The present work on the mangrove ecosystem of Western Maharashtra has been carried out for the first time. This includes, the floristic composition, distribution and phytosociological studies of mangroves of Western Maharashtra. Under the phytosociological studies, different types of vegetational studies have been worked out by using different types of Indices. It is the first attempt to record indices for the mangroves of Western Maharashtra which are as follows

1. Dominance
2. Importance Value Index
3. Community Dominance Index
4. Species Diversity Index
5. Similarity Index
6. Complexity Index
7. Continuum Index

In addition to this, stratification and association has been worked out for the first time.
The study in relation to growth correlation, relationship between substratum and proproots/pneumatophores, distribution of propagules, productivity on the basis of stem volume etc. is carried out for the first time with respect to mangrove of Western Maharashtra.
The field and laboratory studies attempted in the present investigation with respect to Mangrove Ecosystems of Western Maharashtra, have not been tried before. The investigation on the phytosociological studies of mangroves of Western Maharashtra is entirely new aspect. The results are discussed with the help of the books, journals, monographs and other materials from time to time. All the references used are cited in 'References' at the end. An attempt has been made to keep the reference work upto date as far as possible.

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Guide

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