

Propagation of Allium species by aseptic culture.

University of Salford - Plant Tissue Culture: Environmental Condition, Methods, Types and Application



Description: -

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How to Grow Alliums From Seed

Sterilization of the culture vessels using detergents, autoclaves, etc. The microspores first develop into multicellular bodies which later give rise to an exceedingly dense callus.

Plant Tissue Culture Technique and its applications

Micro-propagation of commercially important plants. Tissue culture-based biotechnological methods could be utilized in mass propagation and genetic improvement of this valuable Allium species. Embryo Culture: Culturing young embryos on a nutrient medium is called embryo culture.

VEGETATIVE REPRODUCTION OF ALLIUM AMPELOPRASUM L. IN VIVO AND IN VITRO in: Israel Journal of Plant Sciences Volume 32 Issue 1 (1983)

Hardy, Easy-Care, Deer- and Rodent-Resistant Ornamental alliums are hardy to zone 4 and they have very undemanding cultural requirements. It is also triploid in its chromosome constitution. Rhododendron is an important ornamental woody species, which often shows low multiplication rates and low percentages of rooting in vitro and survival ex vitro in conventional photomixotrophic micropropagation, and which could possibly benefit from photoautotrophic culture.

Plant Propagation References

The differentiation of different types of cells from the cultured cells is known as cytodifferentiation. Two different types of bacterial colonies on an agar plate.

Horticulture

In this regard, Lal et al. The apical meristem of a shoot is the portion which is lying beyond the youngest leaf primordium. These are placed on suitable nutrient medium in culture vessel under sterilized condition such as inoculation chamber or laminar flow cabinet.

Micropropagation: Plant Tissue Culture Technique

Artificial Seeds: There are many plants which neither have seeds nor produce a small quantity of seeds.

How to Grow and Care for Allium (Ornamental Onion)

Role of Morphogenesis: As described above, morphogenesis includes all those events which occur during the growth and development of an organism. Cloning Agricultural Plants via In Vitro Techniques. Organogenesis commences with the stimulus produced by the components of culture medium, the substances initially present in the original explants and also by the compounds produced during culturing.

Plant Tissue Culture Technique and its applications

Ahluowalia, in , 2003 New Industry Micropropagation allows propagation of disease-free, high-quality plants, tubers and bulbs. Grafting has uses in addition to propagation.

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