ACKNOWLEDGEMENTS

I owe a great debt of gratitude to my supervisor Dr. M. E. A. Mondal and co-supervisor Prof. T. Ahmad for the much needed guidance during the entire course of the present study. It was their encouragement and keen interest in the subject, which led to the completion of this study in time.

I wish to thank the Chairman, Department of Geology, Aligarh Muslim University, Aligarh for providing the facilities during the period of this work.

The perseverance required to see this work through to completion stem from the interest that I developed as a student during M. Sc. who had the good fortune of being taught and advised by Prof. S. M. Zainuddin, Prof. Iqbaluddin, Prof. S. N. Bhalla, Prof. S. Ahmad, Prof. K.K. Ghauri, Prof. S. H. Israili, Prof. M. Raza of A. M. U., Aligarh.

I am thankful to Dr. A. H. M. Ahmad, Reader, Department of Geology for discussion and providing me petrographic facilities in his sedimentary laboratory. Fruitful discussions with Dr. S. H. Alvi, Dr. R. Umar, Dr. M. S. Khan and Dr. S. A. Rashid, are thankfully acknowledged.

Thanks are due to Dr. Radikharanjan Chakraborty, Principal, Karimganj College, Karimganj, Assam for his supportive role granting me intermittent leaves to execute the work. Thanks are also due to Mr. B. I. Mazumder, Head, Department of Geology, Karimganj College and my colleague Mr. Shakir H. Choudhury of Karimganj College, Karimganj for their encouragement and support at various stages during the study.

Mr. S. M. Sharique Faisal, Mr. Ayaz Ahmad, Mr. Hamidullah Wani, Mr. M. H. A. Khan, Mr. A. S. M. Sayeed of the Department of Geology, A. M. U. Aligarh helped me in a number of ways while carrying out this work. I sincerely acknowledge their cooperation.
My sincere thanks are due to Prof. M. W. Y. Khan, Head, School of Studies in Geology, Pt. R. S. University, Raipur for his logistic support and valuable discussion during the field survey.

Gratitude is expressed to Mr. R. Husain and Mr. Abdulli for preparing the thin sections, Mr. B. Kazmi for providing library facilities and Mr. S. Ahmad for extending the geochemical laboratory facilities of the Department of Geology, Aligarh Muslim University, Aligarh.

The financial assistance received from the Aligarh Muslim University in the form of a University Fellowship (JRF) is gratefully acknowledged.

Especial thanks are due to my brothers Altaf and Iqbal and sisters Mona and Rumana for their constant encouragement and support while carrying out this work.

I am indebted to my parents who in a number of ways provided me the wherewithal. I dedicate this effort to them.

(M. FARUQUE HUSSAIN)