

Acknowledgement

At this outset, I want to convey my heart-felt gratitude to my supervisor, Dr. P. Bandyopadhyay for his constant encouragement and supervision during my entire research work.

I take this opportunity to offer my deep sense of gratitude to all the teachers of our department for their valuable suggestion.

I sincerely acknowledge Department of Science and Technology (DST, Govt. of India) for providing me fellowships and generous financial support. I also acknowledge Council of Scientific and Industrial Research (CSIR), India for providing me Senior Research Fellowship during this work.

A large debt of gratitude is owed to Dr. P. Das, presently in USA, whose valuable suggestions have helped me in various ways throughout the course of this work.

I also express my sincere thanks to Prof. S. Pal, University of Hyderabad for providing laboratory facility and helpful discussion.

Prof. M. Ray, IIT, Guwahati and Prof. A. Ramanan, IIT, Delhi, for helpful discussion. Thanks are also due to Dr. A. Sarkar, University of Hyderabad for their helpful assistance and kind cooperation.

I must not forget to thank and acknowledge Dr. A. Agarwalla and Mr. V. Bagchi of IIT, Delhi for helping me in number of ways. I also like to express my sincere gratitude to Prof. D. Bandyopadhyay, IIT, Delhi, for his valuable suggestions regarding biomimetic oxidation reactions and kindly allowing me to work in his laboratory.

The service rendered by National X-ray Facility at IIT Delhi & IIT Guwahati is duly acknowledged. Facilities obtained from SAIIF (CDRI, Lucknow) regarding C,H,N analysis and Mass spectra is gratefully acknowledged.

I am also indebted to Dr. S. Burman of NISER, Bhubaneswar and Dr. Mithun Roy of I.I.Sc., Bangalore for helping me get numerous rare manuscripts.

I am especially grateful to Dr. R. Bhawmick, St. Joseph's College, Darjeeling and Dr. D.N. Neogi for their unfailing encouragement and helpful assistance from the very beginning of my research work.

I also like to thank Mr. S.S. Chhetri, Mr. A. Sarkar, Mr. A. Saha, Mr. U.S. Agarwalla and Mrs. S. Acharya for their valuable help and kind cooperation.

Special thanks are due to my present lab mates Ms. S. Bose and Mr. A. Pariyar for always being there whenever I sought their help.

I wish to thank all co-research workers of our department for their assistance and encouragement.

I am thankful to all the staffs of Chemistry Department for their friendly cooperation.

Finally I like to express my sincere gratitude towards my mother, sister, brothers and other family members for their love, encouragements and keeping me aloof of the family responsibilities. Carrying out my research work would have been quite impossible without the non-professional but nonetheless essential participation of them.

Achintesh Narayan Biswas
(Achintesh Narayan Biswas)