

ACKNOWLEDGEMENTS

It is with deep sense of respect and gratitude that I wish to thank Dr. Sukh Dev, D.Sc., F.N.A., Director Malti-Chem Research Centre, for his meticulous and inspiring guidance of the entire work. I must also not forget his kind forbearance of my lapses.

It is also a privilege to thank Dr.H.P.S. Chawla, Joint Director, Malti-Chem Research Centre. His timely and practical suggestions were of immense help in maintaining the pace of my work.

It is indeed gratifying to thank Dr.S.C. Bisariya, Dr.M.C. Sriraman, Dr.S.N. Bannore, Dr.C.S. Sharma, Dr.A.K. Kulkarni and Dr. V.K. Singh and all my colleagues for their abundant cooperation.

My special thanks to Shri.V.K. Kulkarni for the benefit of his experience and cooperation and also to the staff of analytical section and Mr.V.D. Joshi. I am also beholders to Shri.Dinesh Shahane for his skillful typing of the thesis. And how can I forget my friends in the hostel who were largely responsible for many lighter moments during the tenure of this work.