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INITIATION AND ANATOMICAL DEVELOPMENT FOR
ADVENTITIOUS ROOTS OF PEACH ROOTSTOCK BAYDAWI
Prunus persica L. Batsch
IN TISSUE CULTURE

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Abstract: This study was conducted at the laboratory of Plant Tissue and Cell Culture, Department of Horticulture and Landscape Design, College of Agriculture and Forestry , Mosul University. The objective of this study was to show the effects of IBA concentration and MS strength on rooting peach rootstock Local Baydawi *in vitro* .

The results exhibited that ½ MS with 0.5 mg/l IBA gave the best rooting after 4 weeks , sections of the stem basal shoot for (0 -11 days) after IBA root inductive treatment showed that the root primordial formed after 3days and cell division was increased after 5 days, vascular bundle formed after 7days , and the sections showed that the young root primordia apparently appeared from stem tissue after 11 days .