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Enzyme Technology

By S. Shanmugam, T. Sathishkumar, M. Shanmugaprakash

I.K. International Publishing House Pvt. Ltd., 2012. Paperback. Book Condition: New. Second Edition. 16cm x 24cm. What are enzymes? How do they behave? How are they obtained? What are their uses? This book manages to cover all this. Most of the young workers in R&D of biotechnological industries would find it useful for a quick introduction. Current Science, Vol. 96, No. 11, 2009. This book gives a broad account of enzymology and aims to put the current knowledge into perspective. The chapters follow a progression from the properties of isolated enzymes to the behaviour of enzymes in increasingly complex systems, leading up to the cell. Included is the discussion on the importance of enzymes in medicine and industry. This book discusses the behaviour of isolated enzymes, dealing in turn with isolation methods, structural characterization, kinetics, catalytic action and control of activity, immobilization methods and various applications of enzymes. The methods for isolation and characterization of enzymes are now well-established procedures, so the rate at which three-dimensional structures and mechanisms are being determined is increasing dramatically. Ultimately it is necessary to know the behaviour of enzymes in living cells. This involves in part a synthesis of the information obtained from the...



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