PHOTOCATALYTIC DEGRADATION

OF MIXTURE OF AMARANTH AND METHYLENE BLUE DYES

USING MIXED METAL OXIDE NANOCATALYSTS

A Dissertation report for

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by

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April 2023

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DECLARATION

I hereby declare that the data presented in this dissertation report entitled, "PHOTOCATALYTIC DEGRADATION OF MIXTURE OF AMARANTH AND METHYLENE BLUE DYES USING MIXED METAL OXIDE NANOCATALYSTS" is based on the results of investigations carried out by me in Physical Chemistry at School of Chemical Sciences, Goa University under the Supervision/Mentorship of Dr. Pranay P. Morajkar 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 not be responsible for the correctness of observations / experimental or other findings given in the dissertation.

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CERTIFICATE

This is to certify that the dissertation report "PHOTOCATALYTIC DEGRADATION OF MIXTURE OF AMARANTH AND METHYLENE BLUE DYES USING MIXED METAL OXIDE NANOCATALYSTS." is a bonafide work carried out by Ms. Bernice Minoshka Viegas under my supervision/mentorship in partial fulfilment of the requirements for the award of the degree of Masters of Science in Chemistry at School of Chemical Sciences, Goa University.

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