

TRANSGENIC PLANT RESEARCH

Edited by **Keith Lindsey**

The development of transgenic plant research has had a big impact upon science, and not just in the world of agriculture. Transgenic plants are being exploited for the production of novel products, such as pharmaceuticals and plastics, and are providing new insight into the fundamental mechanisms of plant growth and development. This book reviews the techniques involved in generating and manipulating transgenic plants, with each topic being approached from both an historical and a scientific perspective.

Transgenic Plant Research is split in to four main sections, (a) Gene Transfer Techniques, (b) Transgenic Approaches to Gene Isolation, (c) Manipulation of Plant Development, Biochemistry and Physiology, and (d) Predictability of Transgene Expression. The potential for each area is discussed in full.

About the Editor

Keith Lindsey studied for his BA (botany) at St Catherine's College, Oxford and went on to complete his PhD in plant cell biology at the University of Edinburgh, Scotland. Over his career he has served for several distinguished universities and he is currently Professor of Plant Molecular Biology, in the Department of Biological Sciences for the University of Durham, UK. His current research interests are directed towards improving our understanding of the genetic basis of plant development, with a particular interest in the identification and characterization of genes that are required for correct morphogenesis in the *Arabidopsis* seedling. The use of transgenic plant technology is an intrinsic part of the experimental approach adopted.

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