ACKNOWLEDGEMENT

The author wishes to record her deep sense of gratitude and sincerest thanks to Dr. J. B. Baruah, Assistant Professor in Chemistry, Indian Institute of Technology, Guwahati, for his indispensable guidance throughout the entire course of the work.

Sincerest thanks of the author are also due to professors P.K. Sarma, N.K. Baishya, H.K. Das, S.K. Bhattacharjee, O.K. Medhi, K.G. Bhattacharyya and other faculty members and staff in the Department of Chemistry, Gauhati University.

The author is grateful to her colleagues without whose inspiration and co-operation this work could not have been accomplished.

Appreciation is also extended to Mr. A. Sarma and Mr. H. Deka for drawing and Mr. Subrata Das, Miss Subrata Chakraborty of DASSEN COMPUTERS for their patience and skill in typing the manuscript.

Special thanks are due to author's husband Dr. D. C. Deka, Senior Lecturer, Department of Chemistry, Gauhati University, who rendered all sorts
of helps, invaluable suggestions and inspiration that had been indispensable to the author.

It is impossible to express author's indebtedness to her father Mr. Satyendra Mohan Sen, mother Mrs. Usha Rani Sen, mother-in-law late Mrs. Bhagyeswari Deka and brothers and sisters without whose inspiration and encouragement the author would not have come for higher education.

The author is thankful to the authorities of CSIR for financial assistance during the tenure of this work.

Krishna Sen Deka
Ms Krishna Sen Deka
February, 1996