



Tezpur University

Certificate

This is to certify that the thesis entitled “**Biologically functionalized Poly(3,4-ethylenedioxythiophene) based nanocomposite electrodes with enhanced electrocatalytic activity for biosensing applications**”, submitted to the School of Sciences, Tezpur University in partial fulfilment of the requirements for the award of the Doctor of Philosophy in Physics, is a record of original research work carried out by **Ms. Arati Sharma** under my supervision and guidance.

All help received by her from various sources have been duly acknowledged.

No part of the thesis has been submitted elsewhere for award of any other degree.

Signature of Supervisor:

(Prof. A. Kumar)

Designation: Professor

School: School of Sciences

Department: Physics

Date:

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