

ABSTRACT

The present study was an effort to develop an efficient protocol of micropropagation for *Gazania rigens* from its different explants. MS medium supplemented with auxins and cytokinins was used. It was found that when explants were inoculated on MS medium fortified with 1.5 mg/ml BAP callus induction occurred. However, friable green callus were observed on MS medium fortified with 1.5 mg/ml IBA + 1.5 mg/ml NAA. Maximum shoots were attained when callus were shifted at MS medium supplemented with 2 mg/ml BAP + 1.5 mg/ml IAA. Root formation was observed when shoots from KIN + IAA were subcultured on MS medium containing 2 mg/ml IAA. Direct regeneration was attained on MS medium complemented with 1.5 mg/ml KIN + 0.5 mg/ml NAA. Rooting was achieved on MS medium fortified with 1.5 mg/ml IBA.