STANDARDIZATION OF IN VITRO PROPAGATION OF POLIANTHES TUBEROsa L. (CALCUTTA DOUBLE)

Aveek Samanta, Tilak Raj Maity, Debanjan Jana, Babita Saha and Siraj Datta*

Department of Biotechnology, Haldia Institute of Technology, Haldia – 721657, West Bengal, India
Email: dattasiraj@gmail.com

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Abstract: Tuberose is a bulbous, ornamental plant and popular for its sweet fragrance with attractive beauty. They synthesize many commercially valuable compounds. The various types of tuberose varieties are cultivated in the nursery of tropical and subtropical countries. Application of plant tissue culture has been used in large scale clonal multiplication of Polianthes tuberosa L. varieties. In the present study Polianthes tuberosa L. (Variety Calcutta double) rhizomes were used as explant to culture in solid MS medium containing different concentrations of IAA and BAP. The best response of multiple shoot production was found in MS medium containing 0.5 mg/l IAA and 3 mg/l BAP as compare to control.

Keywords: 6-Benzylaminopurine, Indole-3-acetic acid, Murashige and Skoog, Tuberose

REFERENCES


