

## PREFACE

The Zoology Department of S.G.M. College, Karad, India, is engaged in extensive work on the histopathology and histochemistry of mucosubstances in different organ systems in normal and under experimental animals. The studies incorporated in the present dissertation form a part of such research work and concern with the study of histopathology and study of alterations in the mucopolysaccharides in the human prostate under different pathological conditions. The experimental, histochemical techniques employed, give a reliable information on the changes in these mucins viz., neutral mucins, acidic mucins, and sulfated mucins, due to the pathological disorders in the human prostate. These studies also have significance in the clinical and therapeutic aspects of the human prostate.

The Dissertation is divided into four chapters. The first chapter gives a detailed and critical account of the existing literature on the prostate and outlines the plan of the present work with reasons that led to take up this work. The second chapter describes in detail the material and the techniques employed for the present study. The third chapter describes all the observations in detail, the text of the observations being well supported by tabulated data and photomicrographs of the histochemical observations. The fourth chapter deals with the discussion of the observed facts. The results have been critically discussed in the light of the existing information. This chapter also gives a summary of the entire research work

carried out and some concluding remarks containing some ideas for future work in this line. This Dissertation ends with an extensive Bibliography of the vast literature cited in various chapters.

I assume all the responsibilities for the opinions expressed in the present Dissertation and also for the omissions and commissions, if any, in the body of the Dissertation. I feel and hope that this Dissertation will be interesting, informative and stimulatory.

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