

UNIVERSITY OF NORTH BENGAL

CENTRE FOR LIFE SCIENCES
P.O. NORTH BENGAL UNIVERSITY
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Dr. A. K. Chakravarty

M. SC. (CAL., GOLD MED.) PH.D. (WISCON. U.S.A.)

Professor

IMMUNOLOGY & CELL BIOLOGY LAB

This is to certify that Ms Asha Sinha worked in my laboratory since July 1989 for her dissertation on the topic "The Study of Immune system and responses in an airbreathing cat fish *Clarias batrachus*" for fulfillment of the requirements of the Degree of Doctor of Philosophy (Science) of the University of North Bengal.

She is conversant with the techniques and literature cited in the dissertation and carried out the work thoroughly. It seems that the thesis is fit for submission for Ph.D. and she is worthy for award of the degree.



Dr. A. K. Chakravarty

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