Acknowledgement
Acknowledgements

I take this opportunity to express my sincere appreciation for my supervisor, Dr. Kajal Krishna Rajak for his patience, encouragement, immense support, invaluable guidance and suggestions during the whole period of my Ph.D. During the work he continuously provided me the enthusiasm, vision and wisdom. The guidance received from Dr. K. K. Rajak can not be acknowledged with few words; he has guided and supported mentally, whenever I needed him.

No thanks can be enough to acknowledge the encouragement and support of my parents whose support has made this long journey a joy ride for me.

I gratefully acknowledge the help and cooperation from my lab seniors Dr. Amrita Mondal, Dr. Atanu Banerjee, Dr. Reena Singh and Dr. Sucharita Basak. I also record my sense of appreciation to my labmates Amar Hens and Rupa Sarkar for their continuous help and valuable suggestions and the nice time we shared together.

Words fail me to express my thanks to the boarders of New P G Cum R S Hostel, Jadavpur University, Kolkata, specially my seniors cum friends Debasish da, Surajit da, Soumik da, Probir da and Dipravat da, my roommate Utpal and friends Amar, Biswajit, Ramesh, Sandeepa, Sagar, Swapnadeep, Bikash, Maloy, Rabi, Monojit, Debraj, Dinesh, Sourav, Soumen, Madhusudan, Shib for their nice co-operation and they let me own a happy family in Kolkata.

I also acknowledge the help form Pradip da of Indian Association for the Cultivation of Science (IACS), Jadavpur and Suvendu Maity of Ramakrishna Mission Residential College, Narendrapur and Basab Adhikari, Ujjal Das, Shuvam Pramanik, Tapas Ghorui and Sima Roy in many ways.

It is my pleasant duty to thank present Head Prof. S. C. Bhattacharyya, Section-in-charge Prof. Subrata Mukhopadhyay for providing the departmental and laboratory facilities and to all faculty and non-teaching staff of this department for their helpful attitude and constant encouragement. I would like to mention specially Prof. Samaresh Bhattacharya, Dr. Kausikisankar Pramanik, Dr.
Sujoy Baitalik and Dr. Debajyoti Ghoshal for the unbelievable cooperation and help they have rendered.

I would also like to thank Dr. Prasanta Ghosh of Ramakrishna Mission Residential College, Narendrapur for his help and cooperation.

Finally my special appreciation goes to my fiancée Poulami Ghosh for her encouragement, patience and understanding.

I am thankful to Dr. Deepak Chopra of IISER, Bhopal for his cooperation in many ways.

I wish to thank Parthada of Indian Association for the Cultivation of Science, Kolkata for his help with the measurements with a feeling of gratitude.

I would like to thank everybody who was important to the successful insight of thesis, as well as expressing my apology that I could not mention personally one by one.

Financial assistance received from Council of Scientific and Industrial Research, New Delhi for providing my fellowship is gratefully acknowledged.

Last but not the least I would gratefully acknowledge, Jadavpur University for infrastructural facilities.

(Pallab Mondal)
April , 2013
Department of Chemistry
Jadavpur University
Kolkata– 700 0032, India.