## CONTENTS

<table>
<thead>
<tr>
<th>Acknowledgement</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preface</td>
<td>iii</td>
</tr>
<tr>
<td>Contents</td>
<td>vi</td>
</tr>
</tbody>
</table>

### 1. INTRODUCTION

1.1 Literature Review 6
1.2 Aims and Objectives of the Study 27
1.3 Choice of Experimental Animal 29
1.4 Methodologies Adopted 30

### 2. MATERIALS AND METHODS (GENERAL) 40

### 3. EFFECT OF MITOMYCIN C

3.1 Introduction 65
3.2 Materials and Method 65
3.3 Results 66
3.4 Discussion 67

### 4. EFFECT OF ANTILEPROTIC DRUGS 70

4.1 Effect of Clofazimine 71
   4.1.1 Introduction 71
   4.1.2 Materials and Methods 75
   4.1.3 Results 78
   4.1.4 Discussion 89
4.2 Effect of Dapsone 104
   4.2.1 Introduction 104
   4.2.2 Materials and Methods 108
   4.2.3 Results 109
   4.2.4 Discussion 117
4.3 Comparative Study on the Effect of clofazimine and Dapsone on Mitotic and Meiotic Chromosomes

4.4 Effect of Clofazimine and Dapsone Following Combined Treatment

4.4.1 Introduction

4.4.2 Materials and Methods

4.4.3 Results

4.4.4 Discussion

5. EFFECT OF ANTIFILARIAL DRUG

5.1 Effect of Diethylcarbamazine

5.1.1 Introduction

5.1.2 Materials and Methods

5.1.3 Results

5.1.4 Discussion

6. SUMMARY

REFERENCES