LIST OF FIGURES

1.1.1. Major sources of air pollution in the study area.

2.2.1. Impact of air pollution on road side trees - Map showing different sectors studied.

2.2.2. Map showing the location of industrial complexes and different observation stations for field survey of selected fruit trees.

2.2.3. Map showing the location of Industrial complexes and different experimental stations for field exposure study.

2.2.4. Wind rose diagram.

3.3.1. Air pollution damage on vegetation - Mangifera indica L.

3.3.2. Air pollution damage on vegetation:
(A) Manilkara hexandra Dubard
(B) Syzygium cumini Skeels.

3.3.3. Air pollution damage on vegetation:
(A) Pithecellobium dulce Bth.
(B) Kirganelia reticulata Bail

3.3.4. Air pollution damage on vegetation:
(A) Zizuphus jujuba Lam.
(B) Eucalyptus species
(C) Diospyros cordifolia Roxb.

3.4.1. Impact of air pollution on road side trees - Leaflessness and density value.

3.5.1 Foliar epidermal study.

3.5.2 Fluorescence study on Mangifera indica L.

3.5.3 Fluorescence study on Manilkara hexandra Dubard.

3.5.4 Fluorescence study on Syzygium cumini Skeels.

3.6.1 Effect of SO_2 fumigation on photosynthetic pigments of Mangifera indica L.

3.6.2 Effect of SO_2 fumigation on foliar ascorbic acid content of Mangifera indica L.

3.6.3 Effect of SO_2 fumigation on:
(A) foliar protein and (B) total free amino-acid content of Mangifera indica L.

3.6.4 Effect of SO_2 fumigation on :
(A) total soluble sugars and (B) sulphur content of Mangifera indica L.

3.7.1 Effect of SO_2 fumigation on photosynthetic pigments of Manilkara hexandra Dubard.

3.7.2 Effect of SO_2 fumigation on foliar ascorbic acid content of Manilkara hexandra Dubard.

3.7.3 Effect of SO_2 fumigation on:
(A) foliar protein and (B) total free aminoacids of Manilkara hexandra Dubard.

3.7.4 Effect of SO_2 fumigation on:
(A) total soluble sugars, and (B) sulphur content of Manilkara hexandra Dubard.

3.8.1 Effect of SO_2 fumigation on photosynthetic pigments of Syzygium cumini Skeels.

3.8.2 Effect of SO_2 fumigation on foliar ascorbic acid content on Syzygium cumini Skeels.

3.8.3 Effect of SO_2 fumigation on: (A) foliar protein, and (B) total free aminoacid content of Syzygium cumini Skeels.

3.8.4 Effect of SO_2 fumigation on: (A) total soluble sugars and (B) sulphur content of Syzygium cumini Skeels.

4.9.1 Impact of air pollution on road side trees - Dalbergia sissoo Roxb.

4.9.2 Impact of air pollution on road side trees - Syzygium cumini Skeels.

4.10.1 Effect of air pollution on fruit trees (tree height, Canopy cover).

4.10.2 Effect of air pollution on fruit trees (Mean leaf area, % leaf area damaged, % leaflessness)

4.10.3 Effect of air pollution on fruit trees (flowering, fruit yield).

4.10.4 Effect of air pollution on fruit trees (chlorophyll a, Chlorophyll b).

4.10.5 Effect of air pollution on fruit trees (Protein content, total soluble sugars, reducing sugars).

4.10.6 Effect of air pollution on fruit trees (sulphur, chloride content).

4.11.1 Field exposure study on Mangifera indica L. (shoot length, number of leaves/plant, total leaf area).

4.11.2 Field exposure study on Mangifera indica L. (Injury index, % of leaves with symptoms).

4.11.3 Field exposure study on Mangifera indica L. (Chlorophyll pigments a, b , total chlorophyll, carotenoids).

4.11.4 Field exposure study on Mangifera indica L. (ascorbic acid, protein, total free aminoacids content).

4.11.5 Field exposure study on Mangifera indica L. (total soluble sugars, sulphur content).

4.12.1 Field exposure study on Manilkara hexandra Dubard. (shoot length, number of leaves/plant)

4.12.2 Field exposure study on Manilkara hexandra Dubard (total leaf area, injury index, number of leaves with symptoms).

4.12.3 Field exposure study on Manilkara hexandra Dubard. (Chlorophyll pigments a, b, total chlorophyll, carotenoids).

4.12.4 Field exposure study on Manilkara hexandra Dubard. (ascorbic acid, protein, total free aminoacid content).

4.12.5 Field exposure study on Manilkara hexandra Dubard. (total soluble sugars, sulphur content).

4.13.1 Field exposure study on Syzygium cumini Skeels (shoot length, number of leaves/plant)

4.13.2 Field exposure study on Syzygium cumini Skeels (Total leaf area, injury index, number of leaves with symptoms).

4.13.3 Field exposure study on Syzygium cumini Skeels (chlorophyll pigments a, b, total chlorophyll, carotenoids)

4.13.4 Field exposure study on Syzygium cumini Skeels (ascorbic acid, protein, total free aminoacids content).

4.13.5 Field exposure study on Syzygium cumini Skeels (total soluble sugars, sulphur content).