

Rapid *in vitro* regeneration of *Geranium robertianum* - a valuable medicinal herb

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ABSTRACT:

The present study highlights a rapid and simple micropropagation of *Geranium robertianum*. Micro shoots were regenerated from shoot tips and nodal explants of *in vitro* seedlings directly without the intervening callus phase. *In vitro* shoots were successfully proliferated from those explants of *G. robertianum* cultured on MS medium fortified with Naphthalene Acetic Acid (NAA) and of N6-Benzylaminopurine (BAP). Results showed that proliferated shoots from shoot tips reached the highest mean (3.715); compared with those from nodal explants (3.015). The application of an adjuvant, adenine sulphate (80 mg.L⁻¹) in the optimal medium led to increase the mean shoot number per shoot tip of 4.60 shoots.

Keywords:

Geranium robertianum, Medicinal plant, *in vitro* multiplication.