



Introduction to Plant Promoter

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Condition: New. Publisher/Verlag: LAP Lambert Academic Publishing | Plant genetic engineering is one of the upcoming fields of study in which plants can be manipulated at genetic level for betterment of mankind. This field of science possesses a high importance in pharmaceutical industries, nutraceutical industries, agricultural productivities and many more. Production of enzymes, proteins and even the growth of plant can be regulated by constructing a suitable vector. The vector includes the regulatory sequence i.e. promoter for the optimal expression of gene. An expression level of transgene/gene of interest depends upon strength of promoter. Architecture of the promoter element can be redesigned to modify the expression of gene. The basic rationale behind developing such modified promoters lies in the notion that the transfer of the upstream DNA sequence/cis-element that binds a specific trans-factor from one promoter into a different promoter containing the TATA sequence might result in a novel regulatory or transcription model. Authors had attempted through this book to give a brief idea of various promoters and the mode of their engineering for improvement of agriculture quality. | Format: Paperback | Language/Sprache: english | 148 pp.



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