

Effect of Interaction between Different Concentrations of Colchicine, Time Duration and Two Verities of *Crepis capillaris* on Chromosome Polyploidy in vitro Culture

Authors : Mosleh M. S. Duhoky, Payman A. A. Zibari

Abstract : These experiments were conducted at Tissue Culture Laboratory/ Faculty of Agriculture and Forestry/ University of Duhok during the period from January 2011 to May 2013. The objectives of this study were to study the effects of interaction between three different factors on percentage of polyploidy of *Crepis capillaris* by using Tissue culture technology. Concerning the data it is obvious that shaking of *Crepis capillaris* with 2B chromosome with 0.15 mM for ten days inscribed a high percentage of polyploidy within most fifteen passages.

Keywords : *crepis capillaris*, 2B chromosome, tissue culture, polyploidy

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