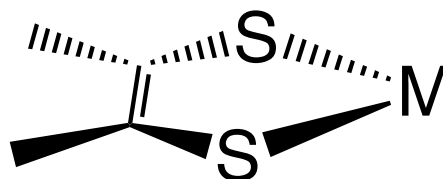


## Complexes of Antipodal Dithione and Dithiolene ligands: New Chemistry from Old Friends.

Partha Basu ([basup@iupui.edu](mailto:basup@iupui.edu)) *Department of Chemistry and Chemical Biology, Indiana University-Purdue University Indianapolis*

The structure and properties of transition metal dithiolene chemistry has long been of interest due to their potential application as useful materials and biological linkage. The concept of redox non-innocence of dithiolenes has been invoked in explaining their properties. Exploiting the redox non-innocent feature, new chemistry has been developed with its antipodal Dithione analogs.



This presentation will focus of development of new molecules, and their application as sensors, and ligand based donor-acceptor molecules will also be discussed.