

Madurai 625019
05-12-2014

CERTIFICATE

This is to certify that the thesis, entitled **“ESR STUDIES ON PERMEABLE AND IMPERMEABLE NITROXYL RADICALS USED IN IMAGING TECHNIQUES”** submitted to the Madurai Kamaraj University, in partial fulfilment of the requirements for the award of the Degree of **Doctor of Philosophy in Physics** is a record of original research work done by **M. KUMARA DHAS, M.Sc., M.Phil.**, during his research period in the Department of Physics, N.M.S.S. Vellaichamy Nadar College, Nagamalai, Madurai-625 019, under our supervision and guidance and the thesis has not formed the basis for the award of any Degree/Diploma/Associateship/Fellowship or other similar title of any candidate of any University.

Dr. A. Jawahar
Co-Guide

Dr. A. Milton Franklin Benial
Guide