

**THE ABUNDANCE OF HETEROTROPHIC AND
PATHOGENIC BACTERIA IN A WATER COLUMN OF
MANDOVI ESTUARY, GOA**

Dissertation submitted to

GOA UNIVERSITY

**IN PARTIAL FULFILLMENT OF THE REQUIRMENT FOR
THE DEGREE OF
MASTER OF SCIENCE**

IN

ENVIRONMENTAL SCIENCE

BY

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Under the supervision of

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APRIL, 2022



DECLARATION

I hereby declare that the work incorporated in this dissertation, in partial fulfilment of the M.Sc. degree is original and has been carried out in School of Earth, Ocean & Atmospheric Sciences, Dept. of marine sciences, Goa University, Goa and it has not been submitted in part or full for other degree or diploma of any other university.

02/05/2023

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CERTIFICATE

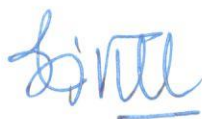
This is to certify that the dissertation entitled as "The Abundance Of Heterotrophic And Pathogenic Bacteria In A Water Column Of Mandovi Estuary, Goa" is a bonafide and an authentic record of the research carried out by Miss. Simran Angelica Gomes, student of M.Sc. Environmet Science, under my supervision and guidance at School of Earth, Ocean & Atmospheric Sciences, Dept. of Marine Sciences, Goa University, Goa, in partial fulfillment of the requirement of M.Sc. Environment Sciences Degree of the University and that no part has been submitted before any other degree or diploma in any other university.

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