

Essential Entomology

An Order-by-Order Introduction

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Illustrations by Richard Lewington

An up-to-date order-by-order introduction and reference handbook for students of biological sciences in general and entomology in particular. Covers all the important groups on a worldwide basis. A concise guide to the insect orders and to what makes insects special and successful.

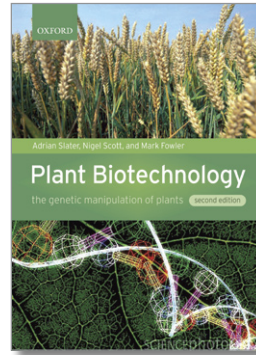
“ This book should be as indispensable to students as to amateur entomologists, ecologists, and nature enthusiasts ... It is to be hoped that this excellent value reference book will achieve a wide circulation. **Galathea** ”

Readership: Biological sciences undergraduates; ecologists; naturalists; anyone whose work touches on insects; amateur entomologists.

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Plant Biotechnology

The genetic manipulation of plants
Second Edition

Adrian Slater, Nigel Scott, and Mark Fowler, all of De Montfort University


Plant Biotechnology: the genetic manipulation of plants presents a balanced, objective exploration of the technology behind genetic manipulation, and the application of this technology to the growth and cultivation of plants. The book describes the techniques underpinning genetic manipulation in a clear, lucid manner, and makes extensive use of case studies to illustrate how this influential tool is used in practice.

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The organisation and expression of plant genes; Plant tissue culture; Techniques for plant transformation; Vectors for plant transformation; The genetic manipulation of herbicide tolerance; The genetic manipulation of pest resistance; Plant disease resistance; Reducing the effects of viral diseases; Strategies for stress tolerance; The improvement of crop yield and quality; Molecular farming/‘pharming’; Science and society: the public acceptance of GM crops; Beyond GM crops

Readership: Advanced undergraduates and postgraduates in the biological sciences studying plant biotechnology as a stand-alone unit or as part of a broader plant science course. The book will also be of interest to PhD students beginning work in the areas of plant science and biotechnology and also researchers in these areas.

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“ The book describes the techniques underpinning genetic manipulation in a clear, lucid manner, and makes extensive use of case studies to illustrate how this influential tool is used in practise. **CABI** ”

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