List of Figures

In Chapter 3:

Figure 1: Map of Assam showing the study districts of Lower Brahmaputra Valley (LBV).

Figure 2: Climatograph presenting the condition of lower Brahmaputra Valley (LBV) for last 20 years (1984-2003) which also include the experimental years (2000-2003).

Figure 3: Composite climatograph presenting the condition of lower Brahmaputra Valley (LBV) for last 20 years (1984-2003) which also include the experimental years (2000-2003).

In Chapter 5:

Figure 4a: Dorsal view of *P. giganteus*.

Figure 4bi: Ventral view of *P. giganteus*

Figure 4bii: Ventral view of *P. giganteus*

In Chapter 6:

Figure 5: Distributional map of roosting sites of *Pteropus giganteus* located in the lower reach of the Brahmaputra Valley (LBV) of Assam.

Figure 6a: Roosting trees: *Bombax ceiba*.

Figure 6b: Roosting trees: *Bambusa* sp.

Figure 6c: Roosting trees: *Anthocepalus cadamba*

Figure 6d: Roosting trees: *Eucalyptus globossus*

Figure 6e: Roosting trees: *Caesalpania inermis*

Figure 6f: Roosting trees: *Samanea saman*
In Chapter 7:

Figure 7: Seasonal feeding population.

Figure 8a: Food resources of *P. giganteus* located in the study area.

Figure 8b: Foraging of *P. giganteus* at dusk.

Figure 8c: *P. giganteus* feeding on the figs of *Ficus glomerata*.

In Chapter 8:

Figure 9a: Courtship behaviour of *P. giganteus*.

Figure 9b: Mating (copulation) of *P. giganteus*.

Figure 9c: Parturition posture of *P. giganteus*.

Figure 9d: Nursing of young ones by the mother.

Figure 9e: New bom *P. giganteus*.

In Chapter 9:

Figure 10: Annual activity profiles of *P. giganteus*.

Figure 11: Seasonal activity profiles.

   a: Activity profile during spring-summer season.

   b: Activity profile during pre-monsoon season.

   c: Activity profile during monsoon season.

   d: Activity profile during retreating monsoon season.

   e: Activity profile during winter season.

Figure 12a: *P. giganteus* at the time of rest in a roosting tree.

Figure 12b: Flying behaviour of *P. giganteus* at day times.

Figure 12c: Defecation posture of *P. giganteus*. 
Figure 12b: Flying behaviour of *P. giganteus* at day times.

Figure 12c: Defecation posture of *P. giganteus*.

**In Chapter 10:**

Figure 13: Population status during study period.

Figure 14: Bat population in different sites in three districts of Assam.

Figure 15: Bat population in different years of study.

Figure 16: Seasonal variation of bat population.

Figure 17a, b: Population group of *P. giganteus* in Kacharighat roosting site of Dhubri district.

**In Chapter 11:**

Figure 18a: Habitat destruction

Figure 18b: Electrocuted *P. giganteus* individual in the feeding ground.

Figure 18c: Feeding habitat destruction

Figure 18d: A special type of arrow and bow ceased by the Forest Department of Dhubri which were often used by the people of the Santhal community to hunt Indian flying foxes at their day roost.

Figure 18e: Display of hunting posture by the night guard of DFO bungalow of Dhubri at the Kacharighat roosting site.