ACKNOWLEDGEMENTS

Pursuing a thesis from commencement to completion is an endeavour that cannot be accomplished solely. Even though it would not be possible to name everyone who offered assistance when needed, it would be extremely remiss to not mention certain people who have offered utmost support.

I express gratitude and indebtedness to my supervisor Prof. Sunando Bandyopadhyay (Professor, Department of Geography, University of Calcutta, Kolkata). Over the last few years, it has been a privilege to work with him for different studies and to interact with him closely. With his guidance and a continuous quest for perfection, he has instilled in me confidence and inspiration for better performance. If not for his astute guidance, this thesis would not have seen the light of day.

A deep sense of thankfulness remains toward Dr. Subhamita Chaudhuri (Associate Professor, Department of Geography, West Bengal State University, Barasat) for making me understand the importance of fieldwork in geomorphic studies. Her commitment and enthusiasm have been exemplary and she has always encouraged me to give my best regardless of any given circumstance. I am also thankful to Prof. Lakshminarayan Satpati (Former Head, Department of Geography, University of Calcutta, Kolkata) and Dr. Abhijit Chakraborty (Associate Professor, Department of Geology, Jogamaya Devi College, Kolkata) for giving valuable suggestions related to this work.

I wish to thank Prof. Sumana Bandyopadhyay, Dr. Pratima Rohatgi, Mr. Sudhir Malakar (Former Heads, Department of Geography, University of Calcutta, Kolkata) and Dr. Nilanjana Das (Head, Department of Geography, University of Calcutta, Kolkata), for allowing me to use the facilities of the department.

Special thanks are due to Prof. Amit Dhorde (Associate Professor, Department of Geography, Savitribai Phule Pune University, Pune) and Dr. Anargha Dhorde (Assistant Professor, Department of Geography, Nowrosjee Wadia College, Pune), for guiding me at a very crucial juncture of my career. Prof. Amit Dhorde, in fact, recommended me to my research supervisor.

I feel privileged and grateful to have been able to meet and discuss different aspects of my work with Prof. Avijit Gupta (Honorary Principal Fellow, School of Earth and Environmental Sciences, University of Wollongong, Australia), Dr. Amal Kar (Former Head, Division of Natural Resources and Environment, Central Arid Zone Research Institute, Jodhpur) and Prof. Vishwas S. Kale (Former Head, Department of Geography, Savitribai Phule Pune University, Pune). I have had useful discussions with Dr. Partha Sarathi Chakrabarti (Former Chief Scientist, Department of Science and Technology, Government of West Bengal).

I remain indebted to my almae matres—Sanskrit Collegiate School, Hindu School, Presidency College, Savitribai Phule Pune University and University of Calcutta—all of which have significant contributions in my progress as a researcher.

I take this opportunity to express my gratitude to Council of Scientific and Industrial Research (CSIR), New Delhi. This research work would not have been possible without the research fellowship offered by this organization. I would like to thank Geological Survey of India (Kolkata), Survey of India (Kolkata), National Library (Kolkata), National Remote Sensing Centre (Hyderabad), United States Geological Survey, Irrigation and Waterways Department offices, Government of West Bengal (Baharampur, Krishnanagar, Ranaghat and Shantipur), and libraries of the department of Geography of University of Calcutta (Kolkata), The University of Burdwan (Bardhaman), Presidency University (Kolkata), Lady Brabourne College (Kolkata) and Chandernagore College (Chandannagar) for providing me with the datasets required for this thesis.
I wish to thank Dr. Priyank Pravin Patel (Assistant Professor, Department of Geography, Presidency University, Kolkata) and Dr. Somasis Sengupta (Assistant Professor, Department of Geography, The University of Burdwan, Bardhaman) for their insightful observations, valuable suggestions and helps related to my research. I am especially thankful to Indranil Mondal (Research Fellow, Wildlife Institute of India, Dehradun) for his help with surveying and mapping related issues; Abhijit Ghosh (Research Fellow, Department of Geography, Presidency University, Kolkata) for his assistance with fellowship related concerns; Dr. Swati Mollah (Assistant Professor, Department of Geography, Domkal College, Murshidabad) for her help in the arrangement of accommodation and transport during the field visits; to Manas Kumar Paul (Assistant Professor, Department of Geography, Ananda Chandra College, Jalpaiguri) for arranging my first meeting with my research supervisor, and to Dhriti Sankar Mondal (Assistant Professor, Department of Geography, Bijoy Krishna Girls’ College, Howrah) for accompanying me in the hastily arranged ‘Off-take trail’ in 2012, which was perhaps the most useful field visit in the entire study.

Besides the above, Nabendu Sekhar Kar (Assistant Professor, Department of Geography, Shahid Matangini Hazra Government College for Women, Purba Medinipur), Arindam Sarkar (Lecturer, Department of Geography, Purash-Kanpur Haridas Nandi Mahavidyalaya, Howrah), Raktim Ray (Ph.D. Student, Development Policy and Practise, The Open University, England) and Rekha Biswas (Assistant Professor, Department of Geography, Prasanta Chandra Mahalanobis Mahavidyalaya, Kolkata) deserve special mention for all the help and necessary support.

Many persons have taken part in the field surveys. Among them, I would specially like to mention Atrayee Biswas and Sayan Mandal, who assisted me in the most number of times. I also acknowledge the help received from Amit Biswas, Anindita Mukherjee, Ashis Mondal, Debarka Bhattacharya, Deb Kumar Maiti, Deebrita Ghosh, Dipanjan Das Majumdar, Gostha Biswas, Mouli Das, Nilanjana Ray, Pabitra Mondal, Pankaj Barik, Pritam Kumar Santra, Prodyut Mondal, Raktim Ghosh, Sandip Das, Tanmoy Mondal, Ujjwal Bhandari and many others during the field visits. I would also like to thank Dr. Kapil Ghosh, Ayan Mondal, Soyel Samad Sekh, Sushanta Mohanta and Wakib Hossain for allowing me to use the photographs captured by them.

Thanks are also due to the inhabitants of the Murshidabad, Nadia and North 24 Parganas Districts for their cooperation at various stages of this work.

I am also highly indebted to the non-teaching staffs of the Department of Geography, University of Calcutta for providing me with necessary helps from time to time.

I remain indebted to the Principals of Bhairab Ganguly College (Kolkata) and Dum Dum Motijheel College (Kolkata) and my colleagues of the Geography department in both the colleges, for reducing some of my responsibilities so that I could complete this thesis without any hustle. I also wish to thank my students who assisted me during the fieldworks.

The research would have been incomplete without the backing of my close friends—Palash Roy and Saikat Roy—who may not have understood this work, but stood by me while I was doing it.

Finally, I wish to express my gratitude toward my father, Sri Biswajit Das and my mother, Smt. Banasri Das for their encouragement and constant moral support throughout this work and for bearing with all my fuss, and to my wife Smt. Nibedita Halder for always staying by my side through the ups and downs.

Place: Kolkata
Date: Sayantan Das