## **STATEMENT**

I hereby declare that the matter embodied in this thesis is the result of investigations carried out by me in the School of Chemistry, University of Hyderabad, India under the supervision of Prof. M. V. Rajasekharan.

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

Govindu Gari Bhargavi