ACKNOWLEDGEMENTS

The benevolent guidance rendered by my supervisor Dr. J. Tirumala Rao, Reader in Chemistry of this Vishwavidyalaya is acknowledged. I am thankful to Dr. S.P. Banerjee, Professor and Head of the Department for the facilities.

I am grateful to the Central Drug Research Institute, Lucknow for providing the NMR spectra and elemental analysis of the samples and, to the Regional Sophisticated Instruments Centre, Nagpur for providing the IR spectra of the compounds.

I would like to thank Ms Sanjita Kesari, Ms Kiran Jain and Dr. Sudhir Jain, Microbiology Laboratory, Botany Department and Mr. Ashok K. Shakya, Demonstrator, Pharmacy Department for their help and cooperation in carrying out the antimicrobial studies. I am also thankful to other research scholars in Chemistry particularly Mr. O.P.S. Mondhe, Ms Vinita Pawar, Ms Preeti Agrawal and Ms Rashmi Joshi.

Personal debts are most difficult to acknowledge in formal terms. Yet, I pride in making special and grateful mention of Dr.(Mrs) Sulochana Iyer, Shri Girish Vitthal, Mrs. J. Kiranmayi Rao, Ms Manju Pandey, Ms Anupama Jammula and Ms J. Mamta Rao.

And penning a word of thanks or acknowledgers to Maa - Chacha (mother and father in-law), Gappu Bhaiya (brother in-law), Nanaji - Naniji, my dearest brothers Sandeep-Sujeet and my husband Mr. Ashok Shukla, will only tend to undermine their deep concern, love and affections for me which I won't dare. Therefore, no words for them.

Finally, to my Mumma and Pappa, I can only say that whatever I owe, enjoy and achieve, both material and spiritual, are the fruits of their life-long 'Tapasya'.

(Sandhya Mishra)