

TEZPUR UNIVERSITY

(A central university established by an act of parliament)

Department of Molecular Biology and Biotechnology
NAPAAM, TEZPUR-784028
ASSAM, INDIA

Dr. A. K. Mukherjee

Tel: +91 3712 267007/8/9 Ext. 5405(O)

Head

Email: akm@tezu.ernet.in

CERTIFICATE OF THE HEAD OF THE DEPARTMENT

This is to certify that Mr. Rajeev Kungur Brahma, a student of the Department of Molecular Biology and Biotechnology, Tezpur University, Assam has successfully completed the project work, entitled "Molecular cloning and expression of gene encoding proteolytic enzyme from P. tezpurensis sp. nov. (AS-S24-II)" as a part of partial fulfillment of his Master of Science in Molecular Biology and Biotechnology under the supervision of Dr. R. Doley, Assistant professor, Department of Molecular Biology and Biotechnology, Tezpur University.

Place: Tezpur

Date: 29/5/2010

(Prof. A.K. Mukherjee)

Appulchance

Head



TEZPUR UNIVERSITY

(A central university established by an act of parliament)

Department of Molecular Biology and Biotechnology NAPAAM, TEZPUR-784028 ASSAM, INDIA

Dr. R. Doley

Tel: +91 3712 267007 Ext 5412

Assistant professor

Email: doley@tezu.ernet.in

CERTIFICATE OF THE SUPERVISOR

This is to certify that, Mr. Rajeev Kungur Brahma, a student of M.Sc. 4th semester of department of Molecular Biology and Biotechnology has worked out the project entitled "Molecular cloning and expression of gene encoding proteolytic enzyme from Paenibacillus tezpurensis sp. nov. AS-S24-II" under my supervision. To the best of my knowledge the project embodies account of his own findings and no part of it has been submitted previously anywhere for any degree whatsoever by either him or anyone else.

Place: Tezpur

Date:

Assistant professor

OR. ROBIN Professor

Assistant Professor

Assistant Professor

Assistant Professor

Assistant Profession
Assistant Profession
Assistant Profession
Assistant Profession
Blotechnology
Blotechnology
Blotechnology
TEZPUR UNIVERSITY
TEZPUR 784028, Assam
Tezpur 784028,

DECLARATION

I, the undersigned hereby declare that all the work contained in this thesis is my own original work and that I have not previously in entirety or in part submitted this to any university or institute for the award of any degree or certificate.

Place: Tezpur

Date: 29[5] 10

Rajeev Kungur Brahma)

Signature

<u>ACKNOWLEDGEMENT</u>

It gives me immense pleasure to express my deep sense of gratitude to Dr. R.

Doley, Assistant Professor, Department of Molecular Biology and Biotechnology, Tezpur

University, Assam for his valuable guidance, kind advice and constant encouragement

during this study.

My heartiest thanks go to Prof. A.K. Mukherjee, Head, Department of Molecular

Biology and Biotechnology, and other faculties of the Department for their help and

encouragement throughout the course of study.

Further, I would like to thank research scholars Mr. Sudhir Kumar, Rai, Ms. A.

Ranjita Devi, Mr. Jitendra Kumar Roy, Ms. Purbalima Bhuyan, Ms. Rupamoni Thakur,

Mr. Ranjan Dutta Kalita and Ms. Nilakshi Barua who helped and guided me in every

step during the entire period of my work.

Finally, I express my gratitude to all my friends and staff members of the

Department of Molecular Biology and Biotechnology for providing me their unweaving

help and moral support.

Last but not the least, I would like to express my gratitude to my family members

for their source of endless encouragement. I dedicate this work to my father.

Place: Tezpur

Date: 29/5/10

Rojew Kungur Brahma)

Signature