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Understanding Metabolism

By D. Amirtham, N. Krishnaveni and P. Govindaraju

Jaya Publishing House, 2015. Hardcover. Book Condition: New. Dust Jacket Condition: New. 1st Edition. Contents: Preface. 1. Metabolism. 2. Thermodynamics and Bioenergetics. 3. Carbohydrate metabolism-I. 4. Carbohydrate metabolism-II. 5. Fat metabolism. 6. Protein metabolism. 7. Nucleotide metabolism. Index. Metabolism is the baseline of the molecular mechanisms of all life forms. Throughout the history of understanding this scientific discipline, biochemists have worked to reveal the fundamental chemical and physical principles that underlie these living processes. The progress in our understanding of living organisms, already enormous by the early 1990s, is currently being exceeded, in no small measure, because of the spectacular advances in molecular technologies that are based on biochemical research. The challenge in life and biological science education is how to prepare students for careers in diverse fields in which the pace of knowledge accumulation will only accelerate in the foreseeable future. In this regard, the most important tool that teachers can offer the students of biological science disciplines is a coherent understanding of the basics of this cellular metabolic process. The first edition of Understanding Metabolism has been designed and compiled to provide a logical, basic and accessible introduction to biochemical principles underlying cellular metabolism.



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