## **ACKNOWLEDGEMENT**

The author wishes to express her gratitude to Professor S. S. Merh for his encouragement and guidance. Without his constant help at all stages of this investigation, it would not have been possible for her to successfully complete her studies. Her grateful thanks are due to Dr. M. P. Patel of the Department of Geology, M. S. University of Baroda, who provided day to day guidance during field work and also while preparing the thesis. The author also gratefully acknowledges the valuable guidance provided by Dr. N. P. Singh of the O. N. G. C., without which she would not have been able to satisfactorily conduct her microfaunal identification.

Mr. Bahram Bastani, Mr. L. S. Chamyal and Mr.Md.Badrul Islam, these research associates of hers, provided unfailing encouragement and support in moments of despair, and kept her in good spirits. Special mention needs to be made of Mr.Bahram Bastani for his help in the preparation of maps, diagrams and charts.

The guidance and help provided by Dr. M. G. Hardas

(O. N. G. C.) in respect of sediment studies and of Dr. S.

Ganapathi in respect of Geomorphic studies are acknowledged with gratitude.

The author wishes to specially thank Shri Jashwant

Parekh and Shri B. M. Chauhan for the excellent photographic support. Shri R. M. Soni has to be thanked for typing the thesis so neatly. She takes the opportunity to express her appreciation of the interest taken by Kum. Yashoda Pramar in critically going through and correcting the typed manuscript. She would also failing in her duty if she does not thank all her other colleagues in the Department who helped her in many ways from time to time.

Finally, she would express gratefulness to her family members who ungrudgingly provided ancouragement and material support all throughout the period of investigations.