

ACKNOWLEDGEMENTS

Though these words are inadequate to express my indebtedness to Dr. P. M. Ambadkar, Professor and Head, Department of Zoology, Faculty of Science, M.S. University of Baroda, it gives me great pleasure to record my deep sense of gratitude towards him for suggesting the problem of research, for extending valuable guidance and for inspiring encouragement during the whole tenure of the present work.

I am sincerely thankful to Dr. P. V. Patel, Reader of this department for encouragement and constructive help in completion of the present work.

I am highly grateful to the Government of India for the award of a Scholarship, under the tenure of which this work has been carried out in India. I am also grateful to Bangladesh Atomic Energy commission for granting me study leave for this purpose.

I am sincerely grateful to Dr. Zainul Abedin Khan, C. S. O., Dr. A.S.M.A. Matin, C. S. O., Mr. A. D. Bhuiya, C. S. O., Dr. Rezaur Rahaman, C. S. O., all from the Institute of Food and Radiation Biology, Bangladesh Atomic Energy Commission, for their valuable encouragement and inspiration which helped me a lot in getting the Scholarship.

I am also sincerely thankful to Mr. Md. Saidul Islam, S. S. O. and Mr. Md. Misbah uddin Ahmed, E. O., I. F. R. B., Bangladesh Atomic Energy Commission, for their help in collecting reprints of published articles relating to my work.

It is my great pleasure to remember my parents, my family members, specially to my elder sister, Mrs. Zohora Khanam and brother-in-law Mr. Monzur Murshed, without their guidance and inspiration it would not have been possible to reach upto this level.

Special thanks are due to my wife, Dr. Roxana Yasmeen for constant encouragement and particularly for a transient sacrifice. She was the main propelling force behind timely completion of this work.

I would also like to thank Dr. S.M.H. Kabir, Professor, Department of Zoology, Dhaka University, from whom I learned to love research.

I am also thankful to Mr. Md. Delawar Hossain Khan and to all other Departmental colleagues at Baroda, India for their help in various aspects during the tenure of this work.

I would also like to thank to all the non-teaching staff members of this Department for their friendly attitude towards me during the last three years.

Finally, I would like to thank Mr. Benjamin Suwartic for typing of the thesis carefully and neatly.