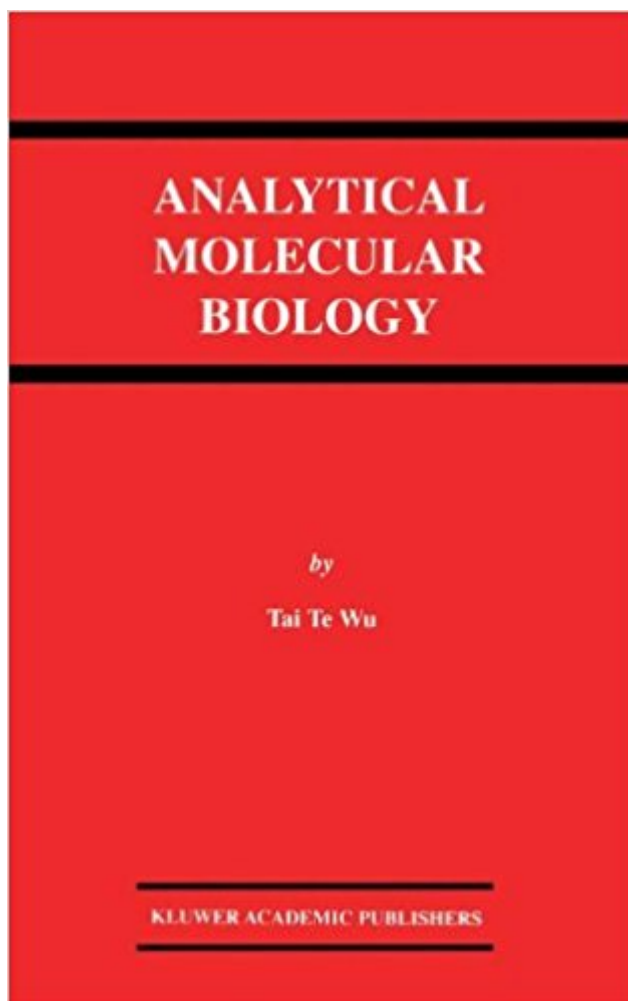




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Synopsis

Analytical Molecular Biology illustrates the importance of simple analytical methods applied to some basic molecular biology problems, with an emphasis on the importance of biological problems, rather than the complexity of mathematics. First, the book examines crucial experimental data for a specific problem. Mathematical models will then be constructed with explicit inclusion of biological facts. From such models, predictions can be deduced and then suggest further experimental studies. A few important molecular biology problems will be discussed in the order of the complexity of the mathematical models. Based on such illustrations, the readers can then develop their own analytical methods to study their own problems. This book is for anyone who knows they need to learn how to apply mathematical models to biology, but doesn't necessarily want to, from practicing researchers looking to acquire more analytical tools to advanced students seeking a clear, explanatory text.

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