

# Acknowledgements

First and foremost, I offer my sincere gratitude to my supervisor Dr. Dhiren Kumar Basnet for his foresight, invaluable suggestions, continuous encouragement and for being source of inspiration and motivation.

It is my privilege to acknowledge the facilities provided at the Department of Mathematical Sciences, Tezpur University.

I am indeed grateful to all the faculty members of the Department of Mathematical Sciences, Tezpur University for their valuable suggestions and advice.

I gratefully acknowledge the financial support received from the University grants commission(UGC), Government of India through UGC-CSIR NET JRF.

I would like to thank departed soul Late Kuwali Das for constant support during my odd days. I would like to thank Dr. Gautam Kalita Assistant Professor, IIIT Guwahati, Assam and my hostel seniors Ifti da, M.I. da, Monoj da, Rupesh bhaiya and my friends Ajay, Dimpal, Junali, Juti Ba, Kuldeep, Manikanta, Mami, Momina Ba, Nikhil, Nilufar, Pallabi, Parama, Pearl, Suparna and Sougata for their wishes.

There are many more people to whom I owe thanks for their help and support during my stay in this University. I would like to thank the staff of the Department and I am extremely thankful to the cooking staff of SCVRMH.

Finally, I appreciate all of the love, blessings from my parents, borta, borma, khuras, khuris, sisters, brothers and bou. I thank them for their continuous support and never ending faith in me.

Date:

Place:

(Jayanta Bhattacharyya)