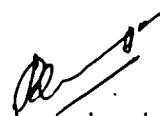

Dr. M.R.Prathapachandra Kurup
Head, Department of Applied Chemistry

CERTIFICATE

This is to certify that the thesis entitled **SPECTRAL, STRUCTURAL AND BIOLOGICAL STUDIES OF SOME METAL COMPLEXES OF ⁴N-SUBSTITUTED 2-BENZOYLPYRIDINE THIOSEMICARBAZONES**, submitted to the Cochin University of Science and Technology, Kochi, by **Ms. MARTHAKUTTY JOSEPH**, in partial fulfillment of the requirements for the Degree of Doctor of Philosophy, is an authentic record of the original research work carried out by her, under my guidance and supervision, in the Department of Applied Chemistry and has not been included in any other thesis or submitted previously for the award of any other degree.


M.R. Prathapachandra Kurup
(Supervising Guide)

Kochi-22
19th July 2004

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DECLARATION

I hereby declare that the present work entitled "SPECTRAL, STRUCTURAL AND BIOLOGICAL STUDIES OF SOME METAL COMPLEXES OF ⁴N-SUBSTITUTED 2-BENZOYLPIRIDINE THIOSEMICARBAZONES" is an original work done by me under the guidance of **Dr. M.R. Prathapachandra Kurup**, Professor and Head of the Department of Applied Chemistry, Cochin University of Science and Technology and has not been included in any other thesis or submitted previously for the award of any other degree.



Marthakutty Joseph

Kochi-22

19th July 2004

To my

Beloved father and my late mother