ACKNOWLEDGEMENT

I am deeply indebted to Dr. (Miss) N.J. CHINOY, Reader, Department of Zoology, University School of Sciences, Gujarat University, Ahmedabad, for introducing me to this field of male contraception, the invaluable guidance and constant encouragement throughout the tenure of this investigation. Her valuable guidelines and suggestions regarding the future lines of work are also gratefully acknowledged.

I am extremely thankful to Dr. V. C. Shah, Professor and Head, Department of Zoology, for providing necessary facilities to undertake this piece of work. I also wish to extend my thanks to Dr. M.S. Dubale, Reader, Department of Zoology, for his constant encouragement during this investigation.

I thank all staff members and all my research colleagues for all the help rendered towards the completion of this project. I specially thank Miss Mala R. Chinoy, for her readily available help and co-operation at every stage in completion of this thesis.

The generous gifts of cyproterone acetate from Schering A.G., Berlin, as well as prostaglandin E₁ and F₂a from Dr. John R. Pike, Upjohn Company, Kalamazoo, Michigan,
U.S.A., are gratefully acknowledged. The gift of copper wire from Dr. (Miss) K.M. Sheth, All India Institute of Medical Sciences, New Delhi, is also thankfully acknowledged.

I am grateful to Dr. S.K. Chatterjee, Director; Dr. D.J. Parikh, Senior Research Officer and Dr. C.B. Pandya, Assistant Research Officer, National Institute of Occupational Health, Ahmedabad, for offering the necessary help during the time of Atomic Absorption Spectrophotometry. I am also grateful to Dr. P. Neelkantan, Mr. R.S. Chouhan and Mr. P.J. Bose, Ahmedabad Textile Industries Research Association, Ahmedabad, whose whole hearted co-operation made the Scanning Electron Microscopy possible.

Thanks are due to Dr. A.R. Sheth, Dr. U.M. Joshi, Assistant Directors; Institute for Research in Reproduction, Bombay and Dr. Dattatraya Murthy, at present at Cornell Medical School, Cornell, U.S.A., whose timely help and co-operation made the serum Radioimmunocassay analysis possible.

I also wish to thank Dr. O.P. Sethi, Reader, L. M. Pharmacy College, Ahmedabad, whose timely help was made available during the recording of the isolated epididymis.

The award of a Junior Research Fellowship for two years and Senior Research Fellowship from Jan. 1980 to date from Council of Scientific and Industrial Research, New Delhi, during the tenure of which this work was completed, is gratefully acknowledged.