

عنوان مقاله:

MICROPROPAGATION AND CALLOGENESIS OF MEDICINAL PLANT *Curculigo orchioides*

محل انتشار:

کنفرانس بین المللی توسعه با محوریت کشاورزی، محیط زیست و گردشگری (سال: 1394)

تعداد صفحات اصل مقاله: 6

نویسندگان:

Raheleh Ahmadzadeh Ghavidel - *Ph.D Scholare of Agroecology, Ferdowsi University of Mashhad*

Samaneh Zokae - *MSc of Plant Pathology, Ferdowsi University of Mashhad*

خلاصه مقاله:

Curculigo orchioides is a perennial herb of the family Hypoxidaceae. It is an endangered plant species of medicinal importance. In this study a simple and efficient protocol for in vitro micropropagation of *Curculigo orchioides*. Through shoot tip and nodal portion explants and callogenesis of *Curculigo orchioides* through leaf, node and explants was used. A completely randomized design was followed for the experiment multiple shoots were obtained on all concentrations of BAP and NAA, but BAP (1mg/l) showed the best response (90 and 80%) from both explants. Similarly the best callus response was observed on MS medium supplemented with 2, 4- D + Kin (1+1 mg/l) in all explants. Then plantlets were transferred to different potting media in green house for acclimatization at the end of a three-month period, an average of 125 plants were obtained from a single meristem.

کلمات کلیدی:

Curculigo orchioides, micropropagation, Plant hormones, tissue culture

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