Available online at **www.joac.info**

ISSN: 2278-1862

Journal of Applicable Chemistry

2016, 5 (5): 1120-1126

(International Peer Reviewed Journal)

Photo Catalytic Degradation of Cobalt Picrate in The Presence of Zinc Oxide

Jabali J. Vora[1*], Laxman S. Bhutadiya[2] and Vikaskumar R. Shukla[2]

1 Department of chemistry, Hemchandracharya North Gujarat University, Patan-384265, Gujarat, **INDIA**
2 Department of chemistry, Sheth M N Science College, Patan-384265, Gujarat, **INDIA**

Email: jabali_vora@hotmail.com

Accepted on 21st August 2016

ABSTRACT

Huge amount of work has been going on in the field of dye, herbicide, insecticide but little work is carried out in the field of metal complexes. Photo catalytic degradation of cobalt picrate was studied in the presence of heterogeneous semiconductor. Various parameters were studied such as effect of concentration, amount of semiconductor, effect of light intensity, effect of pH etc. on solution of cobalt picrate.

Keywords: Photo catalysis, degradation, Zinc oxide, cobalt picrate.