

## Studies on growth pattern and fruit body characteristic of *Pleurotus* spp. in East and South-Eastern Coastal Plain Zone of Odisha

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Among the cultivated mushrooms, Oyster has maximum number of commercially cultivated species suitable for diverse agro-climatic situations of the country with varying yield potential, shape, size, colour and aroma. The present investigation was undertaken to evaluate the performance of ten promising species viz. *P. eous*, *P. citrinopileatus*, *P. fossulatus*, *P. flabellatus*, *P. platypus*, *P. ostreatus*, *H. ulmarius*, *P. sajor-caju* (DMR strain) along with *Pleurotus sajor-caju* (CTMRT strain) and *Pleurotus florida* as checks, in terms of their yield potential and quality attributes in the East and South-Eastern coastal plain zone of Odisha during the winter season. Studies on growth pattern and fruit body characteristics indicated that the species exhibited compact to cottony growth on Potato Dextrose Agar medium. Most of the species were non-pigmented while few were pigmented ones. *Pleurotus citrinopileatus* produced larger sporophores among the species.

**Key words:** Growth pattern, fruit body, PDA, *Pleurotus*

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