



तेजपुर विश्वविद्यालय
(केंद्रीय विश्वविद्यालय)

नपाम, तेजपुर - 784 028, असम, भारत

TEZPUR UNIVERSITY

(A Central University)

Napaam, Tezpur - 784 028, Assam, India

CERTIFICATE

This is to certify that the project work entitled "*Development of Isoniazid loaded k-Carrageenan-sodium carboxymethyl cellulose-Montmorillonite beads for controlled drug delivery application*" performed by **Pranjal Protim Das**, in the Department of Chemical Sciences, Tezpur University embodies the original work done by him in the partial fulfillment of the requirements for the award of degree of **Master of Science in Chemical Sciences**. The project meets all the requirements of M.Sc. project. This is an original work which has not been submitted to any other institute, University or Organisation for the award of any degree or diploma to the best of my knowledge and belief.

I wish him all the best and success in life.

(Prof. Niranjan Karak)

Place: Tezpur

Date: 08-05-2012

Head, Department of Chemical Sciences



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CERTIFICATE

This is to certify that the project report entitled “*Development of Isoniazid loaded k-Carrageenan-sodium carboxymethyl cellulose-Montmorillonite beads for controlled drug delivery application*” which is being submitted by Mr. Pranjal Protim Das, a student of semester IV of the Department of Chemical Sciences, School of Science & Technology, Tezpur University, Tezpur 784024, as the partial fulfilment of the requirement for M.Sc. degree in Chemical Sciences under Tezpur University, is a record of bonafide research work carried out by him under my supervision and guidance.

It is certified that the report is the result of him own investigation. The work and the results embodied in this report have not been submitted to any University or Institute for award of any research degree.

Place: Tezpur
Date: 8/5/12

Tarun Bhujar
(Prof. T. K. Maji)

DECLARATION BY THE CANDIDATE

This is to declare that I have carried out the M.Sc. project entitled “*Development of Isoniazid loaded k-Carrageenan-sodium carboxymethyl cellulose-Montmorillonite beads for controlled drug delivery application*” under the guidance of **Prof. T.K.Maji Professor** in the Department of Chemical Sciences, Tezpur University for the partial fulfillment of the degree in **Master of Science in Chemical Sciences**. The report embodied accounts for my own findings and have not been submitted previously anywhere for any degree whatsoever by either me or anyone else.

Date- 08-05-2012

Pranjal Protim Das
Pranjal Protim Das

Acknowledgment

*I express my deep sense of gratitude to my supervisor **Prof. T.K.Maji**, department of Chemical Sciences, Tezpur University for his valuable guidance and motivation.*

*I am also thankful to **Prof. N. Karak**, Head of Department of Chemical Sciences, Tezpur University and all my respected teachers for arranging such a project work and also for their valuable suggestions, guidance and for their support.*

*I am thankful to **Ms. Nibedita Banik**, Research Scholar, department of Chemical Sciences for her valuable guidance and constant encouragement during the work. I wish to thank my family members, lab partners and other friends for their support and help.*

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Pranjal Protim Das
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