

RESEARCH ARTICLE

# Effect of epidemiological factors on the vegetative growth of certain wild edible mushrooms from the Eastern Ghats of Tamil Nadu

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**ABSTRACT**

Studies were conducted to ascertain the most suitable substrate and growing conditions for the best vegetative growth of some wild edible mushrooms (*Russula parazurea*, *Volvariella volvacea*, *Calvatia bicolor*, *Agaricus bitorquis*, *Termitomyces eurrhizus* and *Tricholoma caligatum*) found along the Eastern Ghat regions of Tamil Nadu. Potato dextrose yeast agar medium followed by Potato dextrose coconut extract agar medium were found to be superior in supporting the vegetative growth of all the selected mushrooms. PDY broth infused with sorghum flour and horsegram flour @ 2 per cent significantly enhanced the bio mass production of the mushrooms. *A. bitorquis*, *V. volvacea*, *R. parazurea* and *C. bicolor* preferred pH 6.5. *R. parazurea*, *T. eurrhizus* and *C. bicolor* preferred 26°C and 28°C, respectively.

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