

**ACKNOWLEDGEMENT**

It is with earnest sincerity I thank Prof. Dr. Kunthala Jayaraman, Director, Centre for Biotechnology, for all the help she has rendered during the tenure of this project. Her critical discussion, constant encouragement and support was really valuable.

I thank the faculties at the Centre for Biotechnology: Dr. Arun Balakrishnan have been lending a helping hand in establishing the duck embryo fibroblast and his help is invaluable. Dr. P. Kaliraj for his valuable comments on the immunological methodologies and Dr. S. Jayachandran and Dr. E. Sivamani for their discussion and advice on the project.

It was Dr. S. Krishnaswamy of Alved Biologicals, who introduced me to this interesting problem of adenovirus infection. He provided me the viral material and his advice on virological techniques is gratefully acknowledged.

Dr. Shivakumar and Dr. Rajamohan had been with me through the thick and thin helping me out in every possible way. I appreciate and acknowledge their kindness by way of a special thanks to them.

Nothing could create greater impression than good presentation. In this aspect I am indebted to Mr. T. R. Srikanth who painstakingly went through the manuscript many times over.

I owe a great deal to my technicians Ms. Ghousi and Ms. Cecily who had really taken the pains to go through the arduous task of screening the genomic banks. I am also grateful to all the lab. attenders for their assistance during the period of my project.

Thanks to all the other colleagues of mine who had contributed their share in making this project.

To the University Grants Commission for providing me with the essentials for survival: a fellowship.