

**AGROBACTERIUM-MEDIATED TRANSFORMATION IN
LINSEED (*LINUM USITATISSIMUM* L.)**

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ABSTRACT

An optimized regeneration protocol and a suitable transformation technique is a necessity in obtaining transgenic plants in a given plant species. This research summarizes a simple culture method to obtain rooted plants from stem pieces of linseed cultivar Antares within 3-4 months. Here, we also present our results on transformation experiments carried out with 7-day-old stem explants and *Agrobacterium tumefaciens* EHA105 strain. According to molecular examination 14 transgenic plants of 276 (5.1%) examined plants were obtained.

Key words: Linseed, *Agrobacterium tumefaciens*, EHA105, genetic transformation