

**Synthesis and Characterization of Silver supported Zinc Oxide and Cerium  
Oxide Nanoparticles and to Study its Synergistic effect on Photocatalytic  
Activity.**

**DISSERTATION**

**CGO-500**

**8 Credits**

Submitted in partial fulfilment of Master's Degree

In Inorganic Chemistry

**BY**

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## DECLARATION

I hereby declare that the data presented in this Dissertation report entitled, **“Synthesis and Characterization of Silver supported Zinc Oxide and Cerium Oxide Nanoparticles and to Study its Synergistic effect on Photocatalytic Activity”** is based on the results of investigations carried out by me in Inorganic Chemistry at the School of Chemical Sciences, Goa University under the Supervision of Dr. Shrikant R. Naik and the same has not been submitted elsewhere for the award of a degree or diploma by me. Further, I understand that Goa University or its authorities will be not be responsible for the correctness of observations / experimental or other findings given the dissertation.

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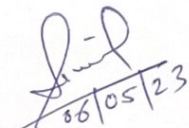
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### COMPLETION CERTIFICATE

This is to certify that the dissertation / internship report **“Synthesis and Characterization of Silver supported Zinc Oxide and Cerium Oxide Nanoparticles and to Study its Synergistic effect on Photocatalytic Activity”** is a bonafide work carried out by Ms. Krutika Mahadev Mainkar under my supervision in partial fulfilment of the requirements for the award of the degree of Master of Science in the Discipline Inorganic Chemistry at the School of Chemical Sciences, Goa University.

  
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