



Plant Genetic and Gene Expression

By Anima Satpathy

Mittal Publications, New Delhi, 2011. N.A. Book Condition: New. x+305pp Plant genetics has emerged as an exciting area of research by creating unprecedented opportunities for the manipulation of biological systems of plants. The applications of plant genetics to increase crop field, improve crop quality, and reduce production costs have been considerable. The new transgenic techniques create new gene combinations with novel traits such as resistance to pests, disease and herbicides. Today it is possible to develop plants that provide ingredients for healthier nutrition, grow in unfavourable conditions or for form substances that are otherwise produced by means of a complex chemical process these transgenic crop plants hold great promise for the world agriculture. The basic approaches and issues involved in the developments and discoveries associated with the science are described in detail. For understanding plant genetics, it is essential to know the basic aspects of gene and its organisation in the genome of plant cells. The book covers all the important aspects of plant genetics including manipulation of gene expression, plant genetic engineering, production and features of transgenic plants, applications and implications of DNA technology. This book contains: *Gene Expression in Plant *Gene Expression: Organisation and Complexity *Gene Expression :...



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