LIST OF FIGURES

Figures:

2.1. Topography of the Tirupati area with locations of the soil samples.

2.2. Spot samples of a termite mound.

2.3. Spot samples of the surface soil.

2.4. Distribution of termite mounds in Konijedu area, Prakasam District, Andhra Pradesh.

2.5. Distribution of termite mounds on Chandra- giri hill, Chittoor District, Andhra Pradesh.

3.1. Cumulative frequency curves showing the particle size distribution of the sand- sized fractions of termite soils and soils.

3.2. Scatter plot: mean Vs. median.

3.3a. " mean Vs. skewness

3.3b. " mean Vs. kurtosis

3.4a. " sorting Vs. mean.

3.4b. " sorting Vs. median.

3.5a. " mean Vs. kurtosis.

3.5b. " median Vs. skewness.

3.6a. " sorting Vs. skewness.

3.6b. " kurtosis Vs. skewness.

4.1. Distribution of pH of soils and termite soils of the Tirupati area.
4.2. Distribution of specific conductance of soils and termite soils of the Tirupati area.

4.3. Distribution of equivalent sodium of soils and termite soils of the Tirupati area.

4.4. Distribution of equivalent potassium of soils and termite soils of the Tirupati area.

4.5. The frequency distribution of pH of soils and termite soils of the Tirupati area.

4.6. The frequency distribution of specific conductance of soils and termite soils of the Tirupati area.

4.7. The frequency distribution of sodium of soils and termite soils of the Tirupati area.

4.8. The frequency distribution of potassium of soils and termite soils of the Tirupati area.

4.9. The frequency distribution of pH of termite soils and their adjacent soil.

4.10. The frequency distribution of specific conductance of termite soils and their adjacent soils.

4.11. The frequency distribution of sodium of termite soils and their adjacent soils.

4.12. The frequency distribution of potassium of termite soils and their adjacent soils.


4.15. Relation between pH and equivalent potassium.

4.16. Relation between specific conductance and equivalent sodium.

4.17. Relation between specific conductance and equivalent potassium.

4.18. Relation between equivalent sodium and equivalent potassium.


4.20. Relation between specific conductance and organic matter.


4.22. Relation between equivalent potassium and organic matter.

4.23. Variation of pH of profile samples through termite mound and adjoining soil.

4.24 Variation of specific conductance of profile samples through termite mound and adjoining soil.

4.25. Variation of equivalent sodium of profile samples through termite mound and adjoining soil.

4.26. Variation of equivalent potassium of profile samples through termite mound and adjoining soil.
5.1. Magnetic analysis of a sample at
different side slopes of the magnetic
separator.

5.2. Ferromagnetic, paramagnetic, and non-magnetic
components of termite soils and adjoining
soils.

5.3, 5.4, 5.5 and 5.6.
The frequency distributions of the para-
magnetic mineral assemblage of termite
soils, soils, and parent rocks in different geological formations.

5.7, 5.8, 5.9 and 5.10.
The cumulative frequency distribution of
paramagnetic mineral assemblage of termite
soils, soils, and rocks in different geo-
logical formations.

5.11. Scatter diagrams:
   a) median Vs. sorting
   b) median Vs. skewness
   c) sorting Vs. skewness
   d) kurtosis Vs. skewness.

5.12. The cumulative frequency distribution of
paramagnetic mineral assemblage in diffe-
rent size fractions of termite soil.