Acknowledgement

At the behest of compilation of my work, words do not justify the feelings that I hold in my heart. I honestly hope that I manage to express my gratitude to all my well wishers.

I would like to thank my supervisor Dr. Javed Ali. His invaluable suggestions, encouragement, and healthy criticism have been instrumental in completion of this project. Without his efforts and constant support, this project work would not have shaped up the way it is. My deepest regards for him for building up my morale all through the vicissitude of my studies at the college.

Sincere thanks to my co supervisor Dr. Alka Ahuja, for her guidance, encouragement, and moral support all through the study. She has been a constant source of inspiration for me and I hold her in high esteem. It is her keen interest and sincere inputs in the work, which have constantly encouraged me to march forward.

I would like to thank Dr. R. K. Khar for guiding me for this project and for providing with all the facilities in the department.

It is indeed my great pleasure to thank Dr R. K. Sharma, Joint Director, Institute of Nuclear Medicine and Allied Sciences for allowing me to carry out gamma scintigraphy studies and for his constant and timely help in carrying out the studies.

I would be failing if I do not thank Mr. Anil Babbar, Technical officer, Institute of Nuclear Medicine and Allied Sciences, who helped me, learn the radiolabeling techniques and gamma scintigraphy studies.

I am thankful to University Grants Commission, New Delhi for financial support to this project and awarding me senior research fellowship to conduct research project for my Ph. D thesis.
My deepest gratitude to Dr. S. P. Agarwal, Dr. Mushir Ali, Dr. Asgar Ali, Dr Kanchan Kohli, Dr. Sanjula Baboota, Dr. F. J. Ahmed, Dr. Sushma, Ms. Zeenat, Dr Yasmeen for their timely help and support as and when required.

I would also like to thank all my seniors and colleagues Khanna sir, Harmeek, Deepti, Saima, Ajmal sir, Rahul, Ritesh and Biju.

It is said that a good company makes or spoils a person. I was really fortunate to have Jasjeet and Ranju who provided support throughout, no matter how busy they were. I offer my sincere thanks to both of them for always being there for me. I will always cherish their memories in my heart.

It was fun being with my friends Farah, Faraz, Onkar, Wadood, Reni, Showkat, Shoaib, Atif, Tanveer and I thank them all for help and support.

I am indebted to my Papa and I offer my sincere regards and gratitude to him for sailing me at all fronts of my life. It was dream of my mother that I take up higher studies, though she is not with me in person but she would have been the happiest person today to see me complete this work. It is all her blessings.

Thank you Amit for always being there, for u taught me “nothing can resist a determined will”. This was not possible without your support.

I thank The Lord Almighty for giving me the strength, will, and wisdom to carry out the project work successfully.

Lastly I would like to thank all those who helped me directly or indirectly during this project work.

Shweta Arora