ACKNOWLEDGEMENT

In laboratory and writing this thesis my ideas have been shaped by several peoples – some of them very well known. Each interaction enriched my experience and added a new dimension to understanding research developmental needs and action required. It is difficult to list every name. First and foremost, I express my deep sense of gratitude to man of dedication and sterling qualities my guide and mentor Dr. B. R. Arbad, Professor, Dept. Of Chemistry, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad. I am deeply indebted to him for being constant invaluable guidance, keen interest, helpful advice, health care and constant encouragement throughout my research work.

I express my sincere thanks to Dr. M. S. Shingare, Professor and head, Dept. of Chemistry, Dr. Babasaheb Ambedkar Marathwada university, Aurangabad for their kind cooperation and providing excellent research facilities at various stages of my research work.

My thanks are due to Dr. T. K. Chondhekar, Dr. M. K. Lande, Dr. R. A. Mane, Shri. S. R. Sonone, Dr. C. H. Gill, Dr. A.S. Rajbhoj for their valuable suggestions and help rendered during the course of this work.

I especially thanks Dr. R. Sambasiva Rao, Dr. G. Nageswara, Andhra University, Waltair, Dr. R. N. Sirsat, Goa University, Goa, Dr. S. P. Pachling, Dr. D. V. Jahagirdar and Dr. M.V. Lokhande for their invaluable suggestions.

I record my gratefulness to Adv. Ganeshrao Dudhgaonkar, President D.S. Mandal, Dr. P. L. More, Principal, Dr. S. L. Sadawarte, Principal, Dr. Prakash Khanale, Vice Principal, Dr. Ashok Khot, Vice Principal for encouraging me to carry on the research activities by extending facilities and cooperation.

I am indebted to Dr. Wamanrao Jadhav, Head, Dept. Of Chemistry, Dr. R.P. Pawar, Smt. Dr. S. B. Tathe, Shri. A.V. Bhang, Dr. N.M. Andurkar, Shri. K. B. Salmote, Shri. N.R. Shinde, Shri.
Studies in metal complexes of some drugs

Abhijit Dhanorkar, Shri. A. L. Shinde, Shri.D.B. Kakde, Santosh Zodpe, Mrs. Soni, Miss. Arshiya, Dr. Shankarwar, Dr. Swami, Dr. Bhusare, Shri. Kotwal D., Bulange M.N., Amir Pathan, Bhawal B.M., Thosare Narayan for their constant encouragement and inspiration.

I specially thankful to Dr. B.S. Solunke, Dr. Ashok Jondhale, Dr. D. G. Palaskar, Dr. B. K. Shinde, Dr. R. S. Kamble, Dr. Anand Manwar, Mohan Sarwade, Sadanand Pundge, Bhunjangrao Jondhale, Sudhir Padghan, Raj Manwar, Sunil Turukmane, Shri Kawale for their moral support.

I immensely grateful to my friends Bhagwanrao Jagtap, Shridhar Ubale, Dr. Sunil Ahirrao, Dr. Sawate Arvind, L. R. Sable, Dr. Suresh Shelke, Dhashrath Tupsundar, Ramakant Daunde, Yeshwant Makrand, Bhimrao Hatkar, Keshav Daunde, Gautam Salve, P. D. Paikrao, Dr. Sudhir Ingale, Sanjay Jadhav, Ramprasad Khandare, Dr. Shatrughan Jadhav, L.B. Makrand, B.H. Sahajrao, Bhaskar Gaikwad, Umakantrao Ubale, Samyak Yuva Manch, Nagarjuna Orgnisation, M. Phule Housing society for their encouragement.

I am thankful to my co-scholars, S.T. Gaikwad, Miss Deore P.M., Mrs. Ruikar S.N., Nilesh Wankhede, Dnyanesh Wankhede, Shri. Pagare for extending required facilities and cooperation during the whole research work.

I am highly grateful to Ajay Gadekar, Pravin Sarpate, Mangesh Bhitre, Nitin Pedgaonkar and Shaikh Abdul Jabbar, Md. Faqruddin for computational typing, calculations & Graphics.

Finally but not the least I thanks my Mother, Sister, J.K. Jamdade, P.K. Khillare, Mrs. Kamal, D.B. Khillare, Mrs. Rama, Mrs. Chaitali, Vijay and Sanjay Khillare for their cooperation, encouragement, love and affection showed on me.

I express my sincere appreciation and thanks to my wife Manisha, daughters Chaitali & Shivali for constant encouragement, enthusiasm and interest in progress of my work.

KHADE B. C.