Statement

I here declare that, the overall material contained in this thesis is the outcome of research accomplished by me in the School of chemistry, University of Hyderabad, Hyderabad, India, under the supervision of Dr. Perali Ramu Sridhar.

In keeping with the general trend of reporting scientific observations, due acknowledgements have been made wherever the work described is based on the findings of other investigations. Any omission, which might have occurred by oversight or error, is regretted.

Venukumar Patteti

Hyderabad
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