ACKNOWLEDGEMENTS

My gratitude to my teacher and guide Dr. L.D. Pathe, Department of Chemistry, is greatest of all. I should like emphatically to point out that he had been responsible for introducing me to the field of research. The semantic discipline as set forth in these pages is primarily due to him. Without his interest and encouragement the present work, of course, would have been impossible.

I gratefully record my sincere thanks to Dr. D.D. Goswami, Dr. A.C. Choudhary and Dr. B.D. Mali for many helpful discussions.

I am thankful to the former and present heads of the Department of Chemistry for providing facilities. I am also thankful to Principal, Dr. S.V. Ratnalikar, and my colleagues of Department of Chemistry, S.S. Science College for their encouragement.

Thanks are due to Shri T.S. Surase and Shri W.R. Mahajan for excellent work in typing the thesis.

To my sister-in-law, Mrs. Chitra Sharma, my obligation is unique.

Sharma

July 1984.

(G.N. SHARMA)