### **DECLARATION BY THE CANDIDATE**

This is to certify that I have carried out the M.Sc Project entitled "**Statistical** optimization of process parameters for the production of fibrinolytic protease from bacillus sp. FF02B strain" under the guidance of Prof. A.K. Mukherjee, in the Department of Molecular Biology and Biotechnology, Tezpur University for partial fulfillment of Master in Science in Molecular Biology and Biotechnology. The thesis embodies accounts for my own findings and has not been submitted previously anywhere for any degree whatsoever by either me or by anyone else.

Date: 26.05.2011

Samannoila Gosti ami

Samanwita Goswami

**MBM09001** 



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#### **CERTIFICATE OF THE HEAD OF THE DEPARTMENT**

This is to certify that Ms. Samanwita Goswami, a student of the department of Molecular Biology and Biotechnology, Tezpur University, Assam has successfully completed the project entitled "Statistical optimization of process parameters for the production of fibrinolytic protease from Bacillus sp. FF02B strain", as a requirement of partial fulfillment of her Master of Science in Molecular Biology and Biotechnology degree, under the supervision of Prof. A. K. Mukherjee, Professor, Department of Molecular Biology and Biotechnology, School of Science and Technology, Tezpur University.

Date: 30 05 11.

(Dr. (Mrs.) Shashi Baruah)

Head of the Department

Place:



#### **TEZPUR UNIVERSITY**

(A Central Govt. University)DEPARTMENT OF MOLECULAR BIOLOGY AND BIOTECHNOLOGY<br/>Tezpur, 784028, Assam, IndiaDr. Ashis K MukherjeePh: 03712-267007/8/9 Ext.5405 (O)ProfessorMobile: +919957184351E-mail: <a km@tezu.ernet.in</th>Fax: 03712-267005/6

#### CERTIFICATE OF THE SUPERVISOR

This is to certify that the thesis entitled "Statistical optimization of process parameters for the prouction of fibrinolytic protease from *Bacillus sp* FF02B strain " submitted to the Tezpur University in the Department of Molecular Biology and Biotechnology under the School of Science and Technology in partial fulfillment for the award of the degree of Master of Science in Molecular Biology and Biotechnology is a record of original research work carried out by Miss. Samanwita Goswami under my personal supervision and guidance.

All helps received by her from various sources have been duly acknowledged. No part of this report has been reproduced elsewhere for award of any other degree.

Date: 27 5/2011

Alchurchand

(A. K. Mukherjee)

Place: Tezpur

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Samanwita Goswami

# DEDICATED TO MY FAMILY