ACKNOWLEDGEMENT

The thesis entitled “Studies on Chemical characterization and Pharmacological evaluation of some indigenous plants used in herbal medicine” was carried out in the Division of Pharmaceutical Chemistry and Pharmacology, Department of Pharmaceutical Technology, Jadavpur University, Kolkata (W.B.), India.

I wish to express my gratitude to my supervisor, kind-hearted, philosopher and teacher Prof. (Dr.) Upal Kanti Mazumder, Department of Pharmaceutical Technology, Jadavpur University and my sincere gratitude is due to my supervisor Dr. (Mrs.) Malaya Gupta, Emeritus Fellow and Ex-Professor, Department of Pharmaceutical Technology, Jadavpur University, Kolkata, whose encouraging guidance and stimulating discussions have led my work. Apart from scientific stuff, thanks are also due to openmindedness to discuss anything anytime during all these years.

My special thanks go to Prof. (Dr.) S. K. Basu, Department of Pharmaceutical Technology, Jadavpur University, Kolkata, for his constant encouragement and moral support during this period.

I am especially grateful to Prof. (Dr.) B. Sa, Head, Department of Pharmaceutical Technology, Jadavpur University, Kolkata and all my teachers for their encouragement and help during my research work.

Sincere thank are due to my lab-mates Mr. R. Sambath Kumar, Dr. T. Siva Kumar, Dr. Subhas Karki, Mr. Ashok Kumar, Mr. G.P. Senthil Kumar, Mr. R. Suresh, Mr. Tamil Selvan, Mr. G. Chakraborty, Mr. S. K. Mondal, Mr. Uttam Kumar Mondal and Mr. Sumit Sahi, for their cooperation and assistance during my entire stay in Lab.

Warm thanks are due to my friends Mr. Y. Sudhakar, Mr. K. T. Manisenthil Kumar, Mr. Thomas Leonard, Mr. S. Raja, Mr. K. Murugesh, and Mr. Kumarappan for their constant encouragement and help during my work.

I sincerely thank Dr. Ratnamala Roy and the staff of Ashok Laboratory, Jodhpur Park, Kolkata, and Mr. Sanjoy Sanyal of the Department of Geological Sciences, Jadavpur University, Kolkata, for various kinds of help during my investigation.
I have the pleasure in expressing cordial thanks to my friends and roommates Mr. Ajay Kumar, Mr. Prasad, Mr. Harish Kumar, Mr. Vamsi Krishna, Mr. Bala Joshi, Mr. Kiran, Mr. Rajendra, who made my stay in Kolkata happy and comfortable.

I am also thankful to Prof. S.K. Sanyal, Vice-Chancellor, Shri. R. Bandopadhyay, Registrar and Prof. M.K. Mitra, Dean, Faculty of Engineering and Technology for giving me the opportunity to do the research work at this University.

The study was financed by All India Council for Technical Education (AICTE), New Delhi, which is gratefully acknowledged.

I am thankful to the Librarians’ of the Department of Pharmaceutical Technology, Jadavpur University, the Scientist-in-charge, Indian Institute of Chemical Biology (IICB), and Indian Association for the Cultivation of Science (IACS), Kolkata for providing books and necessary journals for this study.

My best and warmest thanks go to my parents, brother, sister, especially my wife, son and daughter, whose affection made me to do my study at Jadavpur University.

I take this opportunity to thank University animal ethical committee for allowing the use of animals for experimental studies.

Finally, I would like to convey my forlorn mind for the soul of innocent mice and rats, without their immolation it was not possible to complete my work.

YERRA RAJESHWAR