FIGURES:

1. MAP OF ASSAM SHOWING THE LOCATION OF SILCAR AREA.

2. PHENOCLOGICAL INFORMATION OF SOME OF THE DOMINANT &
ALLERGENIC PLANT SPECIES IDENTIFIED FROM GREATER SILCHAR AREA.

3. PERCENTAGE CONTRIBUTION OF DIFFERENT AEROBIOLOGICAL
COMPONENTS OF GREATER SILCHAR AREA.

4. YEARLY DISTRIBUTION OF ALLERGIC POLLEN TYPES OF GREATER
SILCHAR AREA.

5. YEARLY DISTRIBUTION OF ALLERGIC FUNGAL SPECIES IN THE
ATMOSPHERE OF GREATER SILCHAR.

6. COMPARISION OF THE TOTAL POLLEN/FUNGUS RECORDED & IDENTIFIED
FROM THE THREE SELECTED STUDY SITES.

7. INFLUENCE OF METEOROLOGICAL PARAMETERS ON THE DISTRIBUTION OF
AREOBIOCOMPONENTS IN GREATER SILCHAR AREA.

8. FITTED LINE REGRESSION GRAPH OF THE MEAN ATMOSPHERIC
TEMPERATURE AND MEAN ATMOSPHERIC POLLEN COUNT.

9. FITTED LINE REGRESSION GRAPH OF THE MEAN HUMIDITY AND MEAN
ATMOSPHERIC POLLEN COUNT.

10. FITTED LINE REGRESSION GRAPH OF THE MEAN RAINFALL AND WIND
VELOCOTY TEMPERATURE AND MEAN ATMOSPHERIC POLLEN COUNT.

11. FITTED LINE REGRESSION GRAPH OF THE MEAN ATMOSPHERIC
TEMPERATURE AND MEAN ATMOSPHERIC FUNGAL COLONY COUNT.

12. FITTED LINE REGRESSION GRAPH OF THE MEAN HUMIDITY AND MEAN
ATMOSPHERIC FUNGAL COLONY COUNT.

13. FITTED LINE REGRESSION GRAPH OF THE MEAN RAINFALL AND WIND
VELOCOTY TEMPERATURE AND MEAN ATMOSPHERIC FUNGAL COLONY COUNT.

14. FITTED LINE REGRESSION GRAPH OF THE MEAN ATMOSPHERIC
TEMPERATURE AND MEAN ATMOSPHERIC FUNGAL SPORE COUNT.

15. FITTED LINE REGRESSION GRAPH OF THE MEAN HUMIDITY AND MEAN
ATMOSPHERIC FUNGAL SPORE COUNT.

16. FITTED LINE REGRESSION GRAPH OF THE MEAN RAINFALL, WIND
VELOCOTY TEMPERATURE AND MEAN ATMOSPHERIC FUNGAL SPORE COUNT.
17. DOMINANT TYPES OF INDOOR POLLEN, FUNGUS AND HOUSE DUST MITES.

18. DISTRIBUTION OF THE INDOOR & OUTDOOR AERO-BIOCOMPONENT CONCENTRATION AT THE PATIENTS RESIDENCE.

19. ALLERGY MECHANISM

20. SDS-PAGE OF TOTAL SOLUBLE PROTEIN OF DIFFERENT POLLEN EXTRACTS.

21. SDS-PAGE OF TOTAL SOLUBLE PROTEIN OF DIFFERENT FUNGAL EXTRACTS.

22. PLATE ELISA TEST OF THE ANTIGENIC EXTRACTS OF CASSIA ALATA.

23. PLATE ELISA TEST OF THE ANTIGENIC EXTRACTS OF COCOS NUCIFERA.

24. PLATE ELISA TEST OF THE ANTIGENIC EXTRACTS OF ASPERGILLUS HUMICOLA.

25. PLATE ELISA TEST OF THE ANTIGENIC EXTRACTS OF ASPERGILLUS NIDULANS.

26. PLATE ELISA TEST OF THE ANTIGENIC EXTRACTS OF ACACIA AURICULAEFORMIS.

27. PLATE ELISA TEST OF THE ANTIGENIC EXTRACTS OF ASPERGILLUS CLAVATUS.

28. ELISA TEST RESULT OF DIFFERENT ANTIGENS TESTED AGAINST DIFFERENT PATIENTS SERA.

29. IMMUNOGENIC POLYPEPTIDE OF DIFFERENT ALLERGIC POLLENS DETECTED BY WESTERN BLOTTING METHOD.

30. IMMUNOGENIC POLYPEPTIDE BANDS OF DIFFERENT ALLERGIC FUNGAL SPECIES DETECTED BY WESTERN BLOTTING METHOD.

31. IMMUNOGENIC POLYPEPTIDE BANDS DETECTED BY DOT-BLOT METHOD.

32. SDS PROTEIN PROFILE & NO. OF IgE BINDING FRATIONS.

33. SPIROMETRY TEST OF A NORMAL VOLUNTEER.

34. SPIROMETRY TEST OF ALLERGIC PATIENT SHOWING MODERATE AIRWAYS RESTRICTION AND VERY SEVERE OBSTRUCTION.

35. SPIROMETRY TEST OF AN ALLERGIC PATIENTS SHOWING SEVERE AIRWAYS RESTRICTION AND VERY SEVERE OBSTRUCTION.