

Modern Plant Physiology

Second Edition

R K Sinha



Highly successful first edition of the book is now thoroughly revised and updated in the light of current developments in field of plant physiology and Biochemistry.

ADDED CONTENTS ARE:

- Reverse osmosis, effect of blue light on stomatal movement, chlororespiration, Line Weave-Burk plot, artificial sweeteners, post translational modifications, protein synthesis in chloroplasts and mitochondria, synthesis of unsaturated fatty acids, refined oils, trans fats, artificial fat, chemiosmotic theory of auxin transport, GA induced α -amylase synthesis, other known phytohormones, molecular basis of flowering and floral parts differentiation along with physiological and biochemical changes during senescence.
- Regulation of glycolysis by PFK, aerobic respiration, pentose phosphate pathway, alternate oxidase pathway, fatty acid synthesis are also incorporated in this edition.

KEY FEATURES OF THE SECOND EDITION:

- Chlororespiration
- Molecular basis of flowering
- Molecular basis of GA action of seed germination
- Chemi-osmotic model of polar auxin transport
- Artificial sweeteners, Artificial fat Refined oil and Trans fat



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