



Avances en la propagación vía embriogénesis somática de *Psychotria ipecacuanha* (Brot.) Stokes, planta medicinal en peligro crítico [

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text (article)

Analítica

Psychotria ipecacuanha (Brot.) Stokes (Rubiaceae Juss), is a species with known medicinal properties. This species is critically endangered due to overexploitation of natural populations. Besides knowing the difficulties in propagation by seed (due to the low rate of germination and high seedling premature death) and by vegetative (slow growth), the present study evaluated the potential for propagation by using direct somatic embryogenesis. Young leaves segments from plants cultivated in a greenhouse were disinfected and planted in MS medium (Murashige y Skoog), supplemented with different concentrations of growth regulators. IBA and BAP combinations at 1 and 2 mg / L and 2 and 1 mg / L, respectively, shown to be effective in the formation of somatic embryos in this species. The origin of the donor plant seems to influence foliar tissue sensitivity to the outcome. This is the first report of direct somatic embryogenesis for this species and the first report of in vitro culture in Colombian populations

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