

Protocol for synthetic seeds production in Nabq (*Ziziphus spina-christi* L)

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This current study investigated the influence of media type and Indole Acetic Acid (IAA) concentration on artificial seed germination and growth in *Ziziphus spina-christi* (Nabq tree), four types of media ((Murashige and Skoog, Nitsch and Nitsch, Woody and Gamborg) and five concentrations of IAA (0.0, 0.05, 0.1, 0.5, 1.0 and 1.5 mg/l) were used. Data indicated that, IAA at 0.1 mg/l was found to be the best concentration to germinate the synthetic seeds by 86.67% germination; the second best one was 0.5 mg/l with 3.33% germination. MS medium was the best medium in shoot height (cm), leaves and nodes number and leaves dimensions (cm) compared to NN, WPM and B5 media. On the other hand, MS medium supplemented with 0.1 mg/L IAA were the best in germination and vegetative characteristics in synthetic seeds of Hozaien nabq.

Biography

Doaa S Elazab has completed her PhD from Assiut University in Plant Tissue Culture and Abiotic Stress and Post-doctoral studies from McGill University, Plant Science Department, Canada. She published many papers on topics such as "Plant tissue culture, plant molecular analysis and biotic and abiotic stress on fruit trees".

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