

Foreword

Bioinorganic Chemistry – Special Issue of the Indian Journal of Chemistry, Section A

I am very pleased that in this International Year of Chemistry several of my distinguished colleagues in India have put together a special bioinorganic chemistry issue of the Indian Journal of Chemistry, Sect. A. I am grateful to my very good friend Prof. Shyamalava Mazumdar, and the other guest editors for the invitation to write a few lines of introduction to this special issue.

The field of bioinorganic chemistry is booming, with investigators all the way from the most fundamental areas of physics and chemistry to some of the most exciting areas of biology and medicine. The 25 articles in this issue, all written by experts, cover much of this ground. The stars of the issue of course are metals, with emphasis on molybdenum, iron, and copper, but also including calcium and a few key lanthanides. There are outstanding papers on protein structure function relationships, probes of structure and dynamics, metal transport, biomimetic model systems, theoretical formulations of the structures of active sites, and the photochemistry of DNA. The collection is representative of current work at the interface of inorganic chemistry and biology, and I offer my congratulations to the guest editors for this important contribution to the literature of our field.



Harry B. Gray
California Institute of Technology
February 2011