



# Plant Physiology

By Kabita Dutta

Mittal Publications, New Delhi, 2011. N.A. Book Condition: New. xiv+303pp During the past decade the biological sciences have experienced a period of unprecedented progress, and nowhere is the excitement of this new era more apparent than in the field of plant physiology. Innovations such as the recombinant DNA techniques are providing new tools for understanding how environmental signals and hormones regulate gene expression and development. Special attention has been given to the molecular basis of cell cycle regulation of plant growth and development and plant biotechnology. Physiology studies the function of an organism, encompassing the dynamic processes of growth, metabolism, reproduction and interaction with other organisms. Modern physiology combines a wide spectrum of techniques such as molecular biology, biochemistry, cell biology, genetics and biophysics to obtain insights into the functioning of an organism. Understanding the functioning of a plant organism in its native environment at the whole plant level requires information about the integration of processes, which can only be achieved by physiological research. The multiplicity of Publications which now characterizes every field of scientific activity has made it extremely difficult, if not impossible, for the individual research worker, teacher, or advanced student to keep abreast, in a systematic manner,...



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