ACKNOWLEDGEMENTS

It gives me immense pleasure to express my deep sense of gratitude and indebtedness to Dr. S. Govindappa, Department of Zoology, Sri Venkateswara University, Tirupati, for his inspiring guidance and encouragement throughout the progress of this work. I am very much indebted to Prof. K.S. Seshi, Head of Zoology Department, Sri Venkateswara University, Tirupati for his critical comments and encouragement and also for providing facilities in the department. I wish to thank profusely Prof. J.R. Poortmans, University of Bruxelles, Belgium; Prof. M.N.E. Harri, Department of Physiology, University of Kuopio, Finland; Prof. H. J. Hirche, University of Koln, Germany and Prof. J. O. Hollóssy, Department of Preventive Medicine, Washington State University, U.S.A. for their valuable help rendered in the supply of latest articles and literature in the field of exercise and training. My thanks are also due to Sri C. Sreeramulu Chetty, Sri V.B. Hanath, Sri V. Venkata Reddy, Sri S. Krupanidhi, Smt. V. Gajalakshmi, Sri B. Chengal Raju, Sri R. Venkata Ramanaiah, Sri K. Rajendra, Sri G. Vemana Reddy and others for their co-operation and help in the preparation of the thesis. I am also thankful to CSIR, New Delhi, for granting Junior and Senior Fellowships during the tenure of which this work was undertaken.