

Studies on pigments and monoterpene glucosides from cultured tissues of *Gardenia jasminoides* Ellis (Rubiaceae)

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Callus tissues were induced from the fruit of *Gardenia jasminoides* Ellis on basal MS medium supplemented with 2,4-D (3 mg/L) -K (0.1 mg/L) and N (3 mg/L)-K (0.1 mg/L). Callus on subcultured onto MS medium supplemented with N (3 mg/L) - K (0.1 mg/L) induced yellowish pigmented callus. The MeOH extract of yellowish callus tissues showed the presence of crocin when analysed by HPLC. However, crocin was at low levels in callus as compared to fruit. It have maintained the crocin producibility through subcultures over 10 month. Further, triterpene, phytosterol and their glycosides were also identified from the MeOH extract of the callus tissues.