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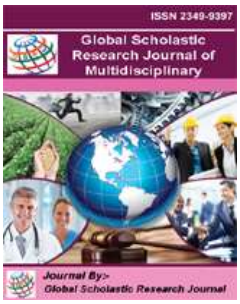

IN VITRO EVALUATION OF SEEDS GERMINATION AND SHOOT MULTIPLICATION OF BORAGE (BORAGO OFFICINALIS L.) UNDER DROUGHT STRESS CONDITION

EL -KAABY EKHLAS A.JASIM[1]

[1]Department of Genetic Engineering, Biotechnology Center, Ministry of Science and Technology, Baghdad 10001, Iraq

Abstract

Seeds of Borage (*Borago officinalis* L.) plant were treated with different concentrations of Gibberellic acid GA3 (0.0, 5.0, 10.0,20.0 and 30.0 $mg.l^{-1}$) and germinated *In Vitro* conditions. Two weeks later shoots of Borage with (1cm) were cultured in stressed media containing polyethylene glycol (PEG 6000) at concentration of (0.0, 10.0, 30.0 and 70.0 $g.l^{-1}$).The results revealed that, 30.0 $mg.l^{-1}$ recorded optimum concentration for germination seeds percentage reached 87.15% and a clear reduction were found with the increase of PEG concentrations were as no response were recorded at 70.0 $gm.l^{-1}$.

Keywords: PEG, Borage, In Vitro

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