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Metalloenzyme Modulators and Enzyme Mimics: Synthesis and Applications

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Message from the Guest Editors

This Special Issue addresses our understanding of different modulations of metalloenzymes and enzyme mimics in order to better understand the mechanism behind them About one-third of all enzymes known so far are metalloenzymes, and all major six enzyme classes established by the International Union of Biochemistry, i.e., oxidoreductases, transferases, hydrolases, lvases. isomerases, and ligases, are important members among metalloenzymes, with many different functions in cells. For this reason, they are considered as important drug targets for the treatment of major human diseases. Additionally, over the last few years, we have seen important achievements regarding molecules and their ability to act as mimetics of enzymes, that is, their ability to imitate the function of natural enzymes, thus understanding their active site structure and function. This Special Issue of Molecules welcomes contributions dealing with all aspects of metalloenzymes and enzyme mimics research, including drug design, inhibitors, activators, structure-function relationship, etc.









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Message from the Editor-in-Chief

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