

## PRACTICAL APPROACH

Series Editor: B. D. Hames  
<http://www.oup.com/pas>



*Plant Molecular Biology*, published in 1988, was the first Practical Approach book to focus on molecular biology techniques for plant biologists. The rapid advances made in plant sciences during the past decade are reflected in the need to produce two entirely new volumes to cover all of the current methodologies of importance. These new books, *Molecular Plant Biology*, Volumes 1 and 2, incorporate many of the fundamental procedures outlined in the original publication but also incorporate many new approaches and techniques. The chapters have been written by international experts with real practical expertise in the topics covered.

The approaches outlined in Volume 1 cover a wide range of techniques for gene identification, mapping, and gene isolation. The methods described include classical mutagenesis, plant transformation, T-DNA and transposon tagging strategies, genomic subtraction, the construction and screening of YAC, BAC and cosmid libraries, chromosome *in situ* hybridisation, the isolation of cDNA sequences by Western and Southwestern library screens, and complementation cloning. Volume 2 concentrates on gene expression analysis.

*Molecular Plant Biology*, Volumes 1 and 2, are essential laboratory companions for all plant researchers; up-to-date practical guides, invaluable reference sources, and a wealth of solid practical advice from leading experts.

**OXFORD**  
UNIVERSITY PRESS

[www.oup.com](http://www.oup.com)

