STATEMENT

I hereby declare that the matter embodied in this thesis is the result of investigations carried out by me as a research student of the School of Chemistry, University of Hyderabad, Hyderabad under the supervision of Professor D. Balasubramanian.

In keeping with the general practice of reporting scientific observations, due acknowledgement has been made wherever the work described is based on the findings of other investigators.

(Ch. Mohan Rao)