I hereby declare that the matter embodied in this thesis is the result of investigations carried-out by me in the School of Studies in Chemistry, Pt. Ravishankar Shukla University, Raipur, under the supervision of Dr. G.S. Pandey.

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.

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Dated: 30-07-1996

(KU. ANITA SAVANT)