

## عنوان مقاله:

Callus Induction from In Vitro Cultured Leaf, Hypocotyl and Root of Hyssopus officinalis

## محل انتشار:

اولین همایش ملی کاربرد پژوهش های نوین شیمی و کشاورزی در توسعه گیاهان دارویی (با محوریت گشنیز) (سال: 1400)

تعداد صفحات اصل مقاله: 4

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## خلاصه مقاله:

Hyssopus officinalis is a high-value medicinal plant in Iran. The aim of current study was to identify a suitable system for optimum callus induction from in vitro cultured leaves, hypocotyls and roots of H. officinalis. Callus induction was tested on MS medium supplemented with different concentrations of BA in combination with 2,4-D and NAA. The highest survival percentage was obtained on MS media containing 2 mg/l BA + 1 mg/l 2,4-D and 1 or 2 mg/l BA + 1 or 2 mg/l NAA. MS medium containing 2 mg/l BA + 1 mg/l 2,4-D and 2 mg/l BA + 1 or 2 mg/l NAA was found best for callus induction rate. In vitro cultured hypocotyl explants showed great ability to induce callus, followed by roots and leaves

## کلمات کلیدی:

callus induction, explant, growth regulators, Hyssopus officinalis, in vitro culture

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/1377976>

