LIST OF TABLES

Table 1: Table 3.1: Major land use types in North Gujarat Region
Table 2: Table 3.2: Major forest types in North Gujarat Region
Table 3: Table 4.1: Floristic richness in North Gujarat Region
Table 4: Table 4.1a: Species composition of North Gujarat Region
Table 5: Table 4.2: Dominant families in different forest types of North Gujarat Region
Table 6: Table 4.3: Dominant genera in different forest types of North Gujarat Region
Table 7: Table 5.1: Floristic richness and taxonomical status of Open Scrub Forest of North Gujarat Region
Table 8: Table 5.2: Floristic richness and taxonomical status of Tropical Thorn Forest of North Gujarat Region
Table 9: Table 5.3: Floristic richness and taxonomical status of Dry Deciduous Forest of North Gujarat Region
Table 10: Table 5.4: Floristic richness and taxonomical status of Moist Deciduous Forest of North Gujarat Region
Table 11: Table 5.5: Floristic richness and taxonomical status of the overall forest of North Gujarat Region
Table 12: Table 5.6: Density, diversity and ground cover of Open Scrub Forest of North Gujarat Region
Table 13: Table 5.7: Dominant plant species in Open Scrub Forest of North Gujarat Region
Table 14: Table 5.8: Density, diversity and ground cover of Tropical Thorn Forest of North Gujarat Region
Table 15: Table 5.9: Dominant plant species in Tropical Thorn Forest of North Gujarat Region
Table 16: Table 5.10: Density, diversity and ground cover of Dry Deciduous Forest of North Gujarat Region
Table 17: Table 5.11: Dominant plant species in Dry Deciduous Forest of North Gujarat Region
Table 18: Density, diversity and ground cover of Moist Deciduous Forest of North Gujarat Region
Table 19: Dominant plant species in Moist Deciduous Forest of North Gujarat Region
Table 20: Density, diversity and ground cover in the overall forest of North Gujarat Region
Table 21: Dominant plant species in the North Gujarat Region
Table 22: Abundance of plant species recorded in different forest types of North Gujarat Region
Table 23: Percentage of ground cover (herbs and grasses) in different forest types of North Gujarat Region
Table 24: Species richness estimation within the different forest type of North Gujarat Region
Table 25: Distribution status of plant species in Open Scrub Forest of North Gujarat Region
Table 26: Distribution status of plant species in Tropical Thorn Forest of North Gujarat Region
Table 27: Distribution status of plant species in Dry Deciduous Forest of North Gujarat Region
Table 28: Distribution status of plant species in Moist Deciduous Forest of North Gujarat Region
Table 29: Status of mature trees, regenerations and recruitments in Open Scrub Forest of North Gujarat Region
Table 30: Status of mature trees, regenerations and recruitments in Tropical Thorn Forest of North Gujarat Region
Table 31: Status of mature trees, regenerations and recruitments in Dry Deciduous Forest of North Gujarat Region
Table 32: Status of mature trees, regenerations and recruitments in Moist Deciduous Forest of North Gujarat Region
Table 33: Table 6.5: Status of mature trees, regenerations and recruitments in the overall forest of North Gujarat Region

Table 34: Table 6.6: List of tree species recorded from Open Scrub Forest of North Gujarat Region

Table 35: Table 6.7: List of tree species recorded from Tropical Thorn Forest of North Gujarat Region

Table 36: Table 6.8: List of tree species recorded from Dry Deciduous Forest of North Gujarat Region

Table 37: Table 6.9: List of tree species recorded from Moist Deciduous Forest of North Gujarat Region

Table 38: Table 6.10: List of tree species recorded from North Gujarat Region

Table 39: Table 6.11: Proportion between mature trees, regenerations and recruitments in different forest types of North Gujarat Region

Table 40: Table 8.1: Distribution of threatened plants in different forest of North Gujarat Region

Table 41: Table 8.3: Relative % of threatened plants in different soil type in North Gujarat Region

Table 42: Table 8.4: Status and distribution of threatened plants secondary information

Table 43: Table 8.5: Threats faced by the threatened plants in North Gujarat Region

Table 44: Table 8.6: Threats faced by threatened plants in North Gujarat Region

LIST OF FIGURES

Figure 1: Figure 3.1: Rainfall pattern of study area

Figure 2: Figure 4.1: Spatial distribution of plants species in different forest types in North Gujarat Region

Figure 3: Figure 5.1: Transformation of species composition in North Gujarat Region

Figure 4: Figure 6.1: Regeneration class of different forest types of North Gujarat Region

Figure 5: Figure 7.1: Flushing, leaf fall, flowering and fruiting pattern of woody species in three forest types of North Gujarat Region
Figure 6: Figure 7.2: Leaf flushing in different forest types of North Gujarat Region
Figure 7: Figure 7.3: Leaf fall in different forest types of North Gujarat Region
Figure 8: Figure 7.4: Flowering in different forest types of North Gujarat Region
Figure 9: Figure 7.5: Fruiting in different forest types of North Gujarat Region
Figure 10: Figure 8.1: Threatened plants affected due to habitat degradation by various kinds of threats in North Gujarat Region
Figure 11: Figure 8.2: Threatened plants affected due to habitat loss by various kinds of threats in North Gujarat Region

LIST OF PLATES

Plate 1: Plate 3.1a: Major habitat types in North Gujarat Region
Plate 2: Plate 3.1b: Major habitat types in North Gujarat Region
Plate 3: Plate 3.2: Major forest types in North Gujarat Region
Plate 4: Plate 4.1: Important plant species in Open Scrub Forest of North Gujarat Region
Plate 5: Plate 4.2: Important plant species in Tropical Thorn Forest of North Gujarat Region
Plate 6: Plate 4.3: Important plant species in Dry Deciduous Forest of North Gujarat Region
Plate 7: Plate 4.4: Important plant species in Moist Deciduous Forest of North Gujarat Region
Plate 8: Plate 5.1: Major threats recorded in North Gujarat Region
Plate 9: Plate 8.1: Threatened plants recorded in North Gujarat Region
LIST OF MAPS

Map 1: Map 3.1: Location of study area (NGR)
Map 2: Map 3.2: Forest types of study area (NGR)
Map 3: Map 5.1: Grid selected in the study area (NGR) of sampling
Map 4: Map 8.1: Distribution of threatened plants in study area (NGR)

LIST OF ANNEXURES

Publication 1: Status and distribution of the ‘Rare’ (R) tree species, *Anogeissus sericea* Brandis var. *nummularia* King ex Duthie. in the forest of North Gujarat Region (NGR), Gujarat, India.

Publication 2: Status of mature trees, seedlings and saplings in Tropical Thorn Forest (TTF) of North Gujarat Region (NGR), Gujarat, India.