## **IJARSCT**



## International Journal of Advanced Research in Science, Communication and Technology

International Open-Access, Double-Blind, Peer-Reviewed, Refereed, Multidisciplinary Online Journal

Impact Factor: 6.252

Volume 2, Issue 1, September 2022

## Nitrite Ion (NO<sub>2</sub><sup>-</sup>) is a Good Bridging Ligand: A Short Review

Dr. Subrata Naiya

Department of Chemistry Sushil Kar College, Champahati, Baruipur, South 24 Parganas, West Bengal, India

**Abstract**: A bridging ligand is a ligand that coordinates to two or more metal atoms or ions in a coordination complex, effectively connecting them. These ligands can be either monoatomic or polyatomic. In coordination chemistry, various types of bridging ligands are recognized. Among them, the nitrite ion  $(NO \Box^{-})$  is a notable bridging ligand due to its ability to link two or more metal atoms or ions through its different donor atoms. This text describes the various bridging modes of the nitrite ion and its associated chemistry.

DOI: 10.48175/IJARSCT-8349N

Keywords: Ligand, monoatomic, bridging, coordination

