



Advances in Metal Binding Proteins

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Message from the Collection Editor

Everyone knows that the functioning of any biological system is impossible without metal ions. Metal ions play several major roles in proteins: structural, regulatory, and enzymatic. Strong binding of some metal ions increases the stability of proteins or protein domains. Metal ions are an essential part of many enzymes and are indispensable in many catalytic reactions.

Studying the interactions of metal binding proteins with proteins of other classes allows us to reach a better understanding of their physiological functions. Modern methods of genetic engineering and knowledge of the three-dimensional structure of metal-binding proteins allow us to study their structure and functions at a new level. The obtained fundamental knowledge can already be used in applied science. Comprehensive reviews or original research articles are most welcome.





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