

**PREPARATION, CHARACTERIZATION OF BIMETALLIC
NANOPARTICLES SOAKED ON POLY-IONIC RESINS AND
THEIR CATALYTIC APPLICATIONS**

A Thesis submitted to the University of North Bengal

For the Award of
Doctor of Philosophy
in
Chemistry

By
Debasish Sengupta

GUIDE
Prof. Basudeb Basu

**Department of Chemistry
University of North Bengal
December-2014**