

## ACKNOWLEDGEMENT

I wish to express my sincere heartfelt gratitude to my guide Dr. Ninad V. Shah; Reader in Zoology, Walchand College of the Arts, and Science, Solapur, for suggesting this new field of plant extract induced alterations in male reproductive tract. He has been instrumental in guiding me throughout the entire period of work. I wish to thank him for many critical, scholarly discussions and constant encouragement.

I wish to thank Dr. A.T. Varute, Professor and Head of the Zoology department, Shivaji University, Kolhapur, for the valuable help rendered to me for the present work.

I am grateful to Principal, D.G.Chavan and Dr. S.D.Pishavikar, Head of Department of zoology, Walchand College of Arts and Science, Solapur, who encouraged me to carry out present investigation providing all sorts of facilities.

I will fail in my duties if do not express my deep felt gratitude towards Late Dr. V.G.Joshi who encouraged me to complete this ~~d~~ dissertation.

My thanks are due to M.V. Joshi former Head of Biology Department and C. H. Save former Principal, Sangmeshwar College, Solapur.

I would like to extend my sincere appreciation to Principal S.V.Khanapure and Dr. R.S. Dhepe, Head of Biology Department, and also my colleague A.R. Mali, S.M. Vibhute, D.S. Dalal, Mrs. R.S Kulkarni, J.S. Yargamblimath, M.B.Patil, R.S. katti, V.G. Sodde and teaching, non-teaching staff of Biology Dept., Sangameshwar College, Solapur; for help rendered in many ways during the tenure of work.

My special thanks go to Dr. V.D.Arabale and R.B. Mithari for their critical suggestions during the entire period of work.

I am grateful to R.A. Navale, S.N. Ambaldhage, D.V. Shah, B.R. Pirgonde who helped me<sup>a</sup> lot to complete this dissertation work.

I also wish to thank Vaidya Prashant Bagewadikar for some informative discussion on the selected plant.

My thanks are also due to teaching and non-teaching staff of the Zoology Department of Walchand College of Arts and Science, Solapur.

My thanks are also go to Shri. Deshpande N.R. for his excellent work of typing.

The excellent presentation of dissertation on Computer is done by R.O. Sudke and H.B. Ajalkar. The excellent work of graphs on computer are done by A.N. Phadkule and P.M. Dargopatil.

I also wish to thank to Dr. Pishvikar who helped me lot in photography and also Dr. P.T. Sawant who helped me throughout the period of dissertation.

Last but not least, it is my privilege to thank my wife Mrs. Awanti for all the hardship she had sustained during this work.

--- B.N. PATNE