

**Synthesis and Characterization of Metal Oxide Based Nanomaterials for Photocatalytic Degradation of Textile Dye and Bio-Compatibility Study**

A Dissertation for

Course code and Course Title: CHO-651 & Discipline Specific Dissertation

Credits: 16

Submitted in partial fulfilment of Master's Degree

M.Sc. in Chemistry

by

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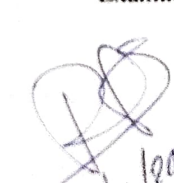
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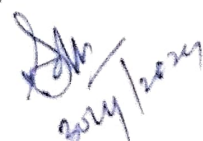
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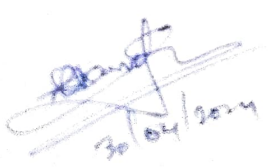


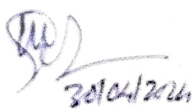
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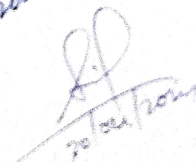
  
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### **DECLARATION BY STUDENT**

I hereby declare that the data presented in this dissertation report entitled, **“Synthesis and Characterization of Metal Oxide Based Nanomaterials for Photocatalytic Degradation of Textile Dye and Bio-Compatibility Study”** is based on the results of investigations carried out by me in Chemistrty Discipline at the School of Chemical Sciences, Goa University under the supervision 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 will not be responsible for the correctness of observations/ 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.



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Date: April 2024

Place: Goa University

## COMPLETION CERTIFICATE

This is to certify that the dissertation/internship report 'Nano-remediation of Textile Dyes Using Monophase Photocatalyst And Composites' is a bonafide work carried out by Ms. Vineesha Saundatkar 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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