

Study on the effect of different plant growth hormones on callus formation of explants of *Acalypha indica* on MS media.

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ABSTRACT

Plant tissue culture is one of the most rapid growing areas of biotechnology because of its high potential to develop improved crops and ornamental plants. *Acalypha indica* of Euphorbiaceae family has several medicinal properties like cathartic, anti-hermitic expectorant, emetic, anodyne and hypnotic. The medicinally useful parts of the *Acalypha indica* includes leafs, roots, stalk and flowers. The major constituents present in *Acalypha indica* are alkaloids, acalypus. The aim of the study is to produce callus culture of *Acalypha indica* explants such as leaf, node and inter-node on MS media. The results were observed is callus on the 8th day of inoculation.