

# Study of Effect of Polymer Supported ZnO-CeO<sub>2</sub> Catalyst for Rhodamine B Degradation

A Dissertation report for  
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Submitted in partial fulfilment of Master's Degree  
M.Sc. in Physical Chemistry

by

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**GOA UNIVERSITY**

**APRIL 2024**

Examined by:

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02/05/2024



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### DECLARATION

I hereby declare that the data presented in this Dissertation report entitled, "**Study of Effect of Polymer Supported ZnO-CeO<sub>2</sub> Catalyst for Rhodamine B Degradation**" is based on the results of investigations carried out by me in the Physical Chemistry at the School of Chemical Sciences, Goa University under the supervision of Dr. Diptesh G. Naik & 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 experimental or other findings given the dissertation.

I hereby authorize the University authorities to upload this dissertation on the dissertation repository or anywhere else as the UGC regulations demand and make it available to any one as needed.

Date: April 2024

Place: Goa University

  
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### COMPLETION CERTIFICATE

This is to certify that the dissertation report “Study of Effect of Polymer Supported ZnO-CeO<sub>2</sub> Catalyst for Rhodamine B Degradation” is a bonafide work carried out by Mr. Dattaraj Naik under my supervision in partial fulfilment of the requirements for the award of the degree of Masters in Science in Chemistry in the Discipline Physical Chemistry at the School of Chemical Sciences, Goa University.



Dr. Diptesh G. Naik

Date: April 2024



Prof. Vidhyadatta M. Shet Verenkar

Dean, School of Chemical Sciences

Date: April 2024

Place: Goa University

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