ACKNOWLEDGEMENTS

It gives me immense pleasure to acknowledge my indebtedness and deep sense of gratitude to Dr. (Mrs.) S. Sahai, CWASF, FAEB, FAI, FAZ, Reader, Department of Zoology, Doctor Harisingh Gour Vishwavidyalaya, Sagar (M.P.), for her kind guidance, sympathetic and encouraging attitude throughout the course of this study. Her scholarly suggestions, ready help and gracious demeanour made it possible for me to bring this humble attempt to completion.

My sincere thanks are due to Dr. B.K. Srivastava, Prof. and Head, Department of Zoology, Doctor Harisingh Gour Vishwavidyalaya, Sagar (M.P.) for generous encouragement and for providing all the facilities for carrying out the present research work.

I am highly obliged with Dr. Y.N. Sahai, Reader, Department of Zoology, Doctor Harisingh Gour Vishwavidyalaya, Sagar (M.P.) for constant encouragements, constructive and helpful comments and affectionate interest throughout the progress of the work.

I would like to thank Prof. R.S. Saini, Prof. H.N. Bhargava and Prof. R.K. Shrivastava, former Heads, Department of Zoology, for their valuable suggestions and the facilities rendered during their regime.

I owe special thanks to Prof. K.C. Nair, Principal, S.S.L. Jain College, Vindshah (M.P.), Prof. O.N. Seth, Head, Department of Zoology, S.S.L. Jain College, Dr. R.C. Saxena, Lecturer in Zoology, S.S.L. Jain College, Mr. K.M.R. Nambiar, Lecturer in
Botany, S.S.L. Jain College and Dr. C.K. Asoka Kumar, Reader in Botany, R.C.E., Mysore for their helpful comments and suggestions during the course of my work.

Acknowledgement of indebtedness is also due to the Director, Regional Cancer Centre, Trivandrum, Kerala and Dr(Mrs.) B. Prabha, Associate Professor, Research Division, Regional Cancer Centre, Trivandrum for the permission and help rendered for my photographic work.

I am also thankful to the Librarians of Jawaharlal Nehru Library, Sagar; Central Drug Research Institute, Lucknow; Indian Toxicological Research Centre, Lucknow; National Medical Library, New Delhi; Indian Agricultural Research Institute Library, New Delhi; National Centre for Science Information, Bangalore; Kerala University Library, Trivandrum; Mr. Thomas H. Roush, Environmental Research Laboratory, Duluth, MN and Prof. P.D. Prasad Rao, Head, Department of Zoology, Nagpur University for furnishing me library facilities.

This record of my debts will not be complete without grateful mention to my father, Mr. P.G.K. Nair, mother, Mrs. Vimala G. Nair and my brothers Mr. Satheesh Chandran G. and Praveen Chandran G. who helped me in various ways and contributed towards the successful completion of this work.

Lastly, but certainly not least I wish to express my thanks to my friends and my colleagues in the laboratory for their valuable suggestions and help. The credit of careful and neat typing goes to Mr. R.R. Rajak.

(JAGADEESH CHANDRAN, G.)