

# Effective Organogenesis From Different Explants Of L

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### Effective Organogenesis From Different Explants

#### **Effective Organogenesis From Different Explants Of L ...**

Just invest tiny era to approach this on-line notice effective organogenesis from different explants of l as competently as review them wherever you are now Plant Development and Organogenesis-Giovanna Frugis 2020-01-23 The way plants grow and develop organs significantly impacts the overall performance and yield of crop plants

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#### **Rapid and efficient plant regeneration from shoot apical ...**

Direct and indirect shoot organogenesis from different explants are reportable as effective explants for several plant species Direct organogenesis regeneration from explants, omitting the callus induction segment, is admirable notably in modern plant tissue culture technology wherever reducing

costs of ...

### **Direct organogenesis from cold treated in vitro leaf ...**

explants (05-10 cm<sup>2</sup>) were placed on various concentration of TDZ (10-50 mg/l) Among all media, number of shoots from in vitro leaf explants with different concentrations was found significantly different after 5th week of culture Highest shoot induction response (4240%) was occurred at 40 mg/l TDZ from 72 hrs cold treated in vitro leaf

### **Direct Organogenesis from Cotyledonary Node Explants of ...**

Among the different concentrations TDZ 005 Table 1 Effect of plant growth regulators on multiple shoot induction from cotyledonary node explants of cultured C pepo on MS medium Growth regulators (mg/L) Explants with shoots % Mean No of shoots/explants Callus formation BA 00 00 00 05 68 f ...

### **Direct and indirect plant regeneration from various ...**

explants Indirect organogenesis via callus phase was obtained from nodes and petioles on WPM supplemented with different concentrations of 2,4-Dichlorophenoxy acetic acid (2,4-D) The nodes part of the 89 M 066 clone gave the highest rate of generative callus (100%) on WPM supplemented with 2

### **An effective method for Agrobacterium tumefaciens-mediated ...**

RESEARCH PAPER An effective method for Agrobacterium tumefaciens-mediated transformation of Jatropha curcas L using cotyledon explants Ying Liua,b, Xiaoyan Yangc, Yahuan Zhaoa, Yuesheng Yanga, and Zhenlan Liu a aState Key Laboratory for Conservation and Utilization of Subtropical Agro-bioresources, College Life Sciences, South China Agricultural

### **Plant Let Regeneration from Leaf Explants through ...**

Efficient plant regeneration via organogenesis was established using leaf explant Callus cultures from the leaf explants were tested for growth and organogenic capacity on MS medium fortified with different concentrations and combination of 2,4-D with BAP and 2,4-D with TDZ The

### **MICROPROPAGATION OF RASPBERRY CULTIVARS BY ...**

used the cytokinin N6-benzyladenine (BA) for initiating organogenesis process from different explants Zeatin, another cytokinin, has been found to be more effective for shoot proliferation of some woody species, eg, in Vaccinium (Debnath and McRae 2001; Debnath 2003) Thidiazuron, a cytokinin-like

### **P-ISSN: In vitro studies in Arnebia hispidissima Arnebia ...**

different explants and growth regulators in different combinations is the major motive of present study flower from cultured axillary buds through organogenesis were also observed (Fig 4) The present results revealed that studies are a highly effective commercial production method of shikonin and other derivatives from callus cultures

### **Direct somatic embryogenesis and organogenesis pathway of ...**

The bombarded explants were incubated for 15 days on SESM These explants were further sub-cultured (for a fortnight) onto a somatic embryo induction medium (SEIM) containing MS supplemented with 4 mg L<sup>-1</sup> of BAP and 05 mg L<sup>-1</sup> of 2,4-dichlorophenoxy acetic acid (2,4-D) (a strong auxin) Later, the meristematic masses were transferred onto

### **Influence of Genotype, Explant Type, and Component of ...**

An effective protocol of indirect somatic organogenesis of shoots from different explants of tomato varieties with a frequency of more than 80% was

devel oped

### **Organogenesis of Fraxinus excelsior L. by isolated mature ...**

novo production of adventitious shoots on explants from many different sources, and this tissue culture technique is widely used in horticulture and forestry for production of ornamental plants and timber species (Tzfi ra et al 1998) Although somatic embryogenesis and organogenesis has the potential to be a very effi cient method for

### **Direct and indirect method of plant regeneration from root ...**

explants has been regarded as a good explant source not only for mass multiplication of plantlets but also for the production of secondary metabolites from the calli<sup>24,25</sup> In this study, regenerants were successfully produced from the excised root explants of C bonduc both from direct and indirect organogenesis methods Direct organogenesis

### **An investigation of tissue culture and co-cultures of ...**

effective on the improvements in morphogenesis and organogenesis of cultured explants (Tripathi, 2003) Grezelak and Wirnia (2002) studied on callus callus was significantly different from other explants For hormonal compounds, explants had the highest

### **In Vitro Propagation of Chrysanthemum: an Overview on its ...**

induction and organogenesis The regeneration of shoots by organogenesis is one of the main methods in vitro propagation of chrysanthemum and many other plant species [7,9,11] Efficient Diversity in adventitious shoot regeneration of various cultivars direct organogenesis of Chrysanthemum using leaf explants

### **Micropropagation of Wild Service Tree (Sorbus torminalis ...**

Explants in the Forestry and Game Management Research Institute of the Czech Republic Despite this, for stan-dardized micropropagation procedures for the wild service tree and for its effective exploitation in forestry, some difficulties during the rooting stage of organogenesis remain to be solved Cytokinins, N6-substituted purine

### **Influence of zeatin, glutamin and auxins on root and shoot ...**

However, combination of BA with zeatin was effective in shooting response, number of shoot/explants and shoot length Maximum number of explants (766%) responded to rooting with 15 mg/l-1-IAA in combination with 10 mg/l 1 NAA On average, maximum of (25) roots were also recorded per explants in ...

### **Efficient In Vitro Regeneration of Sugarcane (Saccharum ...**

in different sugarcane cultivars from various explants the results obtained by us are in agreement with the work of Ramanand et al (31) that 40 mg·l<sup>-1</sup> 2,4-D induced 633% more calli than nAA and iBA Auxins, especially 2,4-D (20 and 30 -1mg·l<sup>-1</sup>), induced 70% callus from leaf sheath explants (14,