



RAMANANDA COLLEGE

BISHNUPUR * BANKURA

Pin - 722122, West Bengal

UGC Recognized & State Government Aided Institution

Affiliated to Bankura University

(Accredited by NAAC at B Level)

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Date-

POST GRADUATE DEPARTMENT OF BOTANY
(A constituent Unit of Bankura University)

CERTIFICATE

*This is to certify that the thesis entitled "Assessment of growth and nutrient status of indigenous fresh water catfish (*Clarias batrachus* Linn.) in relation to the application of newly isolated probiotics" submitted by Mr. Arindam Ganguly 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 Kr. Das Mohapatra, Associate professor and Head, Department of Microbiology, Raiganj University, Raiganj, Uttar Dinajpur, WB. He has followed the rules and regulation as laid down by the University (Ph.D. Regulation, 2009). 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.*

Asish Mandal 14/1/2019

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