ACKNOWLEDGEMENT

The work as presented involved a lot of field work and laboratory analysis and could be made possible only with the help and support, and the involvement of many people to whom I would like to extend my heartfelt thanks and appreciation.

At the outset, I am very grateful to my supervisor, Prof. Devesh Walia, for giving me the opportunity to pursue my research under his excellent guidance. As a teacher, a mentor and a friend, his guidance, comments and criticisms, discussions, support and encouragement during the entire course of my research are invaluable.

I extend my thankfulness to all the faculty of the Department of Environmental Studies, North-Eastern Hill University, for their kind words of advice and encouragement, and also the office staff for extending their help in every aspect during the entire time.

For their assistance during the field work, I am indebted to Md. Amir Ali, Project Fellow (2010-2013), Department of Environmental Studies, North-Eastern Hill University, Shillong, Francis and Manda, office staffs of Kiang Nangbah Government College, Jowai, my students Edify and Luckystar, Bah Generous, and especially Ma Sowat Laloo and his son Deelevon Pakma.

Getting the samples analysed and interpreting the results would have been impossible without the help and co-operation of my colleagues, Dr. Subrata Choudhury (Principal) and Mr. Fardynand Rumnong both from the Chemistry Department, Kiang Nangbah Government College, Jowai. The analyses of water samples were possible with financial assistance from UGC in the form of a Minor Research Project carried out jointly by the Departments of Chemistry and Geology. I thank Kong Nongbri and Doni of MSPCB, Shillong, Bah Harris and Kong Ranee of Pasteur Institute, Shillong and all the people involved in analysing the water samples.

I would also like to thank all my Principals and my colleagues, past and present, my friends, Biplab in particular, Baia and Double, for their support and encouragement throughout my endeavour. A big ‘thank you’, to all those involved who I may have missed out to acknowledge unintentionally.

It would be incomplete without expressing my gratitude to all my family members, for their endurance and support during the whole ordeal especially my wife, Rida and the kids Risa and Ribok.

Edmund Kitboklang Mawkhiew