

function, virus replication and virus movement have also been covered extensively and illustrated diagrammatically in an organized way. Transmission of plant viruses by various biological and other means; and molecular mechanism virus-vector interaction has been covered elaborately. This book also includes a large chapter that covers almost all the important plant virus diseases occurring in India and their management. The last chapter contains practical manual and protocols of advanced techniques that will help the researcher and plant virologist. With its focus and coverage, this book serves as a text book for undergraduate, postgraduate students and research scholars in Plant Virology, Plant Pathology, Entomology, Microbiology, Agriculture, Botany, Molecular Biology and Biotechnology. This book will help teachers to prepare lectures for the students in different discipline of biological and agricultural science.

Salient Features

Apart from providing information on ecology, epidemiology and general management strategies of plant virus related diseases, the book also includes latest techniques in plant virology like ELISA, electron microscopy, DIBA, nucleic acid hybridization, etc. The book covers genome structure, genome organization and architecture of viruses, gene expression and function, and replication in depth. The contents include dedicated chapters on modes of viral transmission through insects, nematodes and fungi as well as through seeds, and advancements made in understanding the virusvector interaction for transmission of viruses. The text is supplemented with numerous well-labelled diagrams and appropriate use of color plates.

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