



Transgenic Plants: Methods and Protocols

By -

Humana Press Inc. Paperback. Book Condition: New. Paperback. 437 pages. Dimensions: 9.0in. x 6.0in. x 1.2in. The aim of Transgenic Plants: Methods and Protocols is to provide a source of information to guide the reader through a wide range of frequently used, broadly applicable, and easily reproducible techniques involved in the generation of transgenic plants. Its step-by-step approach covers a series of methods for genetically transforming plant cells and tissues, and for recovering whole transgenic plants from them. The volume then moves on to the use of selectable and reporter markers, positive selection, marker elimination after recovery of transgenic plants, and the analysis of transgene integration, expression, and localization in the plant genome. Although contributors usually refer to model plants in most chapters, the protocols described herein should be widely applicable to many plant species. The last two sections are devoted to methods of risk assessment and to exploring the current and future applications of transgenic technology in agriculture and its social implications in a case study. Transgenic Plants: Methods and Protocols is divided into six major sections plus an introduction, comprising 27 chapters. Part I, the Introduction, is a review of the past, present, and...



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