

ACKNOWLEDGEMENT

At the outset, I would like to express my deepest respect and love to my parents for their support and encouragement throughout my life. They are my eternal source of aspiration and motivation. It is your belief in me that helps me reach this point. I want to dedicate my thesis to you.

I express my most sincere gratitude to my supervisors, Dr. P. Bandyopadhyay, Department of Chemistry, University of North Bengal and Dr. A. N. Biswas, Department of Chemistry, Siliguri College, Siliguri. I highly acknowledge their constant encouragement and supervision during my entire research work.

The thesis would not been possible without scientific support from Professor S. Pal, University of Hyderabad, Professor D. Datta, Indian Association for the cultivation of Science and Dr. A. Choudhury, Missouri S & T, USA.

I express my profound sense of gratitude to all my respected Teachers in the Department of Chemistry, University of North Bengal for their helpful assistance and continual inspiration. I am thankful to all the non-teaching staff of my Department for their cooperation and help.

My special thanks go to my past and present labmates, Dr. Purak Das, Dr. Suvra Acharya, Dr. Satyadeep Singh Chhetri, Dr. Uday. S. Agarwalla, Dr. Suranjana Bose, Dr. Anand Pariyar, Ms. Amritaa Mitra, Ms. Rituparna Dhar, Mr. Kanak Roy and Mr. Sachidulal Biswas for their valuable assistance and cooperation during my research work.

The inspiration, encouragement and whole-hearted cooperation that I received from my friends, is most elegantly acknowledged. Just to name a few, I would like to thank Mr. Shibaji Basak, Mr. Suranjan Shil. Their selfless support and belief made me see this day. I owe you all a lot.

The financial support to our laboratory from DST and CSIR, which let me avail uninterrupted access to GC, HPLC, UV-visible spectrophotometer, CV, and ADF software, is highly acknowledged.

I take this opportunity to acknowledge SAIF-CDRI, Lucknow, AIRF-JNU and SAIF- NEHU, Shillong for providing paid instrumental facilities.

Finally, I would like to record my thankfulness to CSIR (SRF) for providing financial aid to continue my research work.

Ambica Kejriwal
Research Scholar
Department of Chemistry
University of North Bengal
Darjeeling – 734013, WB, INDIA