

*Benchmark study for calculation of redox potential of fluorenone using different basis sets*  
DISSERTATION

CGO-500

8 CREDITS

Submitted in Partial Fulfilment of

The Degree of M.Sc. (Physical Chemistry)

By

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21P049044

Under supervision of

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To

School of Chemical Sciences

*Physical Chemistry*



Goa University

April 2023

Examined by: 



Seal Of The School

**DECLARATION BY STUDENT**

*I hereby declare that the data presented in this Dissertation report entitled, "**Benchmark study for calculation of redox potential of fluorenone using different basis sets**" is based on the results of investigations carried out by me in the Aishwarya Anil Naik at the School Of Chemical Sciences, Goa University under the Supervision of Mr. Vishnu 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.*

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Date: 15 April 2023

Place: Goa University



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MSc in Physical Chemistry

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COMPLETION CERTIFICATE


This is to certify that the dissertation report "**Benchmark study for calculation of redox potential of fluorenone using different basis sets**"

is a bonafide work carried out by Ms Aishwarya Anil Naik under my supervision in partial fulfilment of the requirements for the award of the degree of Masters in science in the Discipline Physical Chemistry at the School Of Chemical Sciences, Goa University.

  
Mr. Vishnu Chari

Msc in Physical chemistry

Date: 15 April 2023

 8/05/2023

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