



BIOTECHNOLOGY AND PLANT PATHOLOGY CURRENT TRENDS 1ST PUBLISHED



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### **biotechnology and plant pathology pdf**

Biotechnology in Plant Pathology Molecular Detection and identification of plant pathogens Identification and tagging of resistance genes (MAS) Development of resistant cultivars Gene pyramiding Exploitation of biocontrol agents in disease/ pest management Strain improvement Development of resistant transgenics

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Plant Biotechnology (cont') Transgenic plants 1. That tolerate abiotic stresses 2. Transformed with specific plant genes for resistance 3. Transformed with genes coding for anti-pathogen compounds 4. Transformed with nucleic acids that lead to silencing of pathogen genes 5. Transformed with combinations of resistance genes 6.

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remains an exciting challenge for plant pathology. By providing powerful methods for manipulating organisms, biotechnology will have an increasing impact on science, education, and society (Ah 1986, Ammirato et al. 1984, Hansen et al. 1986, Kvistgaard & Olsen 1986) and will be a powerful force shaping the future of plant pathology.

### **Biotechnology for plant disease control; application of**

The dawn of a new era in plant pathology and plant protection is upon us. Biotechnology has rewritten the scope of scientific investigation, broadened the avenues to resistant plants, and challenged us to take safe and careful steps.

### **Biotechnology: A new era for plant pathology and plant**

Plant pathology is related to most of the old and new sciences like biology, physics, chemistry, physiology, mathematics, genetics, soil science, biochemistry, biotechnology etc. Plant pathology has the following major objectives.

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Role of Biotechnology in Plant Disease Management Authors: Neelam Geat 1 and Devendra Singh 2 1 Ph.D Scholar, Division of Plant Pathology, IARI, New Delhi, 110012 Ph.D. Scholar, Division of Microbiology, IARI, New Delhi, 110012 Biotechnology is defined as the manipulation, genetic modification and multiplication of living organisms through novel technologies, such as tissue culture and genetic ...

### **Role of Biotechnology in Plant Disease Management**

Market report on Plant Pathology & Biotechnology . Market research analysts at Technavio have predicted that the global seed treatment (Plant Pathology & Biotechnology) market will grow at a CAGR of around 10% by 2020. Farmers are increasingly opting for biological seed treatment methods owing to the environmental impact and health hazards ...

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