ACKNOWLEDGEMENT

It gives me great pleasure to express my deep sense of gratitude towards Dr. R.H. MEHTA, Reader in Chemistry, Department of Chemistry, Faculty of Science, M.S. University of Baroda, Baroda' for suggesting the problem and valuable guidonce with encouragement throughout the work.

I wish to express my special thanks to Prof. P.K. Bhattacharya, Chemistry Department, M.S. University of Baroda, Baroda for showing keen interest in this work. I am also thankful to Prof. A.C. Shah, Head, Chemistry Department, M.S. University of Baroda, Baroda for his kind and sympathetic attitude.

I am grateful to Shri S.S. Madhava Rao for microanalysis and PMR spectra of the compounds, Smt. Sushila Amin for IR spectra. Thanks are due to R. & D. Department, Indian Petrochemical Corporation Ltd., Baroda for carrying out Mass spectra.

Thanks are due to Central Drug Research Institute, Lucknow, for carrying out the biological screening and also to Prof. K.K. Rao, Head, Microbiology Department, M.S. University of Baroda, Baroda for giving facilities for biological