

ideas on how metal ions catalyze chemical transformations in metalloproteins. Platinum antitumor drugs, technetium radio-pharmaceuticals, and magnetic resonance imaging agents are also discussed.

In an important chapter, the authors point out that inorganic cofactors having very similar or even identical chemical structures can take part in widely differing chemical processes, depending on the particular protein environment. This implies that the protein environment is able to tune the chemistry of the cofactor. Especially useful is the extensive citation of recent primary literature and the presence of numerous study problems for students. The limitations of the book are the ones posed by the nature of the field itself: a wide variety of areas and concepts must be covered without making the book too long to be useful for students.

The book will also find a place on the bookshelves of both biochemists and inorganic chemists interested in bioinorganic chemistry. In short, it is essential reading for anyone interested in learning more about this fascinating area.

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