

Callus induction and plantlet regeneration in *Aegle marmelos* (L.) Corr. Using cotyledon explants

Hazeena Meerasahib Sainulabdeen, Sulekha G. R.

Abstract

A protocol was developed for callus induction and shoot regeneration from cotyledon explants of *Aegle marmelos* (L.) Corr., a medicinal tree. Murashige and Skoog (MS) medium supplemented with benzyl adenine (2.2 μ M) and 2,4-dichlorophenoxy acetic acid (2.26 μ M) recorded the highest growth score for callus induction and proliferation. Shoot regeneration response from the callus was best on MS medium containing 8.8 μ M benzyl adenine and 2.85 μ M indole-3- acetic acid. Callus derived shoots were rooted in vitro on MS medium supplemented with 12.3 μ M indole-3- butyric acid. The plantlets were acclimatized in sand and transferred to the field.

Full Text: [PDF](#)

Reading Tools

Callus induction ...

Sainulabdeen, R.

- [Review policy](#)
- [About the author](#)
- [How to cite item](#)
- [Indexing metadata](#)
- [Print version](#)
- [Look up terms](#)
- [Notify colleague*](#)
- [Email the author*](#)

RELATED ITEMS

- [Author's work](#)
- [Related studies](#)
- [Government policy](#)
- [Book searches](#)
- [Relevant portals](#)
- [Databases](#)
- [Online forums](#)
- [Data sets](#)
- [Pay-per-view](#)
- [Media reports](#)
- [Web search](#)

SEARCH JOURNAL

CLOSE

* Requires [registration](#)