EZPUR UNIVERSITY



(A Central University established by an Act of Parliament) Department of Molecular Biology and Biotechnology NAPAAM, TEZPUR-784028 ASSAM, INDIA

Tel: +91-3712-267007/8/9 Ext. 5402 (O)

+91-3712-267i72 (O)

+91-3712-267316 (R)

Fax: +91-3712-267005/6

B. K. Konwar, Ph.D. (London).

Professor & Head

Email: bkkon@tezu.ernet.in

Certificate of the Head of the Department

This is to certify that Ms. Rachna Goswami, a student of the Department of Molecular Biology and Biotechnology, Tezpur University, Assam has successfully completed the project work entitled "Analysis of the Transmembrane Segments and Signal Peptide sequences in Silicic Acid Transporter Proteins in Diatoms" in partial fulfillment of her Master of Science in Molecular Biology and Biotechnology under the supervision of Dr A.K. Buragohain, Reader, Department of Molecular Biology and Biotechnology, Tezpur University

Place: Tezpur

(B.K. Konwar)

Professor and Head

Dept, of Molecular Biology & Biotechnology TI ZUR UNIVERSITY NAPAAM, TEZPUR-784028

TEZPUR UNIVERSITY



(A Central University established by an Act of Parliament) Department of Molecular Biology and Biotechnology NAPAAM, TEZPUR-784028 ASSAM, INDIA

Tel: +91-3712-267007/8/9 Ext. 5403 (O)

+91-3712-267i72 (O)

+91-3712-221998 (R)

Fax: +91-3712-267005/6

_

Reader

Alak Kumar Buragohain,

Email: alak@tezu.ernet.in

CERTIFICATE OF SUPERVISOR

This is to certify that the work presented in this project entitled "Analysis of the Transmembrane Segments and Signal Peptide sequences in Silicic Acid Transporter Proteins in Diatoms" has been successfully carried out by Ms. Rachna Goswami, an M.Sc. 4th semester student in partial fulfillment of her M.Sc. degree in Molecular Biology and Biotechnology (MBBT), Tezpur University, Napaam, Tezpur-784028, Assam during the period January to June, 2007, under my supervision.

Date: 22-06-07

Place: Tezpur

A- h- Whangohain (Alak Kumar Buraaohain)

ACKNOWLEDGEMENT

First and foremost I would like to express my deepest gratitude to my supervisor Dr. A.K. Buragohain for his guidance, his ideas, his patience and his understanding throughout the course of our project work.

I would like to thank the Head of the Department Prof. B.K. Konwar for his support in everything that we required.

My gratitude also goes to Dr. S.K. Ray for all sorts of critical analysis which would have not been possible without him.

Heartiest thanks go to my project partner Mr. Vijay Kumar Mishra for his constant support and encouragement.

Last but not the least I thank my family for their constant source of encouragement.

(Rachna Goswami)