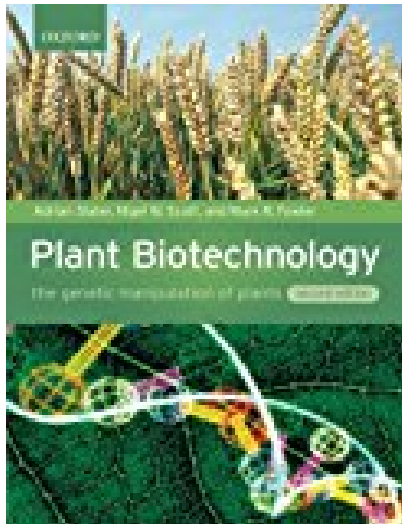


# Plant Biotechnology The Genetic Manipulation of Plants

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## BOOK DETAILS

- Author : Adrian Slater
- Pages : 400 Pages
- Publisher : Oxford University Press
- Language : English
- ISBN : 0199282617



## BOOK SYNOPSIS

An overview of the production of genetically modified (GM) crops, with special attention given to the key scientific and technical advances underpinning their development. The book begins with a summary of current knowledge about plant genome organization and gene expression, and continues with an introduction to techniques of plant tissue culture and genetic transformation. A discussion of the design of constructs for plant genetic manipulation precedes a series of chapters covering specific objectives for GM crops, such as herbicide resistance, pest resistance and disease resistance. A consideration of strategies for engineering stress tolerance and the improvement of crop yield and quality, as well as the prospects for molecular farming. Discussions of actual case studies place the science in its broader agricultural/commercial context.

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