DECLARATION

The research-work embodied in this thesis has been carried out in the laboratories of the Department of Chemistry, University of Delhi under the supervision of Dr. Akhilesh Kumar Verma. The extent of information derived from the existing literature has been indicated in the body of the thesis at appropriate places giving the source(s) of information. The work is original and has not been submitted in part or full for any other diploma or degree of this or any other university.

I owe a deep sense of gratitude to my research supervisor Dr. Akhilesh Kumar Verma for his guidance, invaluable suggestions, constant help and encouragement and showing faith on me throughout the course of this research-work.

A brief summary of the work is appended. It is needless to say that I stand solely responsible for the errors/mistakes that might have occurred in this work, despite all precautions taken to the best to my ability.

(MEGHA JOSHI)