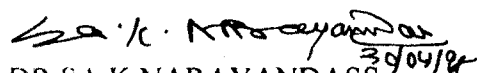


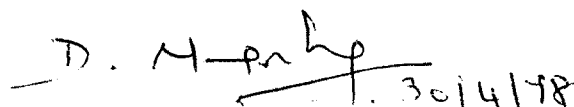
CERTIFICATE

This is to certify that the thesis entitled **Preparation, characterization and applications of some conducting polymers and blend films**, is a record of original research work done by **S. SAKTHIVEL** in the Thin Film Laboratory, Department of Physics as a Full-time research scholar during the period of study April 1994 to April 1998, under my guidance and supervision for the award of the Degree of **DOCTOR OF PHILOSOPHY in THIN FILM PHYSICS**. I further certify that this research work has not previously formed the basis for the award of any other Degree or Diploma or Associateship or Fellowship or other similar title to any candidate of this or any other University.

Countersigned


DR. S.A.K. NARAYANDASS
PROF. & HOD I/C
DEPARTMENT OF PHYSICS
BHARATHIAR UNIVERSITY
COIMBATORE - 641 046
INDIA

Signature of Guide


DR. D. MANGALARAJ
READER
DEPARTMENT OF PHYSICS
BHARATHIAR UNIVERSITY
COIMBATORE - 641 046
INDIA