

KINETICS OF ENZYME MECHANISMS

By J. TZE-FEI WONG

1975, 306 pp. / ISBN: 0-12-762250-0

"Access to this book will be helpful to any researcher who anticipates undertaking enzyme kinetic studies A good supplementary text for graduate students taking general biochemistry. The book should certainly be available in biochemistry, biology, and chemistry libraries."

—Karl G. Brandt in ASM NEWS

"A good contribution . . . useful for researchers, graduate students, and senior undergraduates in biochemistry."

—CHOICE

CONTENTS:

One-Substrate Mechanism. Steady-State Rate Law. Graphical Methods. Inhibitors and Activators. Branching Mechanisms. Linear Mechanisms. Cooperative Interactions. Homotropic Mechanisms. Isotopic Exchanges. Rate Constants. Statistical Methods. Across the Membrane into the Cell. Appendix. Solutions to Problems. Index.

IMMOBILIZED ENZYMES FOR INDUSTRIAL REACTORS

Edited by RALPH A. MESSING

1975, 248 pp. / ISBN: 0-12-492350-X

Here is a comprehensive guide to the industrial applications of immobilized enzymes. It describes how to deal with the numerous problems generally encountered in initial research, development, and final engineering programs for these applications. In so doing, it covers in detail the immobilized enzyme systems, including the carriers, the immobilization techniques, cofactor requirements, the reactors, and carrier regeneration.

Throughout, the book teaches logical procedures for dealing judiciously with specific practical problems. For those new to the field, the book includes a review of enzyme chemistry and a chapter on the chemistry of glass: although glass may not be the preferred material for all applications, it does provide a model system that can serve as a standard for evaluating other materials.

This practical book should be of interest to chemical engineers, biochemists, food technologists, applied microbiologists, pharmaceutical chemists, agricultural engineers, biochemists and chemists.

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