

**Synthesis and Exfoliation of Sb_2Se_3 by Water Freezing Thawing
Intercalation Method**

A Dissertation Report for

Course code and Course Title: Code CG0-500 & Dissertation

Credits: 8

Submitted in partial fulfilment of Masters Degree

M.Sc. in Physical Chemistry

by

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Under the Supervision of

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GOA UNIVERSITY

May 2023




Seal of the School

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DECLARATION BY STUDENT

I hereby declare that the data presented in this Dissertation report entitled, "**Synthesis and Exfoliation of Sb_2Se_3 by Water Freezing Thawing Intercalation Method**" is based on the results of investigations carried out by me in the Physical Chemistry at the School of Chemical Sciences, Goa University under the Supervision 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.

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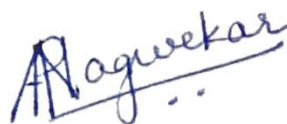

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COMPLETION CERTIFICATE

This is to certify that the dissertation report “**Synthesis and Exfoliation of Sb₂Se₃ by Water Freezing Thawing Intercalation Method**” is a bonafide work carried out by **Mr Yash Damodar Verlekar** under my supervision in partial fulfilment of the requirements for the award of the degree of **Masters** in Physical Chemistry at the School of Chemical Sciences, Goa University.



Dr. Anjani P. Nagvenkar

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Date: 06/05/2023



Prof. Vidhyadatta Verenkar

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