



**TEZPUR UNIVERSITY**  
**(Established by an act of Parliament)**  
**DEPARTMENT OF MOLECULAR BIOLOGY AND BIOTECHNOLOGY**  
**Tezpur-784028, Assam, India**

**A.K.Mukherjee, Ph.D, M.N. A.Sc**

**Ph. 03712-267007/8/9/Ext.5401 (0)**  
**Fax:03712-267005/267006(0)**  
**e-mail:akm@tezu.ernet.in**

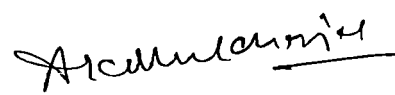
**Professor and Head**

---

**CERTIFICATE BY THE SUPERVISOR**

This is to certify that Ms. Shrutidhara Biswas has worked out the M.Sc Project entitled **“A MUTAGENIC APPROACH TO ENHANCE THE PRODUCTION OF PROTEASE BY *Brevibacillus* sp.AS-S10-II: PURIFICATION AND CHARACTERIZATION OF AN ALKALINE PROTEASE”** under my supervision. She has fulfilled the requirements regulating the nature and prescribed period of M.Sc Project at Tezpur University. The thesis embodied accounts for her own findings and has not been submitted previously anywhere for any degree whatsoever by either her or anyone else.

Date: 04/6/10

  
(Prof. A.K.Mukherjee)

## DECLARATION BY THE CANDIDATE

This is to declare that I have carried out the M.Sc Project entitled "*A MUTAGENIC APPROACH TO ENHANCE THE PRODUCTION OF PROTEASE BY Brevibacillus sp.AS-S10-II: PURIFICATION AND CHARACTERIZATION OF AN ALKALINE PROTEASE*" under the guidance of Prof.A.K.Mukherjee, in the Department of Molecular Biology and Biotechnology, Tezpur University for the partial fulfillment of the Masters in Science in Molecular Biology and Biotechnology. The thesis embodied accounts for my own findings and has not been submitted previously anywhere for any degree whatsoever by either me or anyone else.

**Date:** 03-06-10

*Shrutidhara Biswas*

**Shrutidhara Biswas**  
**MBM08002**

# Acknowledgements

My sincere thanks to my supervisor Prof. A.K.Mukherjee, Head, Dept. of MBBT for confiding in me and accepting me as a project student under him. A hearty appreciation for him also goes for giving me easy access to all facilities in his laboratory as well as elsewhere. His dynamic personality and ability to manage everything in time will always remain as a source of inspiration for me.

I am grateful to all the faculties of MBBT department as well as the technical staffs for their encouragement and support.

Special thanks to Mr. Sudhir Kr. Rai and Mr. Jetendra Kr. Roy for sparing their time and providing me full guidance throughout my project tenure. The advice and help received from Miss Debashree Saikia, Purbalima Bhuyan, Rupamoni Thakur, Ranjita Devi and Debahuti Goswami is duly acknowledged.

I am also thankful to my dear friends Alakesh Das, Sumita Biswas and Rajeev K. Bramha for their enduring help and moral support at any hour of need. I also feel obliged to all my classmates for their co-operation.

Above all I thank God and my parents for making me who I am.

Dated: 03-06-10

*Shrutidhara Biswas*  
(Shrutidhara Biswas)