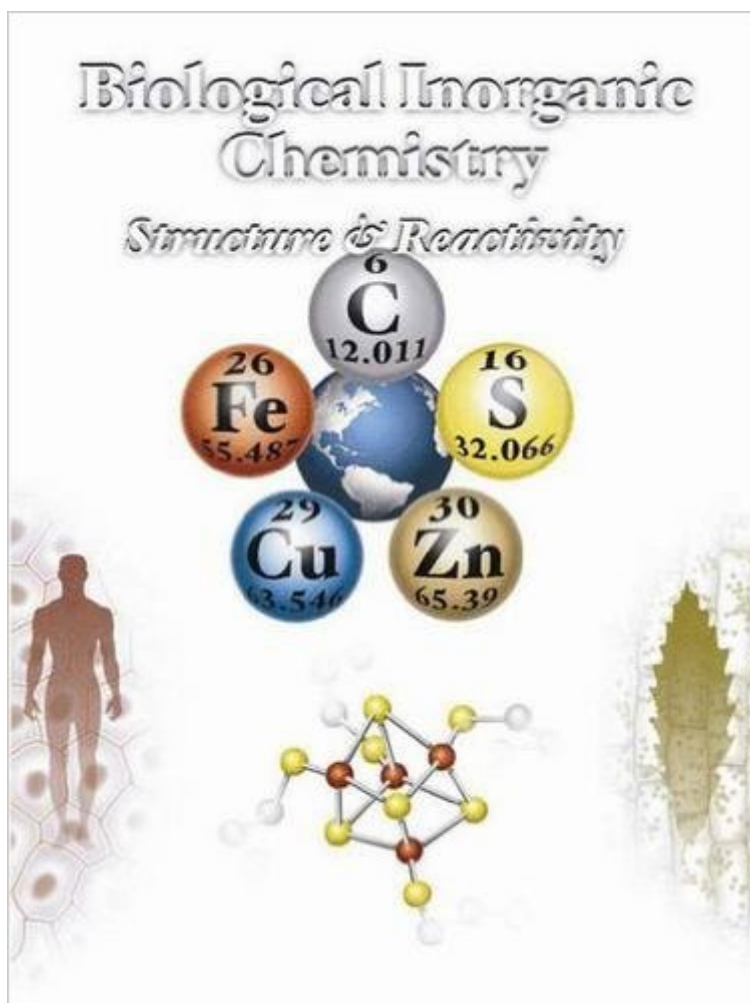


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# Biological Inorganic Chemistry: Structure And Reactivity



## Synopsis

The long awaited text for 21st century courses in biological inorganic chemistry is now available. Organized and edited by Ivano Bertini, Harry Gray, Ed Stiefel, and Joan Valentine, with contributions from many other world leaders in the field, this all-new book is equally appropriate for graduate or senior undergraduate courses in bioinorganic chemistry. The book has been extensively class-tested at Princeton and UCLA, and it includes tutorials in biology and biochemistry and in inorganic chemistry to aid students of varying backgrounds. The main text is divided into two parts. Part A, *Overviews of Biological Inorganic Chemistry*, sets forth the unifying principles of the field. A full course in bioinorganic chemistry could be based entirely on this overview section, which is really a book within a book! Part B, *"Metal-Ion Containing Biological Systems,"* describes specific classes of systems in detail. A special feature is the strong connection to the genomic revolution that has dramatically enhanced our ability to define the function of gene products in living organisms. Throughout the book, protein data bank codes are given for structures discussed in the text, and students are encouraged to learn to use the PDB in their courses and research. This exciting new book will be a must read for years to come for all students and researchers interested in the field of biological inorganic chemistry.

## Book Information

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## Customer Reviews

This is a great book that provides fairly detailed insight into structure and reactivity with a particular emphasis on mechanism. Detail regarding structure and geometry of the enzymatic pocket and the role of all of the biochemical "shrubbery" in orienting targets for reactivity provides a great deal of

insight into the role of the enzyme classes and their respective duties in biological systems. Detailed and useful background is provided for those with little experience in inorganic chemistry and metal-ligand interactions with an emphasis on bio-ligands such as the essential amino acids. Useful references to peer-reviewed journal articles add substantial depth to the potential for learning. I highly recommend this book.

This is a great book and very easy to read and understand. I am an inorganic chemist and know nothing about bio, but the book has a good review in the end for those of us who are new to the subject. Also, purchasing from textbookshack was probably one of the easiest transactions of my life. I found out that a friend of mine was going to lend me his book, so I sent the book back and with no fuss at all, got a full refund! I will definitely be using them again!

This book was understandable and had a great section in the end to help you brush up on Biology and Inorganic Chemistry before delving into BioInorganic.

Great reference book for any researcher in this field.

Great book. The Appendixes are very useful!

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