Acknowledgements

I am extremely fortunate to have, as my guide, Dr.Narsinha K. More, Reader in Entomology, Department of Zoology, of this University. I take great pride and pleasure to acknowledge his valuable help and brotherly advice in selecting the problem. His able guidance, scholarly criticism and inspiring suggestions are noteworthy. His sound knowledge of the subject and skill in the various experimental techniques helped me in successful completion of the work. I owe my total success to him and shall ever remain grateful to him.

It is my prime concern to express my deep sense of gratitude to Dr.A.T.Varute, Professor and Head of the Department of Zoology. His constant encouragement and hearty co-operation enabled me to complete this work.

I would like to record my sincere thanks to the Teaching and hon-teaching staff of this department for their kind co-operation.

I shall ever remain indebt to Prin.Dr.K.R.Sonawane, J.D.M.V.P.College, Jalgaon and Prin.Dr.N.K.Thakare, Jai-Hind College, Dhule, who are the source of constant dynamic inspirations for me. Their generosity and potential interest help me all the way.

I am thankful to Dr.R.H.Kamble, Zoologist, ZSI, WRS

Pune and Dr.P.K.Nikam, Reader in Entomology, Marathwada University, Aurangabad, for their kind help in identification of the specimens.

My grateful thanks also go to my colleagues Prof.V.S. Patil, Dr.P.J.Patil and several friends for helping me in one way or the other during the course of this investigation.

I am thankful to Annasaheeb M.G. Pawar, Chairman and other authorities of J.D.M.V.P. Co-op.Samaj, Jalgaon for their kind permission to allow me to undertake and complete my work.

Thanks are also due to the W.G.C. authorities for the sanction of the teacher fellowship to me under the faculty improvement programme.

I may be failing in my duty, if I do not put on record my deepest gratitude to my wife Sou. Aruna, who tenderly looked after everybody at home to let me pursue the knowledge of the subject.

Last but not least, I would like to express my thanks to Shri S.K.Sutar, Artist attached to this department for his skillful photomicrography and Mr. Kumbhar for his skillful and strenous typing of the dissertation.

Jonawane Y.S.Sonawane

Date : July 23, 1984 .

Department of Zoology, Shivaji University, Kolhapur 416 004, Maharashtra (India)