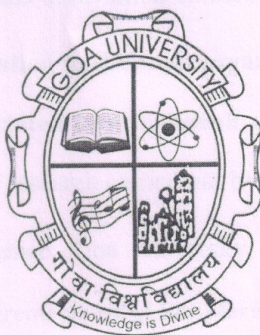


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**Trends in trace metals (Mn, Fe, Zn and Cu) accumulation
in different organs of Indian mackerel '*Rastrelliger
kanagurta*' and associated human health risk assessment**



Dissertation

Submitted to the Goa University
in partial fulfilment of the requirement for the
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in

Marine Sciences

by

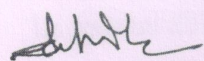
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April 2020

Certificate

This is to certify that the dissertation entitled "**Trends in trace metals (Mn, Fe, Zn and Cu) accumulation in different organs of Indian mackerel '*Rastrelliger kanagurta*' and associated human health risk assessment**" is a bonafide and authentic record of the research carried out by **Ms. Devyani Chakravarty**, student of M.Sc. Marine Science, Goa University, Taleigao Plateau, Goa in partial fulfilment of the requirements of M.Sc. Marine Science degree of this University and that no part has been presented before for any degree or diploma in any other university.



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