

ACKNOWLEDGEMENT

I have the honour to offer my deep sense of gratitude and heartiest thanks to Hon.Dr.(Mrs.) R.S. SALUNKHE, Lecturer, Department of Chemistry, Shivaji University, Kolhapur, for her inspiring guidance stimulating discussions and constant encouragement throiughout the present investigation.

I express my sincere thanks to Prof. R.B. MANE, Head, Department of Chemistry, Shivaji University, Kolhapur, for his keen interest during the research period.

I am thankful to Hon. Vice-Chancellor and Hon. Registrar, Shivaji University, Kolhapur, for making available all possible facilities.

I am highly obliged to Dr. PRAMOD P. KUMBHAR, Dr. M.T. BACHUTE and Dr. S.D. LOTKE for their immense help during the present investigation.

I express my sincere thanks to Prof. B.M. CHAVAN, Dr. B.M. SAWANT, Dr.J.B. PATIL, Dr. M.D. BHAND, Dr.S.V. KULKARNI, Dr. M.M. SALUNKHE, Dr. M.B. DESHMUKH, Dr. A.K. GUPTA and Dr. P.P. HANKARE for their keen interest and encouragement during the research work. I am thankful to Shri ABHIJIT KADAM, Miss V.K. YADAV, Miss A.S. ADURE, Miss GATARE for their friendly help and encouragement.

My special thanks are due to Dr.P.P. WADGAONKAR (NCL PUNE) Dr.SATYANARAYAN and Mr. ADIVAREKAR (IIT, RSIC), Shri YADANDE, Dr. KUDAV (Bombay University), Mrs. CHAUDHARI (Poona University) for their immense help during the present investigation.

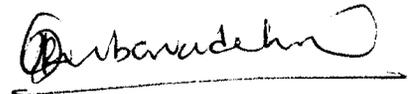
The literature useful to research provided by IIT, Bombay, NCL Pune, Libraries is thankfully acknowledged.

My sincere thanks to ex-principal S.K. APTE, Principal Dr. G.V.KULKARNI, Management and members of staff of B.N. BANDODKAR SCIENCE COLLEGE, Thane, with special thanks to Prof.S.M. SARANG (HOD), Dr. ATUL BEDKAR, Dr. H.R. SETHI, Dr.M.V. RATHNAM, Dr. ATHAWALE, Shri P.G.BAMANE for their kind help and encouragement during research period.

My sincere thanks to Miss GEETA GOSAVI for neat typing, Shri U.K. BARASKAR for accurate and fine tracings and Navrang Mudranalaya, Kolhapur for nice printing and binding.

The financial assistance from the UGC New Delhi, in the form of a Teacher Fellowship is gratefully acknowledged.

I am deeply grateful to my parents, relatives, in-laws Raju and Naru and friends specially to my brothers Kerba, Narayana and Dashratha and sisters for their constant encouragement throughout my academic career. I am also thankful to my wife Mrs. ROHINI for looking after kids during my study leave.



DEVAPPA R. AMBAVADEKAR