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Effects of N-Benzyl-9-(2-tetrahydropyranyl) Adenine in Combination with Indole-3-butyric Acid on in vitro Culture of Bauhinia variegata L.

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Abstract

Firstly, the multiple shoots were obtained from the nodal segments of Bauhinia variegata L. cultured on Murashige and Skoog`s (1962) (MS) medium containing 0.5 µM BAP (Benzylaminopurine) increased the high multiplication rate. Nodal segments inoculated on the MS medium with various combinations of 0.5, 1.0, 2.0 and 5.0 µM BPA (N-Benzyl-9-(2- tetrahydropyranyl) adenine with 0.1, 0.5, 1.0 and 2.0 µM concentrations of IBA (Indole-3-butyric acid) and separately showed drastically different results. Healthy propagated plants were acclimatized and transferred to the field. Data were worked out statistically with SPSS, a system of analytical procedure.

Author Keywords

Micropropagation, Nodal culture, BPA, IBA, Acclimatization

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