

Role Of Tissue Culture in The Development Of Fruit Crops

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ABSTRACT

This paper aims at contributing to an understanding the role of tissue culture and biotechnological tools in the development of fruit crops. Biotechnology tools comprising tissue culture, molecular markers, recombinant DNA technology and genetic engineering can help fulfill consumers demand. The development of multiple shoots from nodal explants of important litchi cultivars, Shahi and China, is a big achievement. The role of polyphenols causing hinderances in micropropagation in fruit crops has been overcome due to certain phytohormones. Now micropropagation protocol for fruit crops can easily be developed and if the efforts will succeed, will bring break through in micropropagation of litchi along with other added advantages.

Keywords: Fruit crops, tissue culture, micropropagation, biotechnology.