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RESEARCH ARTICLE

Study of biological efficiency and yield of oyster mushroom with chemical treatment

■ JAYA SINGH AND SAURABH GUPTA

SUMMARY

Various concentration of nitrogen source, e.g. peptone, few carbon, viz., maltose and lactose and inorganic chemicals, viz., $MgSO_4$ and $FeSO_4$ (0.5 to 1.0) were screened to determine the most suitable concentration for better yield of *Pleurotus sajor-caju*. It was found that all the carbon source and inorganic chemicals gave maximum yield and biological efficiency in 0.5 per cent concentration. On that basis maltose and $MgSO_4$ were proved superior carbon source and inorganic chemical, respectively. Peptone, the semisolid protein as nitrogen source gave maximum yield and biological efficiency in 0.5 per cent concentration.

Key Words : Yield, Oyster mushroom, Biological efficiency, Chemical

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