
Acknowledgement

“...thanks are the highest form of thought; and that gratitude is happiness doubled by wonder.” – G. K. Chesterton

During my research work in University of Kalyani, I have had the opportunity of coming in contact with many persons without whose help and cooperation I could not have completed my works. I would like to convey my sincere gratitude to all who in different ways extended their hands to complete this thesis.

Foremost, I would like to express my sincerest gratitude and thanks to my supervisor Professor (Dr.) Goutam Paul, Professor, Department of Physiology, University of Kalyani and Ex-Dean of Science, University of Kalyani for his continuous support, patience, motivation, enthusiasm, and immense knowledge during my Ph.D. study and research. His guidance helped me in all the time of research and writing of this thesis. I could not have imagined having a better advisor and mentor for my Ph.D. study.

I am thankful to Dr. Subhashis Sahu, Head, Dept. of Physiology, K.U. for his cooperation and support.

My sincere thanks also go to my laboratory colleagues Dr. Kaushik Sarkar, Dr. Panchali Tarafder, Dr. Ami Ghata, Smt. Mukti Mondal, Sri Kamallesh Das, Sanghamitra, Ashma for their cooperation during the thesis work.

Above all I thank all the staff of our department who has extended cooperation with care and understanding during this long journey.

I thankfully acknowledge financial assistance of DST INSPIRE Fellowship, Department of Science and Technology, Government of India in form of fellowships (JRF and SRF).

I cannot express enough gratitude towards my family members, my mother Smt. Kalpana Nath, and my brother Mr. Priyatosh Nath, those who have determined to dedicate themselves to make me successful.

Date:

Place: Kalyani

(Partha Pratim Nath)
