DEPARTMENT OF MOLECULAR BIOLOGY AND BIOTECHNOLOGY TEZPUR UNIVERSITY

Tezpur-784 028, Assam, India



Dr. A. K. Mukherjee, M.Sc, Ph.D READER **Ph:** 03712-267172 (O) **Fax:** 03712-267005/6

CERTIFICATE BY THE SUPERVISOR

THIS IS TO CERTIFY THAT MS. SNIGDDHA RANI DAS, A STUDENT OF M.Sc. IN NANOSCIENCE AND TECHNOLOGY, DEPARTMENT OF PHYSICS, TEZPUR UNIVERSITY, TEZPUR, ASSAM HAS SUCESSFULLY COMPLETED THE PROJECT WORK ENTITLED **"COVALENT IMMOBILIZATION OF INDUSTRIALLY IMPORTANT MICROBIAL ENZYMES ON IRON-OXIDE (Fe₃O₄) MAGNETIC NANOPARTICLES: A PROSPECTIVE STUDY" AS A PART OF PARTIAL FULFILLMENT OF HER MASTER OF SCIENCE IN NANO SCIENCE AND TECHNOLOGY UNDER MY SUPERVISION.TO THE BEST OF MY KNOWLEDGE, THE PROJECT EMBODIES ACCOUNT FOR HER OWN FINDINGS AND HAS NOT BEEN SUBMITTED PREVIOUSLY ANYWHERE FOR ANY DEGREE WHATSOEVER BY HER OR ANYONE ELSE**

DATED: 14 June, 2007

Alchulchi (A.K.MUKHERJEE)

PLACE: T.U.

ACKNOWLEDGEMENTS

I would like to thank my supervisor Dr. Ashish Kumar Mukherjee, Reader of Department of Molecular biology and biotechnology, Tezpur University, Tezpur, for his able guidance and constructive criticism to complete my project work in time.

I would like to thank Dr. B.K. Konwar, Head of the Department of Molecular biology and Biotechnology, Tezpur University, Tezpur for allowing me to work in his department. I also thank Dr. Ashok Kumar, Head of the Department of Physics for his help and inspiration in progressing the project work

Moreover, I would like to thank research scholars Sudhir Kumar Rai and Debashree Saikia of Department of Molecular biology and Biotechnology, Tezpur University, Tezpur for their help in completing my project.

I would like to thank all the faculty members and staffs of the Departments of Molecular Biology and Biotechnology and Physics Tezpur University, Tezpur, for their kind co-operation and encouragement throughout my study.

I would like to thank my classmates and my juniors for encouraging and supporting me while preceeding my project

Last but not the least, I would like to thank my parents for inspiring me

Snigdlhan Rani Das Miss. Snigddha Rani Das M.Sc 4th sem Nano Science and Technology

Roll no:- NS-05-09

Dated: