ACKNOWLEDGEMENT

Mere words may fail to express the feelings and emotions that I harbor with profound thanks and gratitude for all those who helped me to achieve the goal. Let me unburden my heart to say a few words of thanks.

At very outset I express my devout sense of gratitude to my well-meaning and resourceful guide Dr. S. S. Kharat, Principal, PES’s Modern College, Ganesh Khind, Pune-411 007. Let me admit with open arms that it is mainly due to his inspiration, keen interest, guidance and constant encouragement during the period of my research work. With their guidance, encouragement, sound criticism of results and inspiring discussions, present work has been completed successfully. Their truly scientist intuition has made them as a constant oasis of ideas and passions in science, which exceptionally inspired and enriched my growth as a student and a researcher want to be. I entirely owe my success to both which could bring about a healthy change in my views.

I am very much thankful to my former guide Dr. Meena Katdare for sharing valuable insights in the relevance of the study to basics of the technology and the stimulating discussions.

My sincere thanks also go to former Director BCUD and Vice Chancellor, Dr. Vasudeo Gade with special attention for acknowledging my research work. I wish to record special thanks to Dean, Science faculty Dr. K. C. Mohite, for timely support. My special thanks are due to Dr. Rajendra Suryawanshi for constant follow up of the submission of the thesis. I also thank Dr. V. B. Gaikwad, Director, BCUD for unconditional support.

Appreciate positive approach of the committee members for allowing me the submission of the thesis beyond all controversies.

My sincere thanks are to all Directors of the Institute of Toxicological Studies, (INTOX), (Late) Dr. S.M. Katdare, Dr. P. Y. Naik, Dr. Narendra Deshmukh and Dr. M. P. Pore for their valuable support. Without the monetary support of INTOX, it was simply a hard job to complete this work. I must acknowledge with deep appreciation and gratitude to all authorities of MES society and Abasaheb Garware College, Teaching, non-teaching staff and friends for their unselfish and unfailing support for my research.

My special thanks to Miss. Trupti who helped in typing, tabulating the results, graphs, photographs without hesitation around the clock so many times. It will not be easy task to repay a debt of benevolence and good-will in terms of thanks but can only
feel gratitude, deep inside for the same.

I feel sorry that my parents are no more to see my achievements.

Last but not the least; I would like to thank my family. The constant inspiration and guidance kept me focused and motivated. It fills my heart with joy to get this opportunity to express gratitude to my in-laws, Shri. Vinayak & Sou. Shalini Khisti. I am indeed very thankful to my wife Ujwäl for constant devotion, attention, adjustments, enthusiasm and constant co-operation for this study. I owe my loving thanks to my sons Deven and Rutuj. They have lost a lot due to my research. Without their encouragement and understanding it would have been impossible for me to finish this work. The constant love and support of my brothers is sincerely acknowledged for their loving support.

I would like to thank everybody who was important to the successful realization of thesis, as well as express my apology that I could not mention personally one by one.

Finally, my greatest regards to the Almighty for bestowing upon me the courage to face the complexities of life and complete this project successfully.

Vasant Narke