatus* was seen better, when it grows on paddy straw mixed with other agro waste than paddy straw alone and also in case of nutrients. From different species of *Pleurotus*, *P.sajar-caju* have high biological efficiency than *P. sajar-caju* and *P. florida* when cultivated on soybean husk.

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