ACKNOWLEDGEMENTS

The author takes this opportunity to express his deep sense of gratitude to Dr. K. V. Suryanarayana, Reader in Geology, Sri Venkateswara University, for suggesting the problem, and for his guidance, constant encouragement, and co-operation throughout the progress of this work. The author is indebted to Dr. L. G. Chakrapani Mudu, Professor and Head of the Department of Geology of the Sri Venkateswara University for providing all the facilities in the laboratory and for his kind interest and help in the successful completion of this work. The author thanks Dr. M. S. Purty, Dr. R. Jagadeeswara Rao, and Dr. G. V. S. Rama Rao of this Department for their help and advice in the various petrochemical calculations and chemical analyses of rocks and minerals. The author is grateful to Dr. B. P. Redhekrishna, Director of Mysore Geological Department, Bangalore, for permitting the author to do reference work in his Departmental Library. Grateful thanks are due to Dr. T. V. Clifford, Lecturer, University of Leeds, England, for the beneficial discussion the author had with him during his visit to this University. The author's warmest thanks are due also to Dr. I. V. Subba Rao (now in Canada on a Post-Doctoral Fellowship) and to
Mr. E. A. V. Prasad who were helpful in discussing some aspects of this thesis. The author wishes to thank his co-research workers Messrs. J. Jagannatha Rao, K. Anjanappa, and B. Saiprasada Rao, for their help in the preparation of this thesis.

The author gratefully acknowledges the financial assistance given by the Council of Scientific and Industrial Research (India) by way of award of a fellowship to him, during the tenure of which the present work has been completed.