Mindluster Platform

About the course Plant biotechnology

Course Presenter : Bio science

Plant biotechnology, in this course explore how science is revolutionizing agriculture and plant-based industries. In this course, we will learn about the key concepts and techniques used in plant biotechnology, including genetic engineering, tissue culture, and molecular markers. You'll discover how scientists create genetically modified (GM) plants to resist pests, tolerate drought, or enhance nutritional value. Weâ€™ll also cover Agrobacterium-mediated gene transfer, CRISPR/Cas9 applications, and the production of valuable compounds like vaccines and pharmaceuticals using plant systems. In addition, you'll explore ethical and environmental considerations surrounding GM crops. Whether you're a student, researcher, or enthusiast, this course offers a comprehensive foundation in modern plant biotechnology and its role in sustainable agriculture and global food security. Letâ€™s begin your journey into the world of genetically empowered plants. Bio science

Medical Category's Courses

Course Lesson(10)

Lesson 1 : **Plant tissue culture technique Step by step process Procedure Bio science**

Lesson 2 : **Meristem culture Procedure Diagrammatic representation Applications Bio science**

Lesson 3 :
Organogenesis Direct and Indirect organogenesis with notes Plant biotechnology Bio science

Lesson 4 : **Cell suspension culture Technique involved Notes Procedure Bioreactor Bio science**

Lesson 5 : **Formation of somatic hybrids and cybrids Notes Somatic hybridization Cybridization**

Lesson 6 : **Embryo rescue with notes Principle Procedure Applications Plant biotechnology**

Lesson 7 : **Callus culture technique with notes Principle Protocol Procedure Properties Bio science**

Lesson 8 : **Cryopreservation technique with notes Diagrammatic procedure Applications Bio science**

Lesson 9 : **Edible vaccines Production in laboratory Benefits Oral vaccines Bio science**

Lesson 10 : **Protoplast culture method Made easy Bio science**

Related courses

Infection Control

Male Reproductive

Anatomy

Pharynx

Endocrine

General Embryology



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