ACKNOWLEDGEMENT

Words can never supersede actions. These few words of thanks can never equate the genuine efforts put in by many people instrumental in the achievements of these landmarks in my life. I wholeheartedly offer my words of gratitude towards the people who have contributed to this consummation.

I would like to convey my profound sagacity of appreciation to my esteemed research guide Dr. Dhananjay V. Mane, Associate Professor, Department of Chemistry, Shri. Chatrapati Shivaji College, Omerga, for his keen interest, helpful discussions, creative ideas, unfailing advice and considerate understanding. I also thank him for giving me freedom to work and for encouraging independent thinking. I am indeed fortunate to have worked under his able, super active leadership. I am indebted to him for the energy, knowledge and professionalism that he brought in me during the course. I thank him not only for strengthening me directly and indirectly in many ways, but also for changing my basic outlook towards life.

I am also thankful to Principal Dr. N. D. Shinde and Dr. V. S. Ingale, Head of Department of Chemistry, Shri. Chatrapati Shivaji College, Omerga, Dist. Osmanabad for providing necessary facilities and kind help to complete this work.

I do wish to thank most cordially of Prof. Dr. M. S. Shingare, Former Head of Dept. of Chemistry, Prof. Dr. R. A. Mane, Prof. Dr. B. R. Arbad and Prof. Dr. C. H. Gill, Professor and Head, Department of Chemistry, Dr. Babasaheb Ambedkar Marathwada University Aurangabad for providing me the departmental laboratory and other facilities.

I am highly thankful to Dr. B. B. Shingate and Mr. Ravi S. Balaskar, Department of Chemistry, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad for their continuous support and kind co-operation.
I am highly thankful to Dr (Mrs.) R. Krishnamurthy, Ex-Director, Dr. M. V. Garad, Director, and Dr. M. K. Malve, Joint Director, Directorate of Forensic Science laboratories, Mumbai for their continuous persuasion, support and kind co-operation during the course of this work.

I am highly thankful to Dr. D. B. Shinde, Head of Department of Chemical Technology, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad for his continuous support and kind co-operation.

I thank the office staff and Department staff for their co-operation; I would like to thank my colleagues from Forensic Science laboratory for their time to time help and co-operation.

My family has been strong pillars of support for me and they have always encouraged me. Words are inadequate to express my eternal gratitude for their love. I thank them all for their never ending support and the sense of security they have given when I needed the most.

At last, I bow down to this University for refinishing the state of art knowledge in me and exploring me to the fascinating world of research.

Krishna V. Kulkarni