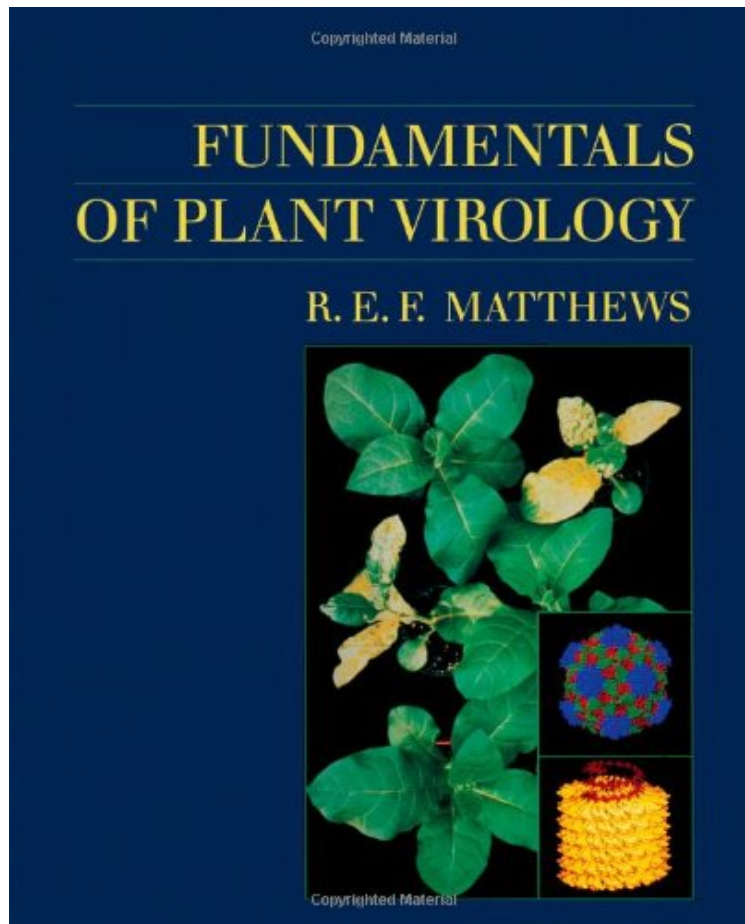


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Fundamentals of Plant Virology

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Fundamentals of Plant Virology is an introductory student text covering all of modern plant virology. The author, Dr. R.E.F. Matthews, has written this coursebook based on his classic and comprehensive Plant Virology, Third Edition. Four introductory chapters review properties of viruses and cells and techniques used in their study. Five chapters are devoted to current knowledge of all major plant viruses and related pathogens. Seven chapters describe biological properties such as transmission, host response, disease, ecology, control, classification, and evolution of plant viruses. A historical and future overview concludes the text. Fundamentals of Plant Virology is a carefully designed instructional format for a plant virology course. It is also an invaluable resource for students of plant pathology and plant molecular biology. Summarizes knowledge on all aspects of plant virology Condenses all essential material from

Plant Virology 3/e Compares basic properties of cells and viruses Outlines principles of gene manipulation technology Discusses serological techniques including monoclonal antibodies Geared to student level course

"Fundamentals of Plant Virology provides a carefully designed instructional format for a plant virology course. This text, together with the Third Edition of Plant Virology, provides an invaluable resource for the student of plant pathology as well as for professionals engaged in active research in the area. Thus, I highly recommend Fundamentals of Plant Virology for instructional purposes, as a reference, and for a detailed introduction to the field of plant virology. I predict that this informative textbook will become an integral component of undergraduate and graduate courses in plant virology and Matthews is to be congratulated for putting a book together that sets such a high standard. I am eager for my students to explore the book and acquire some of the knowledge gained by the author in over forty years of professional experience in plant virology." --ANDREW O. JACKSON, Professor of Plant Pathology, University of California, Berkeley "I found the text to be up-to-date, relevant to students with a genetics/biochemistry background, as well as to those coming to the subject from a biology/plant pathology background. It will fill a niche between Matthews' new book and more applied student texts recently published on the descriptive aspects of plant virology. Its strongest favourable point is the emphasis it places on the molecular aspects of virology and the integration of these properties with the understanding of infection replication, transport, symptoms, transmission, epidemiology, and control. Matthews appears to be the only author currently capable of preparing a text covering the breadth of plant virology single-handedly." --DR. J.W. Randles, Department of Crop Protection, THE UNIVERSITY OF ADELAIDE, South Australia "From the reviews of Plant Virology. This is an excellent textbook for a graduate level course in plant virology... For virologists, plant pathologists, and other biologists whose teaching or research activities have some relation to the plant viruses, this should be a most useful reference work." -- BIOSCIENCE "The text is highly readable and the form of the volume is outstanding. This book gives up-to-date information on nearly all aspects of plant virology and can be highly recommended for students and researchers." -- ACTA PHYTOPATHOLOGICA "The author is experienced in many of the areas which he covers, and writes clearly and critically about them all." --AMERICAN SCIENTIST "Highly recommended." --CHOICE