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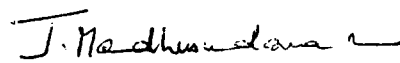


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CERTIFICATE

This is to certify that the thesis bound herewith is an authentic record of the research work carried out by Ms. Sheela P. Nair, M.Sc. under my supervision in partial fulfilment of the requirements for the Degree of Doctor of Philosophy of the University of Kerala and further that no part thereof has been presented before for any other degree.


J. Madhusudana Rao
Supervising Guide

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DECLARATION

I hereby declare that this thesis is a bonafide record of research work done by me and that no part of the thesis has been presented earlier for any degree, diploma or similar title of any other university.

August 1991
Trivandrum

Sheela P. Nair
SHEELA P. NAIR