

ACKNOWLEDGEMENT

It is with immense pleasure that the author expresses his deepest appreciation and gratitude to Dr.P.Goswami, M.B.B.S. D.Phil(Gau), Ph.D.(Glasgow), F.C.G.P.; Professor and Head, Department of Biochemistry, Gauhati Medical College, for his constant guidance, valuable counsel and generous disposition while pursuing this project and preparation of this manuscript.

The author is grateful to Dr.H.N.Sarmah, Ph.D., Dean, Faculty of Veterinary Science, Assam Agricultural University, for providing necessary facilities.

The author acknowledge his indebtedness to Dr.M.Rahman, Ph.D., Assistant Professor, Dr.B.C.Sarmah, Assistant Professor of Department of Animal Physiology and Dr. D.Das, Ph.D., Department of Animal Breeding and Genetics for their constant encouragement and all possible help in carrying out the present study.

Grateful thanks are also extended to Dr.B.N.Chakuria, retired Head of the Department, Dr.S.C.Malukdar, Ph.D., Head of the Department and Dr.B.N.Chakraborty, Ph.D. Associate Professor of the department of Physiology for their help and cooperation at various stages of the work.

Thanks are also due to Mrs. Adity Bhuyan, Ph.D.Scholar of Gauhati University, Miss. P.Das and Mrs. D.Devi, Senior Research Fellow of BRNS sponsored project, Department of Atomic Energy, Govt, of India, for their assistance during the work.

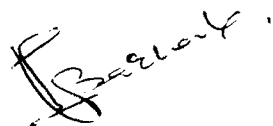
The author wishes to extend his appreciation to Dr. J. Gogwami and Dr. S. Sarmah of the Department of Animal Physiology, Dr. K. K. Baruah of the department of Animal Nutrition and Dr. K. C. Nath of the Department of Gynaecology and Obstetrics and Dr. K. K. Saharia, Deptt. of Extension Education for their cooperation and constant help.

The author also thankfully acknowledged the sincere help and cooperation rendered by Dr. K. Baruah, Dr. A. Kotaki, Dr. P. Chakraborty, Dr. (Miss) Anuva Das and Dr. (Mrs.) Arundhuti Das, M.V.Sc. students of the department of Animal Physiology during the work.

Sincere cooperation rendered by Sri Indra Deka and Sri Binoy Kr. Das are acknowledged with thanks.

The author wishes to put a record of his appreciation to Sri A. Chakraborty for typing the manuscript.

Finally, the author wishes to express his appreciation to his parents for their constant inspiration and encouragement during the course of study.



(R. N. BARUAH)

FINANCIAL ASSISTANCE IN THE
FORM OF SENIOR RESEARCH FELL-
OWSHIP PROVIDED BY COUNCIL OF
SCIENTIFIC AND INDUSTRIAL
RESEARCH (C.S.I.R.) NEW DELHI,
IS GRATEFULLY ACKNOWLEDGED