Computational study of reduction of hydrogen peroxide using amide based diaryl diselenide

A Dissertation
Course code and Course Title: CGO-500 Physical Chemistry
Credits: 8
Submitted in partial fulfilment of Master's Degree
MSc in Physical Chemistry
by

MISS POOJA SHITAL HEBRAM

21P049067

Under the Supervision of

Mr. VISHNU RAMA CHARI

School of Chemical Sciences
Physical Chemistry Department

GOA UNIVERSITY

Date: April 2023

Examined by:

Seal of the School

DECLARATION BY STUDENT

I hereby declare that the data presented in this Dissertation / Internship report entitled, "Computational study of reduction of hydrogen peroxide using amide based diaryl diselenide"is based on the results of investigations carried out by me in the Physical Chemistry Departmentat the School of Chemical Sciences Goa University under the Supervision/Mentorship ofMr. Vishnu Rama Chari 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.

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.

MISS POOJA SHITAL HEBRAM

21P049067
Physical Chemistry Department
School of Chemical Sciences

Date: April 2023

Place: Goa University

COMPLETION CERTIFICATE

This is to certify that the dissertation / internship report "Computational study of reduction of hydrogen peroxide using amide based diaryl diselenide"is a bonafide work carried out by miss Pooja Shital Hebram undermy supervision/mentorship in partial fulfilment of the requirements for the award of the degree of **Masters of Sciences**in the Discipline Physical Chemistry at the School of Chemical Sciences, Goa University.

Mr. VISHNU RAMA CHARI
Physical Chemistry Department
Date: April 2023

08/05/2023

Prof. Dr. V.M.S Verenkar
Dean of School of Chemical Sciences
GOA UNIVERSITY

Date: 08/05/2023
Place: Goa University

School Stamp