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.

Topics include:

- the chemistry, structure and function of metalloenzymes;
- the interaction of inorganic ions and molecules with proteins and nucleic acids;
- the function of metal-containing systems in the regulation of gene expression;
- the role of metal-based compounds/constructs in medicine, including theranostics and multimodal imaging agents;
- 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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- the chemistry, structure, and function of metalloenzymes;
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- 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;
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