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This book summarises various aspects of Plant Biotechnology and is divided into 27 chapters. This edition discusses: plant cell culture and development, plant tissue culture, micropropagation, germplasm storage, haploid plants, triploid plants, *in vitro* pollination and fertilisation, protoplast isolation and culture, somatic cell hybridisation, synthetic seeds, plant breeding, plant derived vaccines, genetically modified foods, improving photosynthesis and crop yield, insect resistant plants, fungus resistant plants, virus resistance plants, ornamental plant, medicinal plants, recombinant DNA, molecular markers, intellectual property rights. A unique features of the book is chapters on nanotechnology for micronutrients in soil-plant systems.

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