

Acknowledgment

This thesis entitled “Studies on Solid-Phase Organic Reactions & Catalysis: Greener Approaches” is by far most significant scientific endeavor in my life and it is my great honor to acknowledge the persons who supported me all through with their help and co-operation for the successful conception of the thesis work.

It is my humble duty and great pleasure to express my indebtedness and respect to my prudent mentor Prof. Basudeb Basu, Department of Chemistry, NBU for his active guidance, painstaking supervision, valuable advice and constant encouragement that he rendered for the present work. His constant vigilance and care has been lavishly bestowed upon me in every stage of this work. He is the key person to steer my academic career in right direction. Any words of gratitude would not be enough to express my thanks for his tremendous support and advice. I would also like to take this opportunity to sincerely thank the better half of my guide, Mrs. Monidipa Basu for her kind words of inspiration.

I take immense pleasure to show great appreciation to all respected teachers of my department, especially Prof. Swapan Kumar Saha, Prof. Pranab Ghosh, Prof. Ashish Kumar Nanda and Dr. Sajal Das. Every meeting with them motivated me more to thrive for success. I do not have enough words to express my gratefulness to my teachers.

I feel pride to have acquainted with all non-teaching staffs like Guru da, Amar Da, Samit Da, Subrata Da, Jogen Da, Amit Da, Sankar Da, Narayan da and also Heera Da; who always stood beside me for constant support and spent a lot of their valuable time to motivate me in my darker hours. I suppose, any word would not fit the gravity to express how indispensable, their presence was for my research. My special thanks to my labmates, Sekhar da, Susmita di, Bablee di, Kinkar, Sujit, Debashish, Samir, Sankar, Prasun and Suchandra for their immense co-operation and co-ordination for the research work which made me capable to adhere to the schedule of the study.

I am also thankful to all other labmates/scholars especially Gourab, Gulmi, Madhurima, Biplab, Ambika, Dipu, Gyan Da, Mainul Da for their continuous co-operation throughout my time at NBU. My heartiest thanks to Abhiseck Saha, Biswasjit Saha, Indradweep Chakrabarty, Neha Choudhury and Nandita Biswas, M.Sc. 4th Semester, 2014 for their assistance during my project work.

I offer cordial thanks to Dr. Goutam De, Chief Scientist & Head, Nano-Structured Materials Division, CSIR-CGCRI, Kolkata, who is an important advisor during my project work and provide me with his valuable support through his scholar Mr. Koushik Bhowmik to facilitate characterization of my samples.

I also express my deep respect to Dr. Debashish Chatterjee, Principal, Tufanganj Mahavidyalaya and all colleague faculties and non-teaching staffs over there for their able advice and supportive ideas. I am also thankful to 'Barobabu' (Ex) Sri Brajodulal Paul of my institute for his never tiring help.

My sincere thanks to Mr. Nitish Biswas, Prof. Raghunath Ghosh and Dr. Minakshi Chakraborty, for their continuous co-operation during the research work.

Words of thanks would be too meager for profound support and blessings rendered to me by my parents Mrs. Arati Roy and Mr. Ramesh Chandra Roy, who remain deprived of my time and attention during the preparation of this thesis. My family, my brothers, my sweet sister-in-law and also my little nephew have always been a constant source of inspiration and energy during my work. I feel pride to take my grandparents name late Narendranath Roy and Bhubaneswari Roy who always remain as my inspirations. I also like to take this opportunity to thank my friends Banani, Anusree, Suranjan, Hossain Aziz, Antara, Sushma, Narottam, Indrajit da and others for their beautiful friendship and support they rendered me always.

I am indebted to my friend Subhanil and also his parents to motivate me throughout my research work.

I would like to convey my thanks to CSIR, New Delhi, for awarding me Junior Research Fellowship and University of North Bengal for providing the infrastructural facilities.

I am really grateful to UGC, Kolkata for giving me the Teacher Fellowship under UGC-FDP programme.

Finally, yet importantly, I would like to express my heartfelt thanks to my beloved husband Mr. Subir Roy for his unending enthusiasm to inspire me at every stage of the research and helping me silently and invisibly to navigate through every obstacle I faced.

Before I finish, I want to express my gratitude to all the chemists, the scientists and research scholars in this field of work whose studies have guided me to complete this work. However, the words might not reach, but I feel it is important to thank my almighty. I have possibly left out the names of many other people who helped me in a way or other during this research work and I express my sincere thanks to all of them.

-Babli Roy