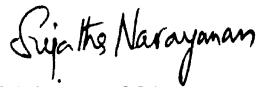


CERTIFICATE

This is to certify that the thesis entitled "**Early Diagnosis of Tuberculosis using Molecular Methods and Cloning and Expression of *oxyR* gene of *Mycobacterium tuberculosis***" submitted to the University of Madras in March 2002 for the award of the ~~degree of~~ **Doctor of Philosophy** is the original and independent work of **P.Vijayalakshmi, M.Tech.** carried out in the Department of Immunology, Tuberculosis Research Centre, ICMR, under our supervision. This is also to certify that this thesis has not formed previously the basis for the award of any degree, diploma, associateship, fellowship or other similar titles.



SUPERVISOR
Dr. P. R. NARAYANAN
DIRECTOR,
Tuberculosis Research Centre,
ICMR,
Spur Tank Road, Chetpet,
CHENNAI - 600 031.



CO-SUPERVISOR
DR. SUJATHA NARAYANAN
ASSISTANT DIRECTOR,
Tuberculosis Research Centre,
ICMR,
Spur Tank Road, Chetpet,
CHENNAI - 600 031.