Not only infrastructure but propitious milieu is must for original rationalization. It imparts constant motivation to proceed foremost in quest of the intent. Divine and serene milieu of the Dayalbagh Educational Institute, which is full of compassion & awareness for each other always solace one in ones moment of despair. I extend my sense of reverence and gratitude to the great Almighty for giving me the opportunity to work in with this institute for fulfilling fantasy of my life.

Going down the memory lane my deepest regards are due to my research guide, Prof. L.D.Khemani, Head, Department of Chemistry, who galvanized me to take up this project, and guided me throughout the research work patiently & empathetically and gave me the opportunity of working under his valuable supervision. His target and methodical approach made me a scientific researcher to the core.

I candidly acknowledge to Dr. D. K. Hazra, Professor and Head Department of Nuclear Medicine Division, Radio Immunoassay Unit, S.N. Medical College & Hospital, Agra, for his valuable suggestions enriched by his boundless experience of fieldwork made my research work bonafide and conclusive.

I am grateful to Dr. Arvind Lal, Director, Dr. Lal Path Labs Pvt. Ltd, Delhi, for providing his lab facility to me and to the members of his lab, especially Dr. Puneet Kumar Nigam (MD, Consultant Biochemistry) and Rajesh Jain (Head, Biochemistry & Immunoassay) for welcoming and encouraging me.

I am also obliged to Dr. Anil Agarwal and Dr. Richa Kumar, MD in, Wellspring, NPIL Laboratories and Diagnostics Pvt. Limited, Agra, for his help.

My humble thanks are due to Prof. K.K. Dua, Head, Dept. of Zoology, and also Dean Faculty of Science, D.E.I. who granted all the substantive laboratory facilities for completing the research. His presence always energized me to move foremost. I extremely express my gratitude to Dr. Man Mohan Srivastava, Reader, Dept. of Chemistry, D.E.I. who took out of the way interest in my work.

My debt is particularly ample to Prof. V. G Das, the respected present Director of Dayalbagh Educational Institute, Agra.

I wish to acknowledge Prof. A.K. Sinha, Head, Department of Mathematics and Prof. V. P. Bhatnagar, Head Dept. of Botany for his timely invaluable co-operation.

My gratitude would not be complete without recalling the assistance & co-operation of Dr. Pankaj Srivastava, Dr. Sahab Dass, Dr. Rohit Srivastava, Dr. (Mrs.) Maharaj Kumari, Dr. (Mrs.) Shalini Srivastava, Dr. (Mrs.) Anita Lakhani and Dr. (Mrs.) Radhika of Dept. of Chemistry. Their presence was always a source of inspiration.
Co-operation extended by friends and colleagues is gratefully acknowledged. I convey my thanks to Dr. Archana Sachdeva, Dr. Shobita Tonk, Ms. Roli, Ms. Anamica, Mr. Diwakar, Mr. Chanakya, and other research scholars and friends, during the course of this arduous task. I am very thankful to and for helping with all variety of jobs. I am very thankful to Amardeep, Pratibha and Hushnendraj for helping with all variety of jobs.

I am indebted to research scholar Reeti Sharma, Department of Mathematics, D. E. I. for her help during statistically analysis.

It is my pleasure to express my thanks to members of the laboratory staff of the department; Mr. M.S. Pathak, Mr. Ram Kirat, Mr. Ram Niwas, Mr. Radhey Shyam, Mr. Bengali Mr. Ram Vachan and Mr. Vinay for all the help provided by them during the entire course of study.

My sincere thanks are due to Dr. (Mrs.) Sunita Khemani for kind acceptance of intrusion in her family life.

Indeed I find no way to express my deep gratitude and profound reverence to my parents, my loving sisters and dear brother, and specially my Mother & Father without which this dream could not have been true. They all were real source of strength, which in fact empowered me to move against all the odds. All the credit goes to them for what I am today and I am indebted to them.

Finally, I offer my unending gratitude to those silent contributors, who bore the burden of my experiments and went through innumerable sufferings during the process. Here, I am referring to the rats, to whose pain and faultless co-operation, I offer my heartful tribute.

Date: 30/8/06

(Pritee Paliwal)