



Essentials of Biophysics

By University of Mumbai, Formerly at John Hopkins University Medical School, Baltimore P Narayanan

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Biophysics is the bridge between the physical and natural sciences. There is a direct correlation and equivalence between physical and medical/biological science. The aim of this book is to present all the topics that can be classified as essential to biophysics:- chemical bonding (quantum physics), cellular, molecular and membrane biophysics, biophysical chemistry of biomolecules, physiochemical techniques (spectroscopies, microscopies, NMR, X-Ray diffraction), bioenergetics, biomechanics, photo-chemo- and radiation biophysics, and bioinformatics.

The contents are organised into 4 sections containing 18 sub-sections. An overview is given for each section that comprises several chapters with a common theme. Each chapter is summarised in advance with a handy synopsis to assist the reader's understanding. Further reading is suggested at the end of every chapter. And the appendices and glossary at the end of the book provide an easy access to the more technical concepts, phrases and terminology.

'Essentials of Biophysics' can therefore by definition be used on a wide range of cross disciplinary science courses, and will also serve as a valuable reference work in physical and natural science libraries.

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