CERTIFICATE

This is to certify that the dissertation entitled, "STUDIES ON PHOTO-PHYSICAL AND STRUCTURAL PROPERTIES OF DOPED ANTHRACENE LUMINOPHORS PREPARED BY MICROWAVE HEATING" which is being submitted herewith for the award of the Degree of Master of Philosophy in CHEMISTRY of Shivaji University, Kolhapur is the result of the original research work completed by Miss Mrinali Narayan Gharge under my supervision and guidance and to the best of my knowledge and belief, the work embodied in this dissertation has not formed earlier the basis for the award of any Degree or similar title of this or any other University or examining body.

Place: Kolhapur

Date: 30/6/2008

Prof. S.R.Patil Research Guide,

Department of Chemistry, Shivaji University, Kolhapur.

PROFESSOR

DEPARTMENT OF CHEMISTRY

SHIVAJI UNIVERSITY,

KOLHAPUR - 416 004.

PHOFESSON & HEAD DEPARTMENT OF CHEMISTEN SHIVAJI UNIVERSITY.

narkone

COLHAPUB - 416 004.

SHIVAJI UNIVERSITY, KOLHAPUR CHEMISTRY DEPARTMENT



Dr.P.P.Hankare Prof & Head, Department of Chemistry

DST-FIST SPONSORED DEPARTMENT

VIDYANAGAR KOLHAPUR- 416004 (INDIA)

TEL: (0231) 2609391 FAX: 091-0231- 2692333

SU/CHEM/

Date-0/06/08

CERTIFICATE

This is to certify that Miss Gharge Mrinali Narayan is bonified Research Student of Department of Chemistry, Shivaji University, Kolhapur and working under the guidance of Prof. S. R. Patil for M.Phil. Degree. I know her since June 2003. She is honest and has good moral character.

Manhouse

DEPARTMENT OF CHEMISTEN
SHIVAJI UNIVERSITY,
COLHAPUR - 416 004