

EFFECT OF SOME TREATMENTS ON *Atropa belladonna* SEEDS GERMINATION.

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ABSTRACT

This research was conducted at tissue culture lab./College of Agriculture/University of Baghdad during september2011. The study included treated *Atropa belladonna* seeds with different concentrations of HCl for different period, and using culture media contained different concentrations of GA₃. The objective of using HCl and GA₃ was to break the dormancy of the seeds and shorten the period of germination .

Results showed that the highest percentage of germination 100% was obtained from seed treated with 50% HCl for 5 min . and cultured in media contained 0.6 mgGA₃/litter It also showed that increasing GA₃ concentration in the media resulted increasing in the percentage of germination.

Key words: Belladonna, Seed germination, HCl, GA₃