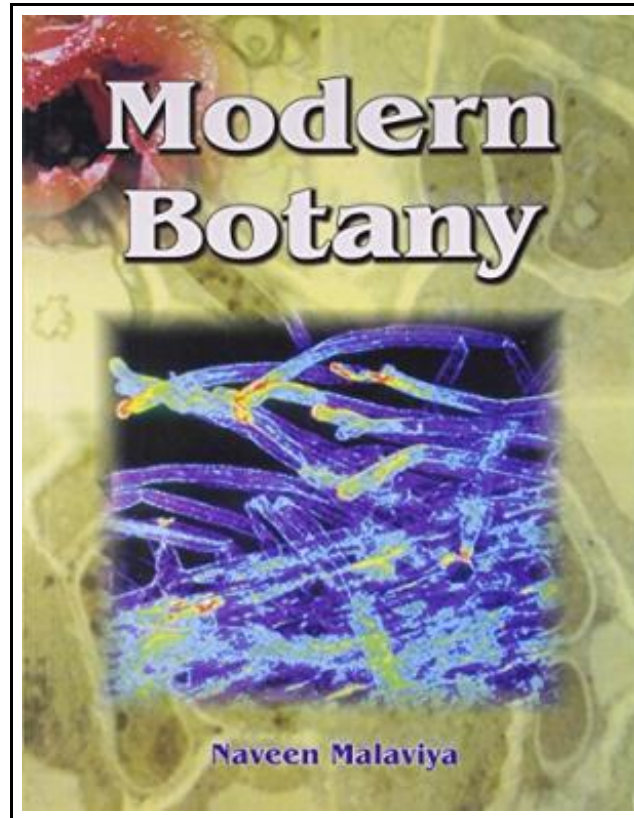


Modern Botany



Filesize: 7.22 MB

Reviews

The most effective pdf i ever read. it absolutely was writtern extremely flawlessly and useful. I am very easily will get a pleasure of reading through a published book.
(Prof. Vidal Ledner)

MODERN BOTANY



Scientific Publishers, 2008. Softcover. Book Condition: New. The present book is a text book on modern topics of Botany. The first chapter of this book is on plasma membrane, wherein, details of transport mechanism is discussed. There are three sections in this book. Section I deals with the biochemistry and metabolism. Section II covers developmental physiology and the Section III is on plant biotechnology. In this section, Ti plasmid, transposable elements and transgenic plants are discussed in details. In this book there are separate chapters on bioinformatics and biosignalling. The text of this book is based on biochemical, physiological and molecular aspects, along with the modern and emerging ideas in Botany. Contents: 1. Plasma membrane Structure, Membrane Model, Movement across cell membrane. Translocators, Pumps, Ion Channels, Aquaporins. SECTION I : BIOCHEMISTRY AND METABOLISM 2. Metabolism and Bioenergetics Metabolism, The Energy state of cell, Laws of Thermodynamics, Free Energy, Components of Electron Transport System, Electron Transport Chain, Phosphorylation. 3. Cell Biochemistry Covalent, Non covalent bonds, Hydrogen bonds, Polar and non polar molecules, Acid Base and Buffers. Biochemistry of Carbohydrate: Monosaccharides, Diasaccharides, Polysaccharides, Starch, Cellulose, Pectin. Biochemistry of Amino acid. Biochemistry of Proteins: Protein Structure. Biochemistry of Lipids: Fats, Steroids, Phospholipids. Biochemistry of Nucleic acid, Nitrogenous Base, Nucleoside and Nucleotide. Biosynthesis of purine and pyrimidine. 4. Enzyme Nomenclature and Classification, Mechanism of Enzymatic reaction, Michaelis Menton equation, enzyme activity energy concept, general properties. 5. Photosynthesis Historical background, Hill reaction, Red drop and Emerson effect, Photobiology, Photochemistry, Energy transfer, Light Harvesting, Photosynthetic unit and Reaction center. Thylakoid and location of pigments. Photosystem, Physiology of PS II, Role of cytochrome b6 f, Physiology of PS I, The electron transport system, photophosphorylation, Physiology of Photophosphorylation, ATP synthase. C3 plants: Calvin cycle, Enzymes of RPP, stoichiometry and energetics, regulation of calvin cycle, Sucrose synthesis, Starch synthesis....



Read Modern Botany Online



Download PDF Modern Botany

You May Also Like



Barabbas Goes Free: The Story of the Release of Barabbas Matthew 27:15-26, Mark 15:6-15, Luke 23:13-25, and John 18:20 for Children

Paperback. Book Condition: New.

[Read Document »](#)



There Is Light in You

Changing Minds Online, LLC, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.There is Light in You is a collection of bedtime...

[Read Document »](#)



Captain Cat: Story and Pictures (An I Can Read Book)

Harpercollins Childrens Books. Hardcover. Book Condition: New. 006020527X New Unread Book may have some minor shelf wear, Fast Shipping, Excellent Customer Service, Satisfaction Guaranteed.

[Read Document »](#)



I Am Reading: Nurturing Young Children s Meaning Making and Joyful Engagement with Any Book

Heinemann Educational Books, United States, 2015. Paperback. Book Condition: New. 234 x 185 mm. Language: English . Brand New Book. It s vital that we support young children s reading in ways that nurture healthy...

[Read Document »](#)



The genuine book marketing case analysis of the the lam light. Yin Qihua Science Press 21.00(Chinese Edition)

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment.Paperback. Pub Date :2007-01-01 Pages: 244 Publisher: Science Press Welcome Our service and quality...

[Read Document »](#)