



केन्द्रीय अंतर्स्थलीय मात्स्यकी अनुसंधान संस्थान
(भारतीय कृषि अनुसंधान परिषद)



CENTRAL INLAND FISHERIES RESEARCH INSTITUTE

(Indian Council of Agricultural Research)

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Barrackpore, Kolkata 700 120, West Bengal, India

Date: 22.10.2019

Certificate

*This is to certify that the thesis entitled "Genetic diversity and pathogenicity of *Vibrio parahaemolyticus* from fish and shellfish in India", for the award of Ph.D. degree in Microbiology, Faculty of Science, Vidyasagar University, is a record of bonafide investigation carried out and completed by him under joint supervision of myself and Dr. Pradeep Kumar Das Mohapatra, Associate Professor, Department of Microbiology, Raiganj University, Uttar Dinajpur, West Bengal, India. He has carried out the work at the Biotechnology Laboratory, ICAR-Central Inland Fisheries Research Institute, Barrackpore, Kolkata. He has followed the rules and regulations as laid down by the University. The results are original and have not been submitted anywhere for any other Degree or Diploma. The assistance, help and sources of information availed during the course of investigation have been duly acknowledged.*

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