ACKNOWLEDGMENT:

Having an opportunity to acknowledge the help I have had, in completing my research, is really the thing I have been waiting for. In this respect, one can call the whole research work and finally writing it down in the thesis form is a dream-home project. My guide and my family have stood like pillars behind me and extended all kind of helps to carry on with this mammoth task.

I must thank my supervisor Dr. Sujata Bhattacharyya, who has guided me in real sense, all the way long, with hand-in-hand, towards the destiny. I am really inspired by her sincerity, generosity and the way she has helped to pull up from the difficult situations many times. I will remain grateful to UGC for providing me all necessary equipments and financial support to do the research work. In this matter I must also mention some of the names of respected Professors and teachers of Gokhale Memorial Girls' College. They are, principal Mrs. Manidipa Roy, Ex-Teacher-in-charge Mrs. Panchali Dasgupta, and Professors of Physics Dept., who stood beside me to provide moral support for last few years. Also, my brother-in-law, Mr. D.S. Bhattacharyya, scientist at VAECC has encouraged me a lot by helping me practically and morally.

Then, comes the role of my family members, who worked behind the stage to make the thing a success. My husband Mr. Rajarshi Banerjee and in-laws have inspired and supported me and always given priority to my work despite many odds and difficulties.

My parents, Mr. Biman Pathak and Mrs. Pratima Pathak, have played the anchor role, without the cooperation and help of whom, all other efforts would have gone in-vain. My parents have done their utmost, to ease my work and to go ahead, taking all the responsibilities of my children.

My two little sons, Shuvan (2 yrs. of age) and Rayan (7 months of age), have allowed their mother to work though they are too little to stay away from their mother's company. So, I am grateful to them. Two little ones have never allowed me to feel fatigued and bored, and have kept on energising me with their variety of incessant activities.

So, I again thank each and everybody who has been with me.

Kinkini Pathak