

ACKNOWLEDGEMENT

The first and foremost, I must acknowledge Dr. (Mrs.) Meena M. Pillai, Lecturer in Cell Biology, Department of Zoology, Shivaji University, Kolhapur for her scholastic guidance and constructive criticism, right from the selection of the problem till final completion of the work. She has been a constant source of inspiration and she is instrumental in training me as a research worker in Zoology. To her counsel the successful completion of this work is entirely due.

Dr. A.T. Varute, Professor and Head of the University Department of Zoology, Shivaji University, Kolhapur, has always been much enthusiastic about my work. I had an opportunity of being his student during post-graduate studies and I owe my entire knowledge in zoology to him. Words are really inadequate to express my gratitude towards him.

Dr. M.N. Nalawade, Reader in Cell-Biology, is another source of inspiration to me. He has also extended a helping hand whenever I requested for. I express my sincere gratitude towards him.

I should like to thank and express my gratitude towards my friend Mr. D.B. Mandlik, K.G. Chakoo and other non-teaching staff of this Department for their kind help whenever I requested for.

I shall be failing in my duty if I do not thank Mr. Sadanand

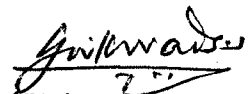
K. Sutar, an artist attached to this Department, for his skilful assistance in the photomicrography. All the artistic beauty of the present thesis is due to him for which I express my sincere gratitude.

I also thank Mr. T.S. Nadar, research scholar, for his assistance in reading the proof of the type-script of the thesis and preparation of the bibliography. The excellent type-script of the present thesis is prepared by Mr. V.G. Chopade, who has spared no pains in completing the type-script of the thesis. I express my deep sense of gratitude towards him.

I am highly obliged to Prin. Shivajirao Bhosale and Shri L.H. Pawar, Head of the Department of Botany, Mudhoji College, Phaltan, for granting me the leave whenever I requested for.

Last but not the least I thank the university authorities, Prin. R.K. Kanabarkar, the Vice-Chancellor of this university for allowing me to work in the Zoology Department and making available all facilities during the course of the present investigation.

Department of Zoology,
Cell-Biology Section,
Shivaji University,
Kolhapur-416 004, INDIA


(Shivaji S. Gaikwad)

Date: 17/5/1983