

### LIST OF ILLUSTRATIONS

- Map 1. ... Map of Coastal Areas of Gujarat.  
(Khambhat to Umargam).
- Map 2. ... Generalised Geological map of coastal areas of  
Gujarat. (Khambhat to Umargam).
- Table I ... Analysis of Soil Samples collected within the sandy  
strand habitat (0 - 20 cm depth).
- Table II .. Seasonal variations in salinity gradient of the soil  
samples in different saline areas.
- Table III.. Analysis of soil samples collected within salt pans  
( 0 - 20 cm depth ).
- Table IV .. Analysis of the soil samples collected within  
estuarine zone of the Mahi River.
- Table V ... Temperature (Monthly Mean) at Chokari.
- Graph 1 ... Climatograph of Temperature (Maximum & Minimum)  
showing the monthly mean values for the study period  
(1975 - 1977) at Chokari.
- Table VI .. Temperature (Monthly Mean) at Surat.
- Graph 2 ... Climatograph of Temperature (Maximum & Minimum)  
showing the monthly mean values for the study period  
(1975 - 1977) at Surat.
- Table VII.. Temperature (Monthly Mean) at Valsad.
- Graph 3 ... Climatograph of Temperature (Maximum & Minimum) showing  
the monthly mean values for the study period  
(1975 - 1977) at Valsad.

## LIST OF ILLUSTRATIONS ....2.

- Table VIII ... Average Percentage Relative Humidity at Chokari.
- Graph 4 ... Climatograph of Average (per cent) Relative Humidity at 8.30 hours and 17.30 hours during the study period (1975 - 1977) at Chokari.
- Table IX ... Average Percentage Relative Humidity at Surat.
- Graph 5 ... Climatograph of Average (Per cent) Relative Humidity at 8.30 hours and 17.30 hours during the study period (1975 - 1977) at Surat.
- Table X ... Average Percentage Relative Humidity at Valsad.
- Graph 6 ... Climatograph of Average (per cent) Relative Humidity at 8.30 hours and 17.30 hours during the study period (1975 - 1977) at Valsad.
- Table XI ... Rain fall Pattern at Chokari.
- Graph 7 ... Climatograph of Precipitation (Rain fall) Pattern at Chokari.
- Table XII ... Rain fall Pattern at Surat.
- Graph 8 ... Climatograph of Precipitation (Rain fall) Pattern at Surat.
- Table XIII ... Rain fall Pattern at Valsad.
- Graph 9 ... Climatograph of Precipitation (Rain fall) Pattern at Valsad.
- Table XIV ... Temperature (Monthly Mean), Average Percentage Relative Humidity and Rain fall Pattern at Daman (for the year 1977).
- Graph 10. ... Ombrothermic Diagram for Chokari (1975-77 Mean).
- Graph 11 ... Ombrothermic Diagram for Surat. (1975-77 Mean).
- Graph 12 ... Ombrothermic Diagram for Valsad. (1975-77 Mean).
- Graph 13 ... Ombrothermic Diagram for Daman (1977).

LIST OF ILLUSTRATIONS ...3.

- PLATE No. 1. Ipomoea pes-caprae (L.) R. Br., a pioneer species at some places otherwise common all along the sandy coast.
- PLATE No. 2. Sesuvium portulacastrum L., Suaeda nudiflora Moq. and Aeluropus lagopoides (L.) Trin. ex Thw. in the sandy soil at Dumas.
- PLATE No. 3. Tamarix cricoides Rottl. one of the sub-shrubby component of the middle mixed or bushy zone.
- PLATE No. 4. Prosopis juliflora DC. in flowers and fruits forms gregarious, dense thickets at Hajira.
- PLATE No. 5. Steep banks along the Mahi estuary at Dhuvaran damaged due to heavy flooding by river waters and on slaughter of heavy tidal waves, showing sparse vegetation.
- PLATE No. 6. Suaeda nudiflora Moq. along with Suaeda monoica Forsk. on the muddy coast at Chokeri - Mahi estuary.
- PLATE No. 7. Avicennia alba Blume Community in the background along the inland canal. In the foreground is Suaeda nudiflora and Aeluropus lagopoides (L.) Trin. ex Thw.
- PLATE No. 8. A close-up of Avicennia alba Blume, a dominating mangrove with Pneumatophores.
- PLATE No. 9. Saline non-cultivable but vegetated zone supporting pure strands of Suaeda nudiflora Moq.
- PLATE No. 10. A close view of Suaeda nudiflora Moq.
- PLATE No. 11. A Salvadora persica community at Dahej along with Avicennia alba Blume, Zizyphus nummularia and Aeluropus lagopoides (L.) Trin. ex Thw. associates.

LIST OF ILLUSTRATIONS ...4.

- PLATE No. 12. General view of an elevated plain away from tides and lying behind strand habitat, supporting a scrub.
- PLATE No. 13. A degraded Capparis scrub with Maytenus emarginata (Willd.) Ding Hou and Apluda varia occupying the slopes of the elevated coast at Meh dungri.
- PLATE No. 14. Nymphaea pubescens Willd., Limnophyton obtusifolium (Linn.) Miq. and Scirpus littoralis Shrad. var. subulatus (Vahl) Chiov. at Khambhat.
- PLATE No. 15. Nymphaea pubescens Willd. and Ipomoea aquatica Forsk. association at Tithal.
- PLATE No. 16. A typical marsh community of Typha angustata Bory. & Chaub.
- Table XV. Order of dominance of Families.

\*\*\*\*\*