

**Reconstructing Southern Ocean Paleoclimate through analysis of
Fragilariopsis kerguelensis and *Thalassiosira lentiginosa* diatom size
variation**

A Dissertation Report for

GLO 301: Dissertation

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Submitted in partial fulfilment of

Masters of Science

In

Applied Geology

By

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GOA UNIVERSITY

Date: April 2023



Examined by:

Seal of the School

DECLARATION BY STUDENT

I hereby declare that the data presented in this Dissertation report entitled, "Reconstructing Southern Ocean paleoclimate through analysis of *Fragilariopsis kerguelensis* and *Thalassiosira lentiginosa* diatom size variations" is based on the results of investigations carried out by me in the M.Sc. Applied Geology at the School of Earth Ocean and Atmospheric Science, Goa University under the Supervision of Ms. POOJA GHADI, Assistant Professor, 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 or other findings given the dissertation.

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Date: 25 April 2023

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COMPLETION CERTIFICATE

This is to certify that the dissertation "Reconstructing Southern Ocean paleoclimate through analysis of *Fragilariopsis kerguelensis* and *Thalassiosira lentiginosa* diatom size variations" is a bonafide work carried out by Mr. Soumya Parab under my supervision in partial fulfilment of the requirements for the award of the degree of Master of Science in the Discipline Applied Geology at the School of Earth Ocean and Atmospheric Science, Goa University.

Date: 25.04.23



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