

# **FeS<sub>2</sub>/Sb<sub>2</sub>S<sub>3</sub> Heterostructure As Anode Material For Li-Ion Batteries**

A Dissertation for

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Submitted in partial fulfilment of Masters Of Chemistry(Physical)

By

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03/05/2024



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### DECLARATION BY STUDENT

I hereby declare that the data presented in this Dissertation report entitled, "**FeS<sub>2</sub>/Sb<sub>2</sub>S<sub>3</sub> Heterostructure As Anode Material For Li-Ion Batteries**" is based on the results of investigations carried out by me in the Physical Chemistry in the School of chemical sciences, Goa University under the Supervision of **Dr. ANJANI P. NAGVENKAR** 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.

Date: 29/04/2024

Place: Goa University

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## COMPLETION CERTIFICATE

This is to certify that the dissertation report "**FeS<sub>2</sub>/Sb<sub>2</sub>S<sub>3</sub> Heterostructure As Anode Material For Li-Ion Batteries**" is a bonafide work carried out by Ms. Siddhika Uttam Gaonkar under my supervision in partial fulfilment of the requirements for the award of the degree of Master of Chemistry in the Discipline of Physical chemistry at the School of chemical sciences, Goa University.

*A. Nagvenkar*

*Dr. Anjani P. Nagvenkar*

Signature and Name of Supervising Teacher

Date: 29/04/2024

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Signature of Dean of the School

Stamp

Date: 29/04/2024

Place: Goa University

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