## PRODUCTION, ISOLATION AND CHARACTERIZATION OF BIOACTIVE METABOLITES FROM

## **ENDOPHYTIC FUNGUS**



## THESIS SUBMITTED FOR THE DEGREE OF

Doctor of philosophy

In

Biochemical Engineering

Under the Guidance of

Prof. Mira Debnath (Das)

Submitted by

Shiv Kumar Verma

SCHOOL OF BIOCHEMICAL ENGINEERING INDIAN INSTITUTE OF TECHNOLOGY (BANARAS HINDU UNIVERSITY) VARANASI-221005