

## PREFACE

The Zoology department of Yashawantrao Chavan College of Science Karad. India is engaged in extensive work on the effect of pollution on various tissues of economically important aquatic invertebrates and vertebrates. The studies incorporated in the present dissertation form a part of such research work and concern with the effects of two pesticides such as Admire, Larvin on histology and histochemistry of mucosubstances in the liver of *Lepidocephalus thermalis*.

The dissertation is divided into four chapters. The first chapter gives a detailed and critical account on introduction which includes a brief review of the existing literature on histology, histochemistry and histopathology of mucosubstances in liver of different species of fishes. It also includes the reasons that lead to undertake up of the present investigation.

The second chapter describes the material and the techniques employed for the present study. The third chapter includes all the observations, the text of the observation being well supported by tabulated data and microphotographs of histochemical observations. The fourth chapter deals with the discussion in which the results obtained in the present investigation are compared with that of existing literature.

This chapter also consist summary and concluding remarks. The dissertation ends with the bibliography of the references cited in the various chapters.