

DEDICATION

I dedicate my Ph.D. work to my family. An especial tribute to my mother late Sabitri Kundu who is no more in this world. Her inspiration all through the way has led my feet towards the success.

I also dedicate this work to Dr. Dibyendu Dutta, Scientist/Engineer– 'G' and Group Director (CSG), Earth and Climate Sciences Area, NRSC/ISRO, Balanagar, Hyderabad, India for his noble guidance, constant encouragement and endless scientific supervision to meet my effort to a successful end.