ACKNOWLEDGMENTS

I am extremely indebted to Dr. Syed Ashfaq Ahmed, Reader, Department of P.G. Studies and Research in Applied Geology, Kuvempu University, for suggesting the problem and his Supervision during the course. My incomprehensible thanks to him for his cooperation.

I wish to thank Dr. G. Chandrakanta, Chairman, Department of P.G. Studies and Research in Applied Geology, Kuvempu University, for providing the necessary facilities in the department.

My deep sense of gratitude to Prof. K.S. Anantha Murthy, co-ordinator, UGC innovative programme, Department of P.G. Studies and Research in Applied Geology, Kuvempu University, for his invaluable suggestion, constant encouragement and wholehearted support through out my career.

I wish to place on record my sincere thanks to Sri.B.A. Lalgondar, Executive Director, Sri. A.S. Kulageri, Project Advisor, Dr. M.L. Patil, Dy. General Manager Exploration and Sri. J. Kabilavasthu, Manager Exploration and Dr. T.K. Abdul Rahim, Sr. Geologist. The Huttí Gold Mines Co. Ltd for their keen interest and support shown to me during the final stage of this work.

Specially acknowledged are the thanks to Dr. K.N. Chandrashekarappa, Senior Lecturer and Dr. Govindaraju, lecturer for their kind encouragements and valuable moral support.

My sincere acknowledgements to Prof. T.C. Devaraju, Visiting Professor, Kuvempu University, for his encouragement and valuable suggestions.

My special thanks to Dr. C. Krishnaiah, Reader, Research Co-ordinator, OSTC, Mangalore, University for his valuable advice on several aspects.

I wish to thank my colleagues Dr. M. Lingadevaru, Mr. Ganesh and Mr. Vijay Vikram, Huttí Gold Mines Co. Ltd. for their co-operations.

I extend my sincere thanks to Mr. C.V. Raman and Mr. S. Prasanna Kumar, for their help during fieldwork, Mr. H.S. Noyaz Ahamed Khan, Mr. N. Venkatesh, Research scholars for their support.

I am highly thankful to Mr. T.L. Sudhakar, Research scholar, for his co-operation and friendly discussions during the final stage of the work.
I am thankful to Prof. K.S. Angadi, Prof. Prabhudeviah, Prof. P. T. Naghabushan Reddy, Mr. S.L. Arun Kumar, Sri. Chandrappa, Dr. K. Lokesh and Sri. M.E. Patil lecturers, for their co-operation and for their encouragement.

My grateful thanks to Dr. S.K. Basu, Director AMSE, PPOD Geological survey of India, Bangalore and his colleagues Dr. K.S. Godhavari and Dr. Fariduddin for providing XRF data and Sri R. Ananthanarayana for carrying out fluid inclusion studies.

I express my sincere thanks to Prof. C. Srikantappa, University of Mysore for extending the laboratory facility for petrographic analyses.

I wish to acknowledge the encouragement and valuable suggestions of Dr. H.S.M. Prakash, Sr. Geologist GSI, Bangalore, in carrying out my research work.

I am extremely thankful to Dr. S. Govindaiah, Dr. M.S. Sethumadhav and Dr. K.K. Prakash Narashimha, University of Mysore for their help and suggestions in petrographic analyses.

I am thankful to non-teaching staff members Sri. Rajashekarappa, Sri. Sudhakar, Sri Ramesh, Sri Ramachandrappa, and Sri Manjunatha, Department of Post Graduate Studies and Research in Applied Geology, Kuvempu University, for their creative contributions and logistical support.

This work would not have been possible but for the cooperation and moral support of my elder brother Sri. Chandra Kumar and Smt. Shakunthala Chandra Kumar during this period of study. I wish to thank my brothers, Revappa, Krishnappa, Kumar Swamy, Channappa, Venkatesh, Thimmappa, and Krishna Murthy, for their moral support.

My heartfelt thanks to my sisters and their family, Nagarathna Chandrappa, Shakunthala Ramachandrappa and Kumari. Dhanamma for their well wishes.

I owe a word of acknowledgement with love to my beloved mother Smt. Shekhamma Govindappi, who bore with patience all through the period of my research work. Infact I owe this entire thesis to my mother.

Finally, I thank all those who were helped me directly or indirectly to carry out this work.