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DESCRIPTION

The *Journal of Inorganic Biochemistry* is an established international forum for research in all aspects of *Biological Inorganic Chemistry*. Original papers of a high scientific level are published in the form of Articles (full length papers), Short Communications, Focused Reviews and Bioinorganic Methods. Topics include: the chemistry, structure and function of metalloenzymes; the interaction of inorganic ions and molecules with proteins and nucleic acids; the synthesis and properties of coordination complexes of biological interest including both structural and functional model systems; the function of metal-containing systems in the regulation of gene expression; the role of metals in medicine; the application of spectroscopic methods to determine the structure of metallobiomolecules; the preparation and characterization of metal-based biomaterials; and related systems. The emphasis of the Journal is on the structure and mechanism of action of metallobiomolecules.

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INTRODUCTION

The *Journal of Inorganic Biochemistry* is an established international forum for research in all aspects of Bioinorganic Chemistry and its applications, with emphasis on the molecular mechanisms of interactions of metals and metalloids, as well as inorganic nanomaterials, with biomolecules. It is a multidisciplinary journal where original papers of a high scientific level are published in the form of Articles (full length papers), Short Communications, Focused Reviews and Bioinorganic Methods.

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- the chemistry, structure and function of metalloenzymes;
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- the application of spectroscopic methods to determine the structure of metallobiomolecules;
- the preparation and characterization of metal-based biomaterials;
- the mechanisms of metals and metalloids toxicity;
- the chemistry of metals in environment;
- the synthesis and properties of coordination complexes of biological interest including both structural and functional model systems.

The emphasis of the Journal is on the structure and mechanism of action of metallobiomolecules.

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Original papers of high scientific level are published in the form of Articles (full length papers), Short Communications, and Focused Reviews. Topics include; the chemistry, structure, and function of metalloenzymes; the interaction of inorganic ions and molecules with proteins and nucleic acids; the preparation and properties of coordination complexes of biological interest including both structural and functional model systems; the role of metal-containing systems in the regulation of gene expression; the application of spectroscopic methods to determine the structure of metallobiomolecules; the function of trace elements in living systems; and related subjects.

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