

## P R E F A C E

In the Zoology Department of S.G.M.College, Karad, research work on histology and histochemistry of mucosubstances in some organ systems, including divestive system, respiratory system, reproductive system, etc., in normal and under-experimental animals is being undertaken since last five years. The studies incorporated in the present Dissertation form a part of such research work and concerns with the histological architecture and histochemical distribution of mucosubstances in the gall bladder of some birds and mammals. The present Dissertation is divided into four Chapters. The First Chapter is on Introduction, which includes a brief review of the existing literature on gall bladder of birds and mammals, reasons that stimulated to undertake the present investigation and also outlines the plan of the present research work. The Second Chapter deals with the material used and the methods employed in the present investigation. Chapters Third and Fourth are devoted to the histological and histochemical observations on gall bladder of birds and mammals, respectively. The observations are supplemented with Tables and photomicgraphs. These also include the discussion. The last Chapter is followed by general discusion and Summary and Concluding Remarks. The dissertation ends with a Bibliography of references cited in the various Chapters.

\* \* \*