ACKNOWLEDGEMENT

Knowledge is best gained under the guidance of an able teacher. In my quest I was lucky to have secured the efforts and guidance of one of the best teacher of this region Dr. P. Y. Bhogaonkar, Deptt. of Botany, G.V.I.S.H., Amravati. It has been primarily due to her patience and painstaking efforts that I have been able to successfully pass these onerous efforts through with considerable ease.

My sincere thanks are also towards Dr. K. M. Kulkarni Director, Higher Education, Pune for his constant encouragement.

I also wish to express my sincere gratitude to Dr. Sharda Ghosh, Director, G.V.I.S.H., Amravati for providing necessary laboratory facilities.

I wish to express my deep gratitude to Mr. Yadao Bhogaonkar for encouragement and affection.

I am very much thankful to Shri. Nitin Kakodkar, Director, Melghat Tiger Reserve, Amravati and his team for their constant help during field work.

I am very much thankful to Dr. S. S. Khadabadi, Principal, Govt. College of Pharmacy, Amravati and Mrs. D. S. Ghorpade, Lecturer, Govt. College of Pharmacy, for their help in antimicrobial studies.

I am very much thankful to Dr. D. D. Khedkar, Lecturer, Shri. Shivaji Science College, Amravati for his unfailing encouragement right through this exercise.

I am very much thankful to Govt. of Maharashtra for awarding the research fellowship and Dr. D.V. Jahagirdar, Secretary, Vidarbha Shikshan Sahayyak Mandal for a grant of research scholarship.
I wish to express my sincere thanks to Dr. K. H. Ingale for her help in text preparation.

I sincerely thank Dr. S.N. Malode, Dr. S. B. Jain, Mr. K. D. Jadhao, Dr. M. R. Wath Deptt. of Botany, G.V.I.S.H. Amravati. My thanks are also due to my friend colleagues Mr. V. N. Chavan and Mr. M. J. Dagwal, for their time to time help and all student friends for their support.

I am deeply indebted to my grandparents Mr. Vasantrao Marathe and Sau. Shalini V. Marathe, my elder brother Shri. Anil Marathe and sister Sau. Alka Kaware who coordinated all my efforts and were an unerring source of wise counsel.

I also convey my thanks to Mr. A. Deore, Dr. S. A. Ahmad, Ms. Y. M. Rajgure, Ku. S. K. Lande, Ku. N. M. Khamare my labmates for their all time support.

I am very much thankful to our laboratory attendants especially Mr. Suresh Bisne who helped me whole heartedly.

How can I forget the invaluable cooperation of Mr. Umesh R. Kanerkar and Ku. Prachi P. Kshirsagar! It was just impossible to complete the project without their help. Especially; the painstaking work of computer type setting.

Lastly I acknowledge all, who helped me directly or indirectly to complete my work.