ACKNOWLEDGEMENTS

The author feels immensely blissful to grasp this opportunity to express his heartfelt gratitude to his research supervisor Dr. V. Seshagiri, M.Sc., Ph.D., Reader in Chemistry, Sri Krishnadevaraya University, Anantapur whose blessings and guidance made this task feasible.

The author is gratefully indebted to Prof. S. Brahmaji Rao, M.Sc., Ph.D. (Hamburg), Professor of Chemistry, SK University, for his valuable suggestions during every phase of the research work. This great scholar has been a constant source of inspiration to the author.

The author expresses a deep sense of gratitude and indebtedness to Dr. L.K. Ravindranath, M.Sc., Ph.D., Lecturer in Chemistry, SK University, without his generous help, this work would not have been completed. He is thankful to Dr. Syed Ghouse Peeran, Reader in Chemistry, SK University for providing IR data.

The author is deeply indebted to the authorities of Sri Krishnadevaraya University, Anantapur for giving him this opportunity and to CDRI, Lucknow, RSIC, Bombay and RSIC, Madras for providing the required data.

He cherishes forever the love and affection of his parents Sri K.N. Madhava Rao and Smt. K. Sakuntala, whose blessings have elevated him to his present position.
The author expresses his gratitude to his paternal uncle Sri K. Satyanarayana Rao and aunt Smt. Sarojamma. He is also gratefully indebted to his father-in-law Sri M.L. Satyanarayana Rao, LF Auditor and his mother-in-law Smt. M. Kamalamma.

The author invokes affectionate thanks to his better half Smt. M. Subbalakshmi for the encouragement she has given to him throughout the research period. He is also thankful to his sister Miss K. Nagasree.

The author is gratefully thankful to Sri M. Narasinga Rao, State Bank of India, Tadpatri and to Smt. M. Usha. He is also thankful to Sri M. Raghupati and Smt. K. Nagamani.

The author cherishes forever the help rendered by his research colleague Sri P.V. Ramana and Sri J. Padmaraja, his colleague at Government Junior College, Alur, Kurnool District, and Sri V. Sahadevan, SK University. The author is very much thankful to Sri L. Krishna Rao, Advocate, Anantapur.

The author feels it his duty to express his sincere thanks to the Principal and Staff of Government Junior College, Alur, Kurnool District, Andhra Pradesh.